

LANDWIN

LANDWIN ELECTRONIC CORP.

Connector Catalog

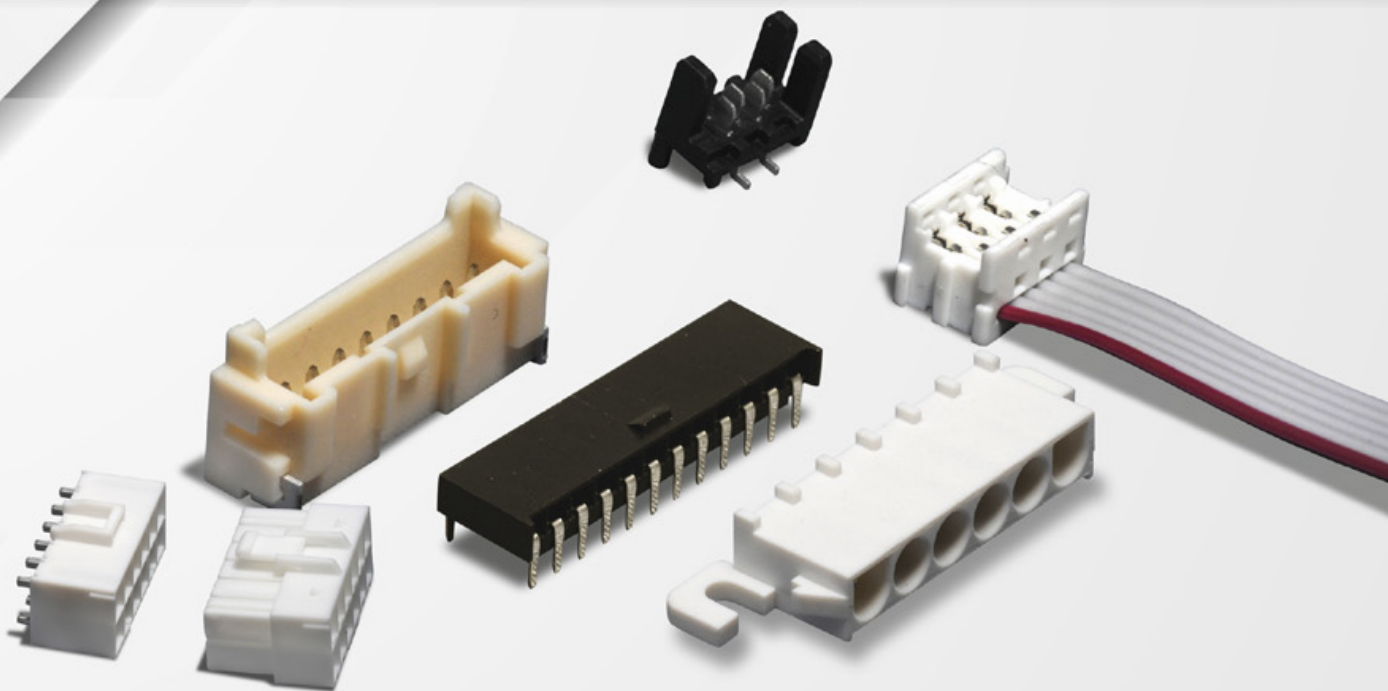


TABLE OF CONTENT



RoHS REACH LF HFA

Product Image	Section	Title	Product Models
	A	0.50 mm Mini-Pitch connectors Board-to-Board 1.00 to 1.50 mm Pitch Connector Wire-to-Board 1.50 mm Pitch connectors Board-In	1010 1250 1500 1508 10051 10055
	B	2.00 mm Pitch connectors Wire-to-Board Wire-to-Wire Board-to-Board Board-in	2001 ~ 2008 2020 1 2070 7330 ~ 7335 7337 7338 7342 ~ 7343
	C	2.50 mm pitch connectors 2.54 mm pitch connectors Wire-to-Board Wire-to-Wire Board-to-Board 2.50 mm Pitch Board-in connectors 2.54 mm Pitch Battery connectors	2500 1 2580 2600 ~ 2670 6200 7302 ~ 7307 7308 ~ 7318 65002
	D	3.00 mm pitch connectors Wire-to-Board Wire-to-Wire 3.00 mm Pitch Battery connectors	3000 65003
	E	3.68 mm Pitch connectors 3.96 mm Pitch connectors 4.2 mm Pitch connectors Wire-to-Board Wire-to-Wire 3.96 mm Pitch connectors Board-In	3680 3060 3161 3360 3940 3960 3968 4200
	F	4.5 mm Pitch Connector Wire-to-Wire 6.2 and 6.35 mm Pitch Connector Wire-to-Wire Wire-to-Board	4500 4510 6350 66773 66774 66775

TABLE OF CONTENT



RoHS REACH LF HFA

Product Image	Section	Title	Product Models
	G	5.00 mm to 10.0 mm Pitch Wire-to-Board Power Connectors	1085 5000 5080 5200 7500
	J	Automotive Connectors HID Wire to Board Appliance AC outlet USB DC outlet	42601 6001 6501 - 6510 66025 - 66028 66201 - 66282 66501 - 66511 66709 - 66779 73032 - 73090
	K	Quick-Disconnect Connectors RAST 2.5 Connectors RAST 5 Connectors White Good Application	2630 66101 66102 66103 66105 66601
	P	Quick-Disconnect Terminals Chain Terminals Board-in Terminals Terminal Lug	3101 - 3405 4030 5050 5150 5250 5350 - 5360 66101 66601

■ 1.00mm to 1.50mm MINI-PITCH CONNECTOR	
Title	Section
10050 Series (0.50 mm Pitch)	A
10055 Series (0.50 mm Pitch)	A
1000 Series (1.00 mm Pitch)	A
1010 Series (1.00 mm Pitch)	A
1250 Series (1.25 mm Pitch)	A
1500 Series (1.50 mm Pitch)	A
1508 Series (1.50 mm Pitch)	A

■ 2.00mm PITCH CONNECTOR	
Title	Section
2001 Series (2.00 mm Pitch)	B
2020 Series (2.00 mm Pitch)	B
2030 Series (2.00 mm Pitch)	B
2050 Series (2.00 mm Pitch)	B
2060 Series (2.00 mm Pitch)	B
2070 Series (2.00 mm Pitch)	B
2008 Series (2.00 mm Pitch)	B

■ 2.50mm PITCH CONNECTOR	
Title	Section
2500 Series (2.50 mm Pitch)	C
2508 Series (2.50 mm Pitch)	C
2510 Series (2.50 mm Pitch)	C
2520 Series (2.50 mm Pitch)	C
2530 Series (2.50 mm Pitch)	C
2550 Series (2.50 mm Pitch)	C
2600 Series (2.50 mm Pitch)	C
2620 Series (2.50 mm Pitch)	C
2640 Series (2.50 mm Pitch)	C
2650 Series (2.50 mm Pitch)	C
6200 Series (2.50 mm Pitch)	C

■ 2.54mm PITCH CONNECTOR	
Title	Section
2510 Series (2.54 mm Pitch)	C
2540 Series (2.54 mm Pitch)	C
2560 Series (2.54 mm Pitch)	C
2570 Series (2.54 mm Pitch)	C
2580 Series (2.54 mm Pitch)	C
2630 Series (2.54 mm Pitch)	C
65002 Series (2.54 mm Pitch)	C

■ 3.00mm, 3.5mm, 4.0mm PITCH CONNECTOR	
Title	Section
3000 Series (3.00 mm Pitch)	D
65003 Series (3.00 mm Pitch)	D

■ 3.68mm to 4.2mm PITCH CONNECTOR	
Title	Section
3680 Series (3.68 mm Pitch)	E
3060 Series (3.96 mm Pitch)	E
3940 Series (3.96 mm Pitch)	E
3960 Series (3.96 mm Pitch)	E
3968 Series (3.96 mm Pitch)	E
4200 Series (4.20mm Pitch)	E

■ 4.5mm to 6.35mm PITCH CONNECTOR	
Title	Section
4500 Series (4.50 mm Pitch)	F
4510 Series (4.50 mm Pitch)	F
66773 Series (6.20 mm Pitch)	F
66774 Series (6.20 mm Pitch)	F
66775 Series (6.20 mm Pitch)	F
6350 Series (6.35 mm Pitch)	F

■ POWER CONNECTOR	
Title	Section
5000 Series (5.00 mm Pitch)	G
5080 Series (5.08 mm Pitch)	G
5200 Series (5.08 mm Pitch)	G
7500 Series (7.50 - 5.00 mm Pitch)	G
1085 Series (8.00 mm Pitch)	G

■ RIBBON CABLE / PIN HEADER / FEMALE HEADER	
Title	Section
733X Series (2.00 mm Pitch)	B
7338 Series (2.00 mm Pitch)	B
7342 Series (2.00 mm Pitch)	B
2670 Series (2.54 mm Pitch)	C
7302 Series (2.54 mm Pitch)	C
7305 Series (2.54 mm Pitch)	C
7306 Series (2.54 mm Pitch)	C
7307 Series (2.54 mm Pitch)	C
731X Series (2.54 mm Pitch)	C
7317 Series (2.54 mm Pitch)	C
7318 Series (2.54 mm Pitch)	C

■ AUTOMOTIVE CONNECTOR	
Title	Section
42601 Series (Header)	J
6001 Series (FUSE)	J
6501 Series (6.0, 2.54 - 5.08 mm Pitch)	J
6504 Series (3.5, 2.54 - 5.08 mm Pitch)	J
6505 Series (6.0, 2.54 - 5.08 mm Pitch)	J
6506 Series (3.0, 3.96, 2.54 - 5.08 mm Pitch)	J
6508 Series (2.5 x 2.54 mm Pitch)	J
6510 Series (2.54 - 5.08 mm Pitch)	J
66025 Series (2.54 x 3.0 mm Pitch)	J
66028 Series (2.54 mm Pitch)	J
66106 Series (250 TAB)	J
66201 Series (5.0 mm Pitch)	J
66202 Series (5.0 mm Pitch)	J
66221 Series (5.0 - 5.6 mm Pitch)	J
66282 Series (2.54 - 5.08 mm Pitch)	J
66501 Series (6.0 mm Pitch)	J
66502 Series (6.0 mm Pitch)	J
66511 Series (3.5 mm Pitch)	J
66709 Series (H7)	J
66779 Series (6.0 x 6.0 mm Pitch)	J
66981 Series (FUSE)	J
730XX Series (Header)	J
Appliance AC outlet Series (International Regulation)	J

■ QUICK-DISCONNECT / WHITE GOOD CONNECTOR	
Title	Section
2630 Series (2.5 mm Pitch)	K
66601 Series (187 TAB)	K
66103 Series (250 TAB)	K
66101 Series (5.0 mm Pitch, 250 TAB)	K
66102 Series (5.0 mm Pitch, 250 TAB)	K
66105 Series (8.9 mm Pitch, 250 TAB)	K

■ CHAIN TERMINAL	
Title	Section
110 TAB QUICK TERMINAL for PCB	P
187 TAB QUICK TERMINAL for PCB	P
250 TAB QUICK TERMINAL for PCB	P
FUSE CLIP	P
BOARD-IN TERMINAL	P
RING TONGUE TERMINAL	P
BULLET TERMINAL	P

■ WIRE-TO-BOARD CONNECTOR

Title	Section
1000 Series (1.00 mm Pitch)	A
1010 Series (1.00 mm Pitch)	A
1250 Series (1.25 mm Pitch)	A
1500 Series (1.50 mm Pitch)	A
2001 Series (2.00 mm Pitch)	B
2020 Series (2.00 mm Pitch)	B
2050 Series (2.00 mm Pitch)	B
2060 Series (2.00 mm Pitch)	B
2070 Series (2.00 mm Pitch)	B
2500 Series (2.50 mm Pitch)	C
2510 Series (2.50 mm Pitch)	C
2520 Series (2.50 mm Pitch)	C
2530 Series (2.50 mm Pitch)	C
2600 Series (2.50 mm Pitch)	C
2620 Series (2.50 mm Pitch)	C
2640 Series (2.50 mm Pitch)	C
2650 Series (2.50 mm Pitch)	C
6200 Series (2.50 mm Pitch)	C
2510 Series (2.54 mm Pitch)	C
2540 Series (2.54 mm Pitch)	C
2560 Series (2.54 mm Pitch)	C
2570 Series (2.54 mm Pitch)	C
2580 Series (2.54 mm Pitch)	C
2630 Series (2.54 mm Pitch)	C
65002 Series (2.54 mm Pitch)	C
3000 Series (3.00 mm Pitch)	D
65003 Series (3.00 mm Pitch)	D
3680 Series (3.68 mm Pitch)	E
3060 Series (3.96 mm Pitch)	E
3940 Series (3.96 mm Pitch)	E
3960 Series (3.96 mm Pitch)	E
3968 Series (3.96 mm Pitch)	E
4200 Series (4.20mm Pitch)	E
66775 Series (6.20 mm Pitch)	F
6350 Series (6.35 mm Pitch)	F
5000 Series (5.00 mm Pitch)	G
5080 Series (5.08 mm Pitch)	G
5200 Series (5.08 mm Pitch)	G
7500 Series (7.50 - 5.00 mm Pitch)	G
1085 Series (8.00 mm Pitch)	G

■ WIRE-TO-WIRE CONNECTOR

Title	Section
2050 Series (2.00 mm Pitch)	B
2550 Series (2.50 mm Pitch)	C
2640 Series (2.50 mm Pitch)	C
2570 Series (2.54 mm Pitch)	C
2580 Series (2.54 mm Pitch)	C
2630 Series (2.54 mm Pitch)	C
3000 Series (3.00 mm Pitch)	D
3680 Series (3.68 mm Pitch)	D
3940 Series (3.96 mm Pitch)	E
4200 Series (4.20mm Pitch)	E
4500 Series (4.50 mm Pitch)	F
4510 Series (4.50 mm Pitch)	F
5200 Series (5.08 mm Pitch)	G
66773 Series (6.20 mm Pitch)	F
66774 Series (6.20 mm Pitch)	F
6350 Series (6.35 mm Pitch)	F

■ BOARD-IN CONNECTOR

Title	Section
1508 Series (1.50 mm Pitch)	A
2008 Series (2.00 mm Pitch)	B
2508 Series (2.50 mm Pitch)	C
3968 Series (3.96 mm Pitch)	E

■ BOARD-TO-BOARD CONNECTOR

Title	Section
10050 Series (0.50 mm Pitch)	A
10055 Series (0.50 mm Pitch)	A
2030 Series (2.00 mm Pitch)	B
2500 Series (2.50 mm Pitch)	C

■ RIBBON CABLE / PIN HEADER / FEMALE HEADER

Title	Section
733X Series (2.00 mm Pitch)	B
7338 Series (2.00 mm Pitch)	B
7342 Series (2.00 mm Pitch)	B
2670 Series (2.54 mm Pitch)	C
7302 Series (2.54 mm Pitch)	C
7305 Series (2.54 mm Pitch)	C
7306 Series (2.54 mm Pitch)	C
7307 Series (2.54 mm Pitch)	C
731X Series (2.54 mm Pitch)	C
7317 Series (2.54 mm Pitch)	C
7318 Series (2.54 mm Pitch)	C

■ AUTOMOTIVE CONNECTOR

Title	Section
42601 Series (Header)	J
6001 Series (FUSE)	J
6501 Series (6.0, 2.54 - 5.08 mm Pitch)	J
6504 Series (3.5, 2.54 - 5.08 mm Pitch)	J
6505 Series (6.0, 2.54 - 5.08 mm Pitch)	J
6506 Series (3.5, 2.54 - 5.08 mm Pitch)	J
6508 Series (2.5 x 2.54 mm Pitch)	J
6510 Series (2.54 - 5.08 mm Pitch)	J
66025 Series (2.54 x 3.0 mm Pitch)	J
66028 Series (2.54 mm Pitch)	J
66106 Series (250 TAB)	J
66201 Series (5.0 mm Pitch)	J
66202 Series (5.0 mm Pitch)	J
66221 Series (5.0 - 5.6 mm Pitch)	J
66282 Series (2.54 - 5.08 mm Pitch)	J
66501 Series (6.0 mm Pitch)	J
66502 Series (6.0 mm Pitch)	J
66511 Series (3.5 mm Pitch)	J
66709 Series (H7)	J
66779 Series (6.0 x 6.0 mm Pitch)	J
66981 Series (FUSE)	J
730XX Series (Header)	J
Appliance AC outlet Series (International Regulation)	J

■ QUICK-DISCONNECT / WHITE GOOD CONNECTOR

Title	Section
2630 Series (2.5 mm Pitch)	K
66601 Series (187 TAB)	K
66103 Series (250 TAB)	K
66101 Series (5.0 mm Pitch, 250 TAB)	K
66102 Series (5.0 mm Pitch, 250 TAB)	K
66105 Series (8.9 mm Pitch, 250 TAB)	K

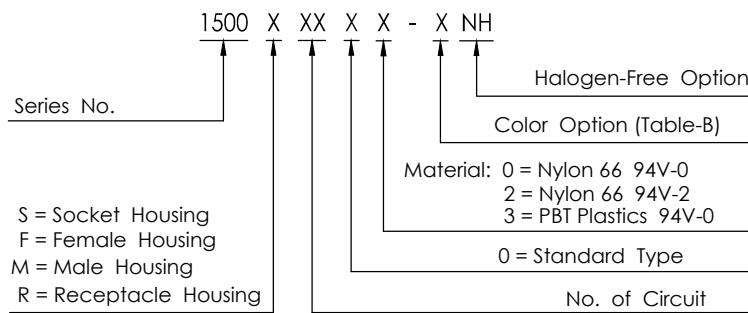
■ CHAIN TERMINAL

Title	Section
110 TAB QUICK TERMINAL for PCB	P
187 TAB QUICK TERMINAL for PCB	P
250 TAB QUICK TERMINAL for PCB	P
FUSE CLIP	P
BOARD-IN TERMINAL	P
RING TONGUE TERMINAL	P
BULLET TERMINAL	P

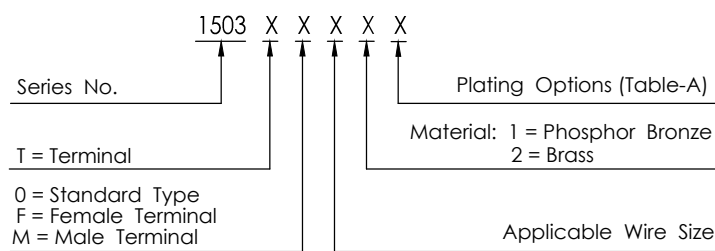
ORDERING INFORMATION



Housing Series :



Terminal Series :



Header Series :

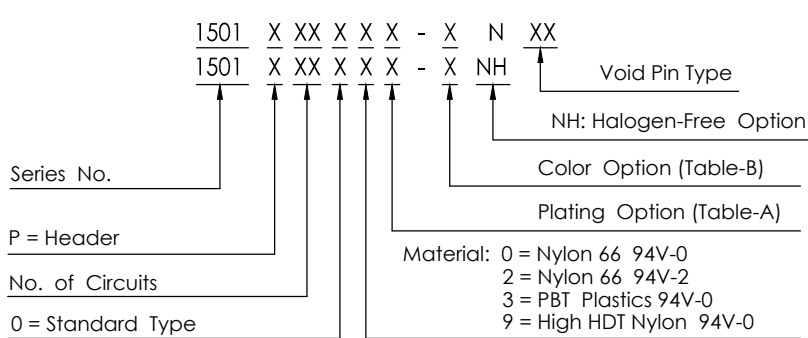


Table-A : Plating Selection

Classify	Finish	Classify	Finish
1	Gold Flash Plated	A	Select Gold Flash
2	Gold 3µm Plated	B	Select Gold 3µm
3	Gold 5µm Plated	C	Select Gold 5µm
4	Gold 10µm Plated	D	Select Gold 10µm
5	Gold 15µm Plated	E	Select Gold 15µm
6	Gold 20µm Plated	F	Select Gold 20µm
7	Gold 25µm Plated	G	Select Gold 25µm
8	Gold 30µm Plated	H	Select Gold 30µm
T	Post Tin-Plated (Sn-Ni)	-----	Header
R	Pre Tin-Plated (Sn-Cu)	-----	Terminal
N	Post Tin-Plated (Sn-Ni)	-----	Terminal
V	Matte Tin-Plated		
Z	Un-Plated		

Table-B : Color Selection

Coding of color (顏色代號)		
H=GRAY 灰色	B=BLACK 黑色	I=BRICK RED 磚紅
C=COCONUT BROWN	K=PURPLE 紫	D=ORANGE 橘色
L=LEMON YELLOW	E=BLUE 藍色	M=GREEN 綠
V=LAVENDER 淡紫色	P=PINK 粉紅	W=BROWN 棕色
R=RED 紅	Y=YELLOW 黃色	

Definition of Product Category Symbol :



NOTES:

1. Dimension: All dimension is measured by mm.
2. RoHS Compliance is applied for all product listed in this catalog.
3. The temperature range in each product specification is defined to include the max. defined temperature rise under full load condition.
4. In line with a policy of continual development, Landwin reserves the right to change the specifications of the goods described in this catalog at any time and without prior notice.
5. The drawings and specifications in this catalog is just for reference. Please do not fail to get the original and the latest drawings and product specifications before use. Contact Landwin for details.

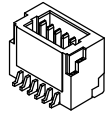
Mini Pitch SERIES



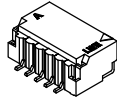
1.0 to 1.5 mm Pitch Connectors - Application Overview

RoHS REACH LF HFA

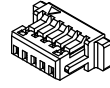
1.00 mm Pitch / Wire-to-Board



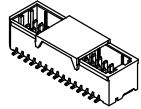
1011P (SMT)



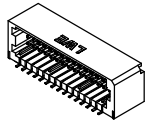
1012P (SMT)



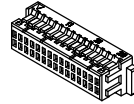
1010S



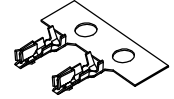
1011P Type-D (SMT)



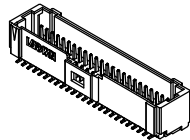
1012P Type-D (SMT)



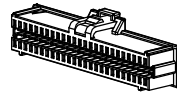
1010S Type-D



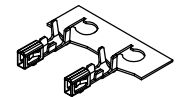
1013T



1011P Type-B (SMT)

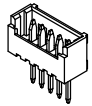


1010S Type-B

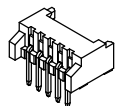


1013T3

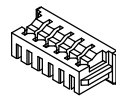
1.25 mm Pitch / Wire-to-Board



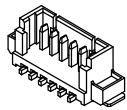
1251P (DIP)



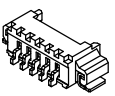
1252P (DIP)



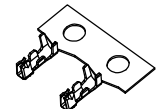
1250S



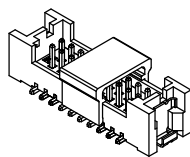
1251P (SMT)



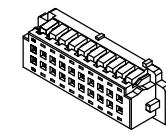
1252P (SMT)



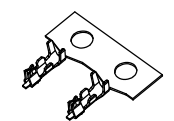
1253T



1251P Type-D (SMT)



1250S Type-D



1253T Type-D

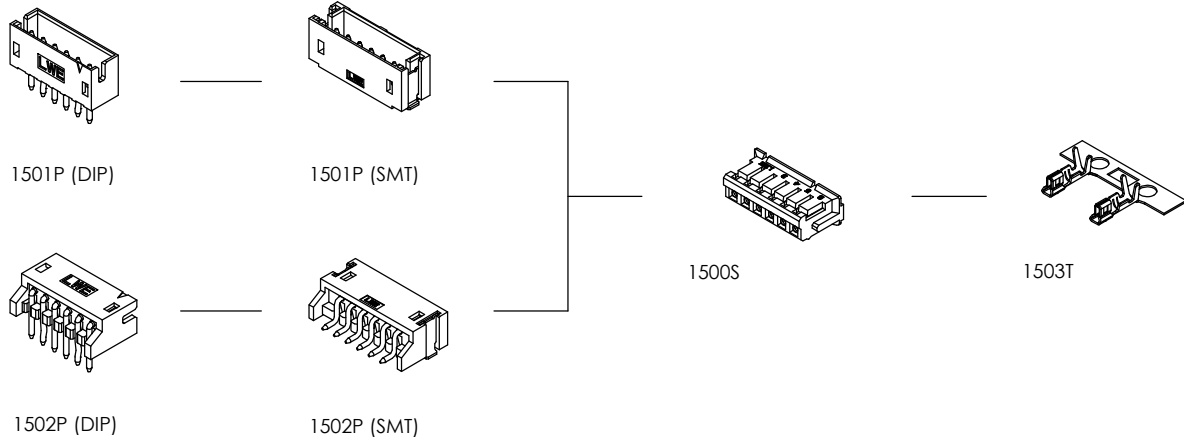
Mini Pitch SERIES



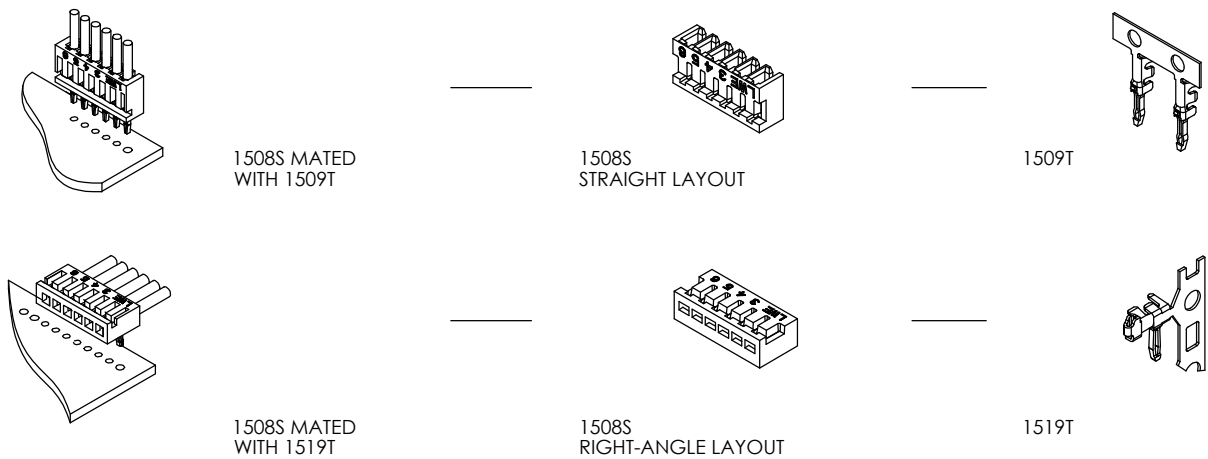
1.0 to 1.5 mm Pitch Connectors - Application Overview

RoHS REACH LF HFA

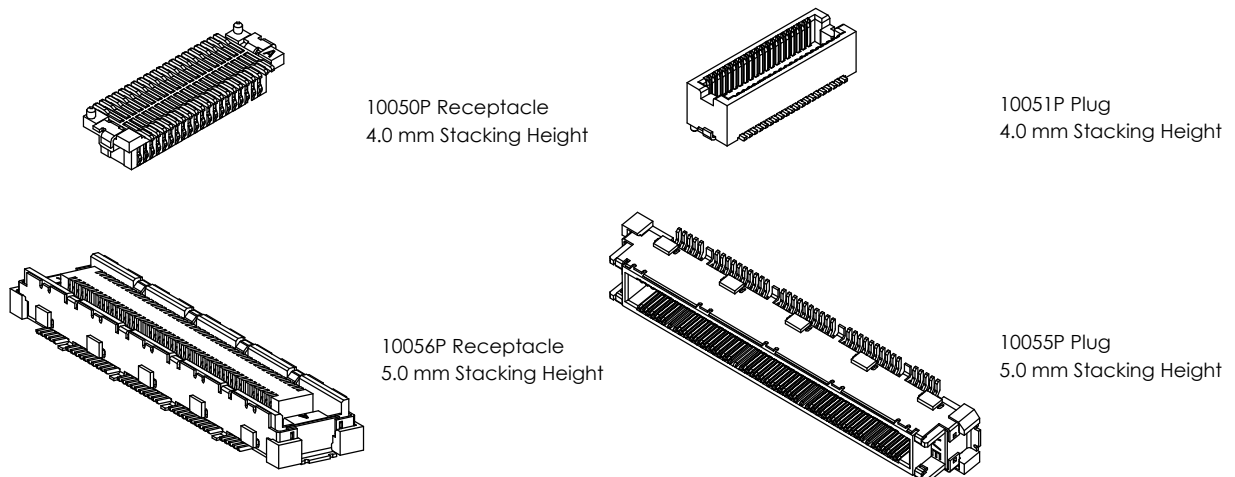
1.50 mm Pitch / Wire-to-Board



1.50 Pitch / Board-in



0.50 mm Pitch / Board-to-Board



Mini Pitch 1000 SERIES CONNECTOR



1.0 mm Pitch Wire-to-Board Connector

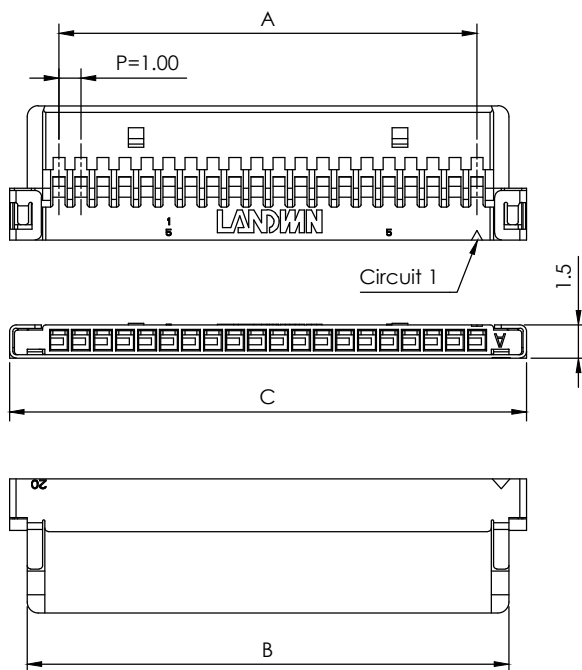


Specifications

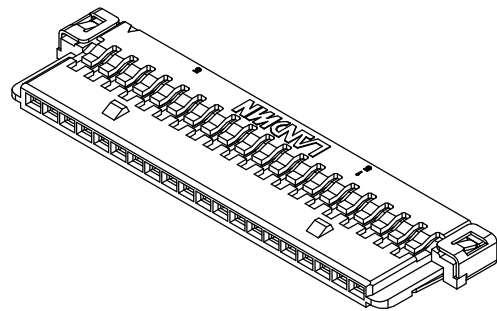
- ◇ Current rating: 1A AC/DC Max.
- ◇ Voltage Range: 100V AC,DC
- ◇ Withstand Voltage: 300V AC/Minute
- ◇ Contact Resistance: 30 mΩ Max. before environment test
- ◇ Insulation Resistance: 500 MΩ Min.
- ◇ Temperature Range: -40° C to 85° C

Reference

- ◇ Mates with Hirose DF19 series Header
- ◇ Use with 1003T series Crimp Terminal
- ◇ Certifications: refer to 1000S series
- ◇ Applicable wire gauge: AWG 28 - 30



1000S Single-Row Plug Housing



Ordering Information

Circuits	Part No.	Dimension		
		A	B	C
20	1000S2001	19.0	21.9	23.5

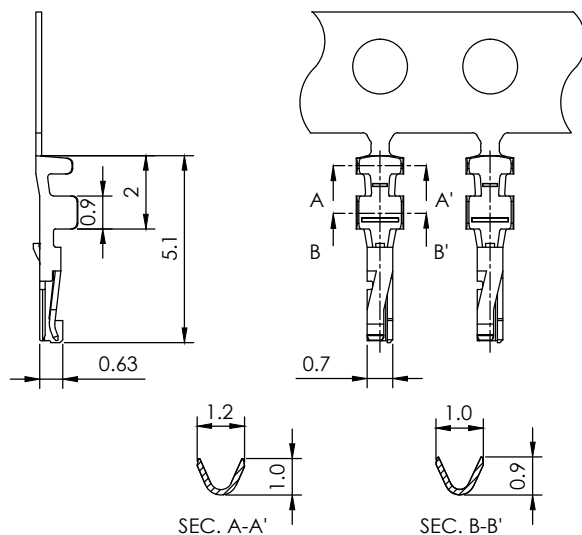
Material

Part	Material / Finish
Housing	Glass-filled Nylon 66 94V-0, Light ivory color

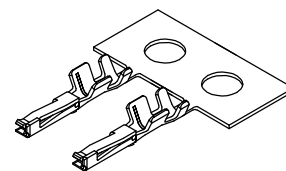
- ※ Color Identification: the following alphabet shall be put, ex. 1000S 20 01- B
20... Circuit no.
B... Black, H... Gray, M... Green, E... Blue, W... Brown
- ※ Contact sales for available P/N up to date.

Reference

- ◇ Use with 1000S series Plug Housing



1003T Crimp Terminal



Ordering Information

Part No.	Applicable Wire		Q'ty / Reel
	AWG #	Insulation O.D. mm	
1003T011R	28 - 30	0.6 Max.	30,000

Material

Part No.	Material / Finish
1003T011R	Phosphor Bronze Tin-Plated

Mini Pitch 1010 SERIES CONNECTOR



1.0 mm Pitch Wire-to-Board Connector

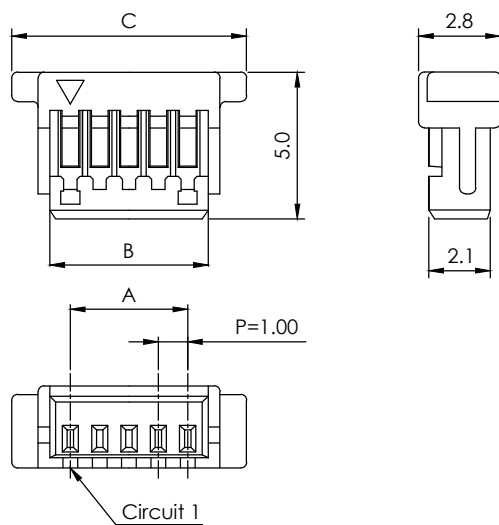


Specifications

- ◇ Current rating: 1A AC/DC Max.
- ◇ Voltage Range: 50V AC,DC
- ◇ Withstand Voltage: 500V AC/Minute
- ◇ Contact Resistance: 20 mΩ Max. before environment test
- ◇ Insulation Resistance: 100 MΩ Min.
- ◇ Temperature Range: -40° C to 85° C

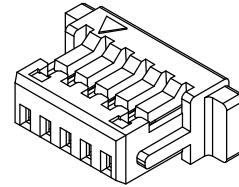
Reference

- ◇ Mates with 1011P, 1012P series Single-Row Header
- ◇ Use with 1013T series Crimp Terminal
- ◇ Certifications: UL
- ◇ Applicable wire gauge: AWG 28 - 32



※ Color Identification: the following alphabet shall be put,
 ex. 1010S 20 03- B
 20... Circuit no.
 B... Black, H... Gray, M... Green, E... Blue, W... Brown, R... Red

1010S Single-Row Plug Housing



Ordering Information

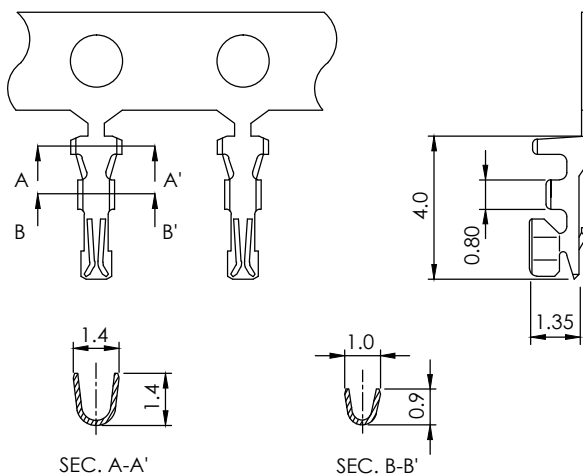
Circuits	Part No.	Dimension		
		A	B	C
2	1010S0203	1.0	2.4	5.0
3	1010S0303	2.0	3.4	6.0
4	1010S0403	3.0	4.4	7.0
5	1010S0503	4.0	5.4	8.0
6	1010S0603	5.0	6.4	9.0
7	1010S0703	6.0	7.4	10.0
8	1010S0803	7.0	8.4	11.0
9	1010S0903	8.0	9.4	12.0
10	1010S1003	9.0	10.4	13.0
11	1010S1103	10.0	11.4	14.0
12	1010S1203	11.0	12.4	15.0
13	1010S1303	12.0	13.4	16.0
14	1010S1403	13.0	14.4	17.0
15	1010S1503	14.0	15.4	18.0
16	1010S1603	15.0	16.4	19.0
17	1010S1703	16.0	17.4	20.0
18	1010S1803	17.0	18.4	21.0
19	1010S1903	18.0	19.4	22.0
20	1010S2003	19.0	20.4	23.0

Material

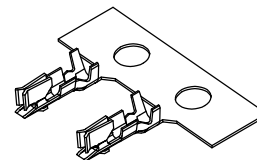
Part	Material / Finish
Housing	Glass-filled PBT 94V-0, white (natural)

Reference

- ◇ Use with 1010S series Plug Housing



1013T Crimp Terminal



Ordering Information

Part No.	Applicable Wire		Q'ty / Reel
	AWG #	Insulation O.D. mm	
1013T011R	28 - 32	0.8 Max.	15,000

Material

Part No.	Material / Finish
1013T011R	Phosphor Bronze Tin-Plated

Mini Pitch 1010 SERIES CONNECTOR



1.0 mm Pitch Wire-to-Board Connector

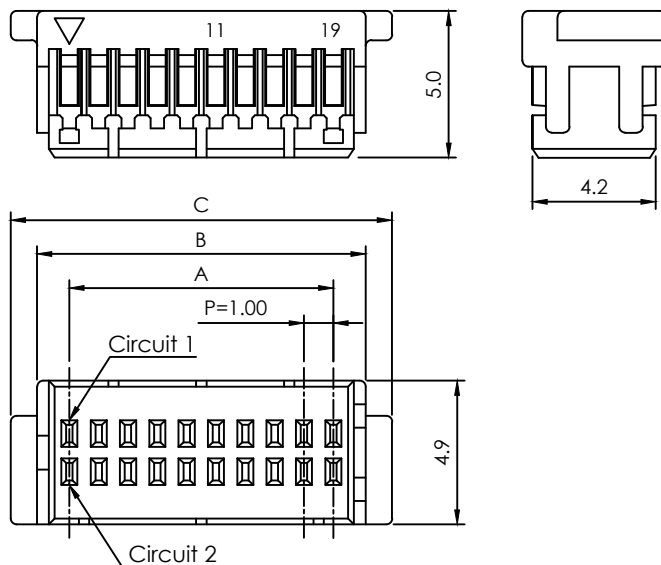


Specifications

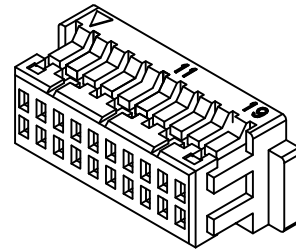
- ◇ Current rating: 1A AC/DC Max.
- ◇ Voltage Range: 50V AC,DC
- ◇ Withstand Voltage: 500V AC/Minute
- ◇ Contact Resistance: 20 mΩ Max. before environment test
- ◇ Insulation Resistance: 100 MΩ Min.
- ◇ Temperature Range: -40° C to 85° C

Reference

- ◇ Mates with 1011P, 1012P series Dual-Row Header
- ◇ Use with 1013T series Crimp Terminal
- ◇ Certifications: UL
- ◇ Applicable wire gauge: AWG 28 - 32



1010S Dual-Row Plug Housing



Ordering Information

Circuits	Part No.	Dimension		
		A	B	C
10	1010S10D3	4.0	6.2	8.0
20	1010S20D3	9.0	11.2	13.0
30	1010S30D3	14.0	16.2	18.0
40	1010S40D3	19.0	21.2	23.0
50	1010S50D3	24.0	26.2	28.0

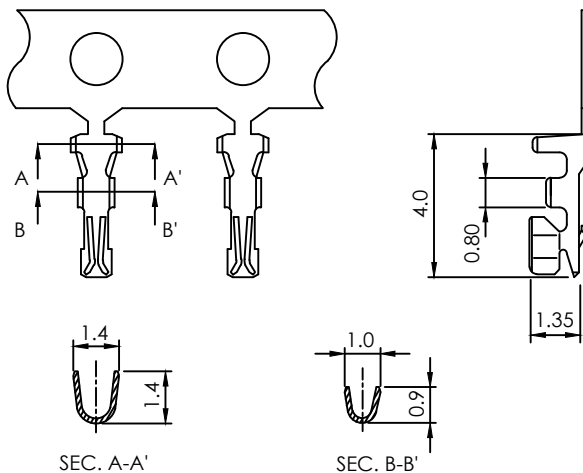
Material

Part	Material / Finish
Housing	Glass-filled PBT 94V-0, white (natural)

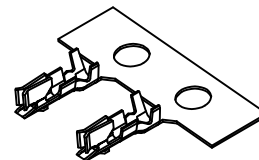
※ Color Identification: the following alphabet shall be put,
 ex. 1010S 20 D3- B
 20... Circuit no.
 B... Black, H... Gray, M... Green, E... Blue, W... Brown

Reference

- ◇ Use with 1010S series Plug Housing



1013T Crimp Terminal



Ordering Information

Part No.	Applicable Wire		Q'ty / Reel
	AWG #	Insulation O.D. mm	
1013T011R	28 - 32	0.8 Max.	15,000

Material

Part No.	Material / Finish
1013T011R	Phosphor bronze Tin-plated

Mini Pitch 1010 SERIES CONNECTOR



1.0 mm Pitch Wire-to-Board Connector



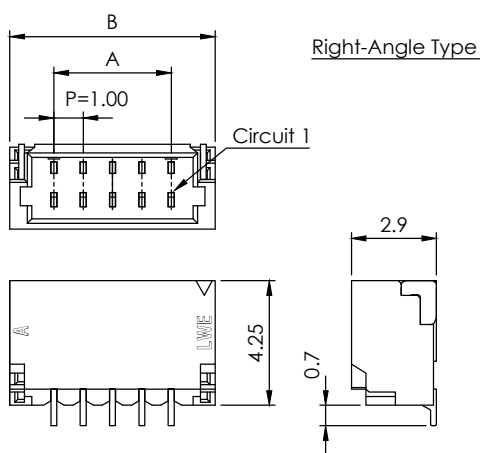
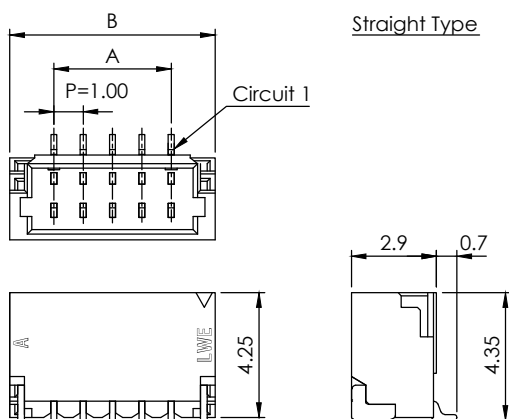
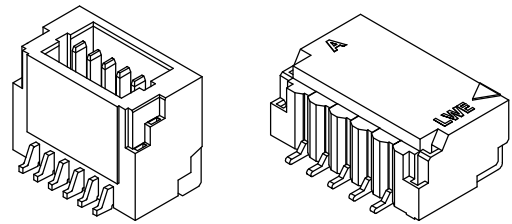
Specifications

- ◇ Current rating: 1A AC/DC Max.
- ◇ Voltage Range: 50V AC,DC
- ◇ Withstand Voltage: 500V AC/Minute
- ◇ Contact Resistance: 20 mΩ Max. before environment test
- ◇ Insulation Resistance: 100 MΩ Min.
- ◇ Temperature Range: -40° C to 85° C

Reference

- ◇ Mates with 1010S series Single-Row Plug Housing
- ◇ Certifications: UL
- ◇ GWT 850° C rated product is available

1011P, 1012P SMT Header, Single-row



Ordering Information: REFLOW SOLDER SERIES

Circuits	Part No.		Dimension	
	Straight	Right-Angle	A	B
2	1011P02S9T	1012P02S9T	1.0	4.0
3	1011P03S9T	1012P03S9T	2.0	5.0
4	1011P04S9T	1012P04S9T	3.0	6.0
5	1011P05S9T	1012P05S9T	4.0	7.0
6	1011P06S9T	1012P06S9T	5.0	8.0
7	1011P07S9T	1012P07S9T	6.0	9.0
8	1011P08S9T	1012P08S9T	7.0	10.0
9	1011P09S9T	1012P09S9T	8.0	11.0
10	1011P10S9T	1012P10S9T	9.0	12.0
11	1011P11S9T	1012P11S9T	10.0	13.0
12	1011P12S9T	1012P12S9T	11.0	14.0
13	1011P13S9T	1012P13S9T	12.0	15.0
14	1011P14S9T	1012P14S9T	13.0	16.0
15	1011P15S9T	1012P15S9T	14.0	17.0
16	1011P16S9T	1012P16S9T	15.0	18.0
17	1011P17S9T	1012P17S9T	16.0	19.0
18	1011P18S9T	1012P18S9T	17.0	20.0
19	1011P19S9T	1012P19S9T	18.0	21.0
20	1011P20S9T	1012P20S9T	19.0	22.0

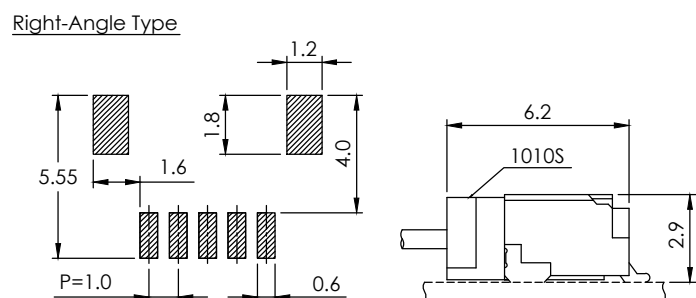
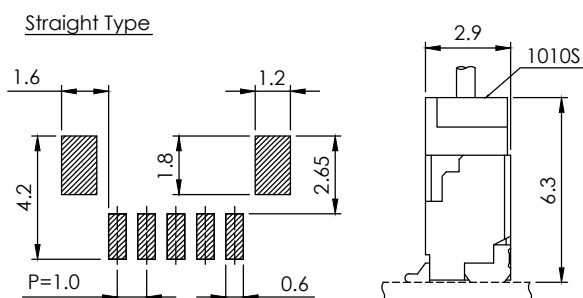
Material

Base	HIGH HDT Nylon-GF 94V-0, Ivory color
Contact	Phosphor bronze, Matte tin-plated
Metal Peg	Phosphor bronze, Matte tin-plated

※ Color Identification: the following alphabet shall be put,
 ex. 1011P 20 S9 T - B
 20... Circuit no. B... Black, E... Blue, R... Red,
 T... Matte tin, I... Gold flash

※ SMT Embossed Tape Packing Information:
 Q' ty per 330 mm Dia. Panel: 1,000 PCS

P.C. Board Layout / Assembly Layout



Mini Pitch 1010 SERIES CONNECTOR



1.0 mm Pitch Wire-to-Board Connector



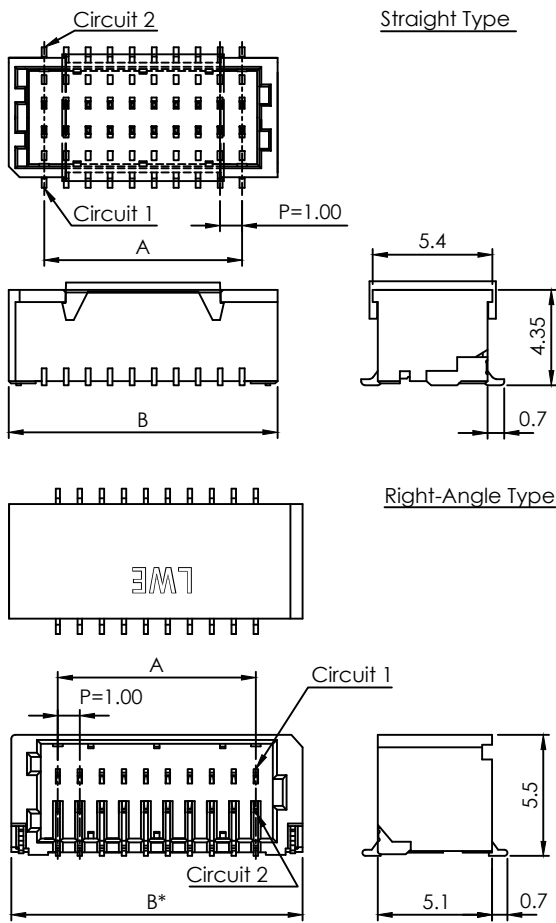
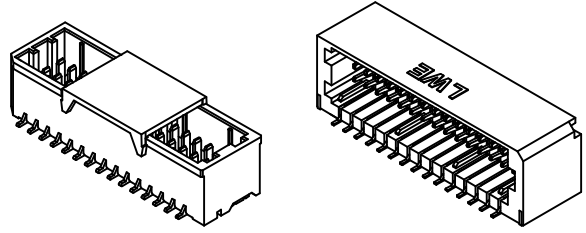
Specifications

- ◇ Current rating: 1A AC/DC Max.
- ◇ Voltage Range: 50V AC,DC
- ◇ Withstand Voltage: 500V AC/Minute
- ◇ Contact Resistance: 20 mΩ Max. before environment test
- ◇ Insulation Resistance: 100 MΩ Min.
- ◇ Temperature Range: -40° C to 85° C

Reference

- ◇ Mates with 1010S series Dual-Row Plug Housing
- ◇ Certifications: UL
- ◇ GWT 850° C rated product is available

1011P, 1012P SMT Header, Dual-row



Ordering Information: REFLOW SOLDER SERIES

Circuits	Part No.		Dimension		
	Straight	Right-Angle	A	B	B*
10	1011P10D9T	1012P10D9T	4.0	7.3	8.0
20	1011P20D9T	1012P20D9T	9.0	12.3	13.0
30	1011P30D9T	1012P30D9T	14.0	17.3	18.0
40	1011P40D9T	1012P40D9T	19.0	22.3	23.0
50	1011P50D9T	1012P50D9T	24.0	27.3	28.0

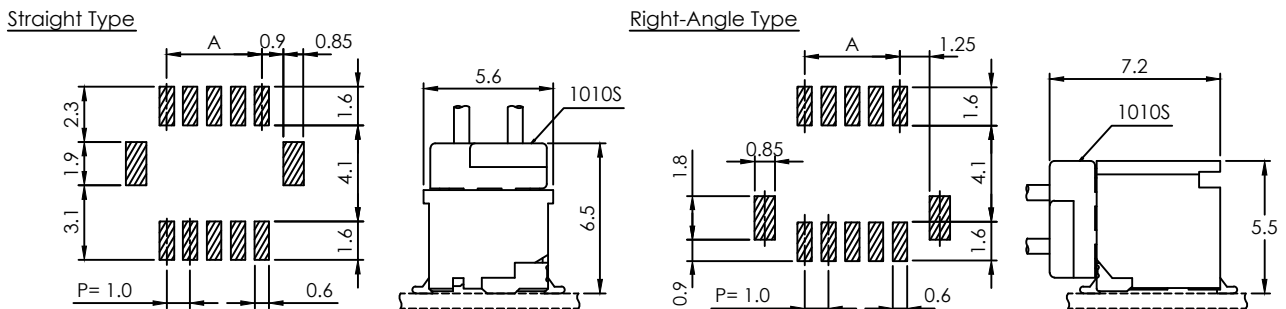
Material

Part	Material / Finish
Base	HIGH HDT Nylon-GF 94V-0, Ivory color
Contact	Phosphor bronze, Matte tin-plated
Metal Peg	Phosphor bronze, Matte tin-plated

※ Color Identification: the following alphabet shall be put, ex. 1011P 50 D9 I - B
 50... Circuit no.
 B... Black, E... Blue, R... Red,
 T... Matte tin, 1... Gold flash

※ SMT Embossed Tape Packing Information:
 Q' ty per 330 mm Dia. Panel: 1,000 PCS

P.C. Board Layout / Assembly Layout



Mini Pitch 1010 SERIES CONNECTOR



1.0 mm Pitch Wire-to-Board Connector

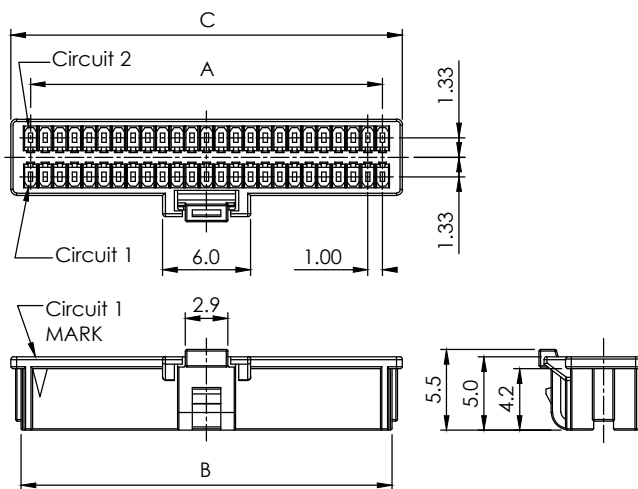


Specifications

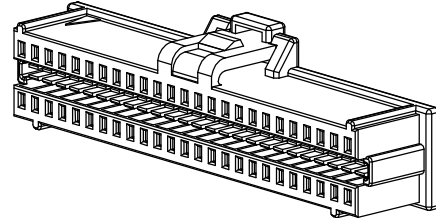
- ◇ Current rating: 1A AC/DC Max.
- ◇ Voltage Range: 50V AC,DC
- ◇ Withstand Voltage: 250V AC/Minute
- ◇ Contact Resistance: 20 mΩ Max. before environment test
- ◇ Insulation Resistance: 100 MΩ Min.
- ◇ Temperature Range: -40° C to 85° C

Reference

- ◇ Mates with 1011PXXD9A-SB series dual-row Header
- ◇ Use with 1013T Type-3 series Crimp Terminal
- ◇ Certifications: refer to 1010S series
- ◇ Applicable wire gauge: AWG 28 - 32



1010S Plug Housing, Dual-Row (Type-B)



Ordering Information

Circuits	Part No.	Dimension		
		A	B	C
10	1010S10D0-SB	4.0	5.3	6.7
20	1010S20D0-SB	9.0	10.3	11.7
30	1010S30D0-SB	14.0	15.3	16.7
40	1010S40D0-SB	19.0	20.3	21.7
50	1010S50D0-SB	24.0	25.3	26.7

Material

Part	Material / Finish
Housing	Nylon66 94V-0, white (natural)

※ Color Identification: the following alphabet shall be put, ex. 1010S 50 D0- E B

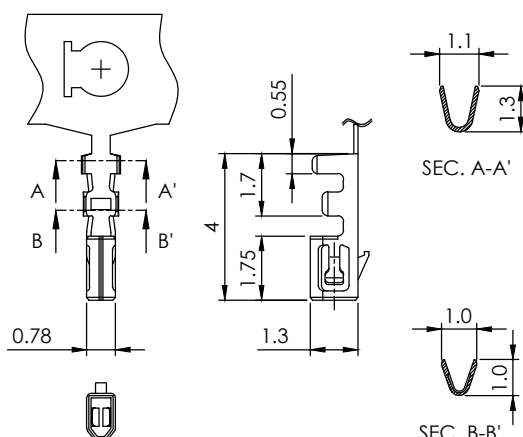
50... Circuit no.

E... Blue, B... Black, H... Gray, M... Green, W... Brown
R... Red, D... Orange, Y... Yellow, P... Pink color

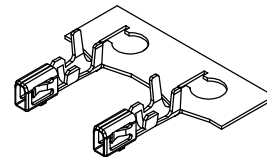
※ Contact sales for available P/N up to date.

Specifications

- ◇ Use with 1010S Type-B series Plug Housing



1013T Crimp Terminal (Type 3)



Ordering Information

Part No.	Applicable Wire		
	AWG #	Insulation O.D. mm	Q'ty / Reel
1013T311B	28 - 32	0.8 Max.	15,000

Material

Part No.	Material / Finish
1013T311B	Phosphor bronze 3 μ" Select gold-plated

Mini Pitch 1010 SERIES CONNECTOR



1.0 mm Pitch Wire-to-Board Connector



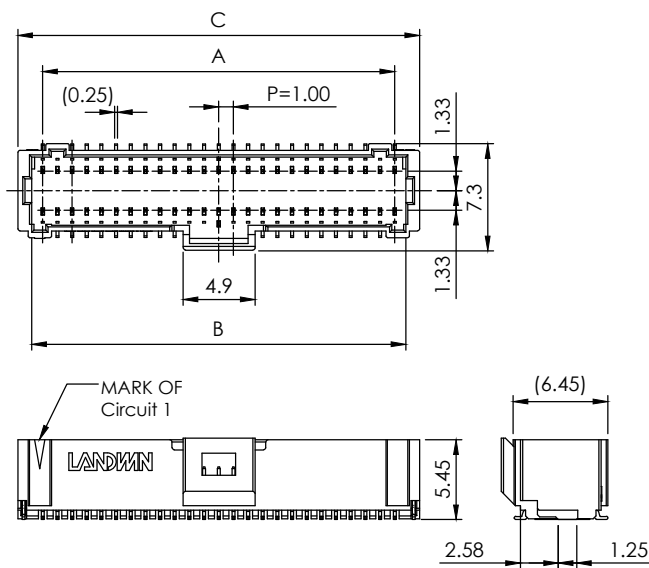
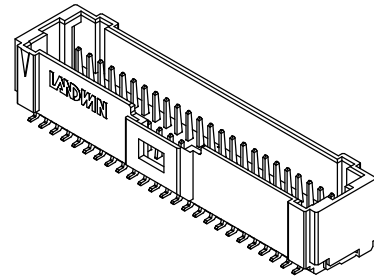
Specifications

- ◇ Current rating: 1A AC/DC Max.
- ◇ Voltage Range: 50V AC,DC
- ◇ Withstand Voltage: 250V AC/Minute
- ◇ Contact Resistance: 20 mΩ Max. before environment test
- ◇ Insulation Resistance: 100 MΩ Min.
- ◇ Temperature Range: -40° C to 85° C

Reference

- ◇ Mates with 1010SXXD0-SB series dual-row Plug Housing
- ◇ Certifications: refer to 1010S series
- ◇ GWT 850° C rated product is available

1011P SMT Header, Dual-row (Type-B)



Ordering Information: REFLOW SOLDER SERIES

Circuits	Part No.	Dimension		
		A	B	C
10	1011P10D9A-SB	4.0	5.5	7.4
20	1011P20D9A-SB	9.0	10.5	12.4
30	1011P30D9A-SB	14.0	15.5	17.4
40	1011P40D9A-SB	19.0	20.5	22.4
50	1011P50D9A-SB	24.0	25.5	27.4

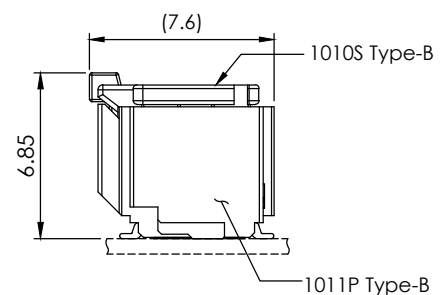
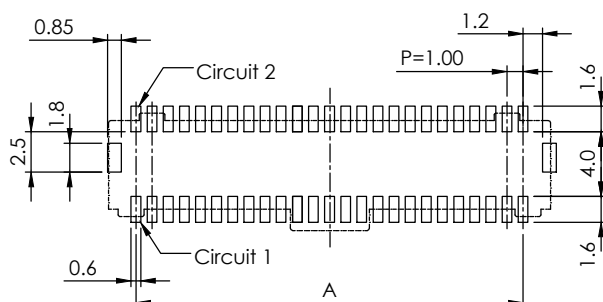
Material

Part	Material / Finish
Housing	HIGH HDT Nylon-GF 94V-0, Ivory color
Contact	Phosphor bronze, Select gold flash-plated
Metal Peg	Phosphor bronze, Matte tin-plated

※ Color Identification: the following alphabet shall be put,
 ex. 1011P 50 D9A- E B
 50... Circuit no.
 B... Black, E... Blue, R... Red

※ SMT Embossed Tape Packing Information:
 Q' ty per 330 mm Dia. Panel: 1,000 PCS

P.C. Board Layout / Assembly Layout



Mini Pitch 1250 SERIES CONNECTOR



1.25 mm Pitch Wire-to-Board Connector

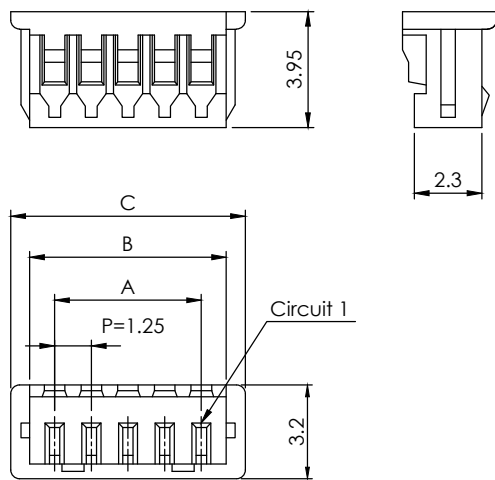


Specifications

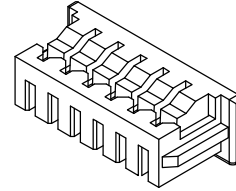
- ◇ Current rating: 1A AC/DC Max.
- ◇ Voltage Range: 125V AC,DC
- ◇ Withstand Voltage: 250V AC/Minute
- ◇ Contact Resistance: 20 mΩ Max. before environment test
- ◇ Insulation Resistance: 100 MΩ Min.
- ◇ Temperature Range: -40° C to 85° C

Reference

- ◇ Mates with 1251P, 1252P series Single-Row Header
- ◇ Use with 1253T series Crimp Terminal
- ◇ Certifications: UL
- ◇ Applicable wire gauge: AWG 26 - 32



1250S Single-Row Plug Housing



Ordering Information

Circuits	Part No.	Dimension		
		A	B	C
2	1250S02 03	1.25	2.95	4.25
3	1250S03 03	2.50	4.20	5.50
4	1250S04 03	3.75	5.45	6.75
5	1250S05 03	5.00	6.70	8.00
6	1250S06 03	6.25	7.95	9.25
7	1250S07 03	7.50	9.20	10.50
8	1250S08 03	8.75	10.45	11.75
9	1250S09 03	10.00	11.70	13.00
10	1250S10 03	11.25	12.95	14.25
11	1250S11 03	12.50	14.20	15.50
12	1250S12 03	13.75	15.45	16.75
13	1250S13 03	15.00	16.70	18.00
14	1250S14 03	16.25	17.95	19.25
15	1250S15 03	17.50	19.20	20.50

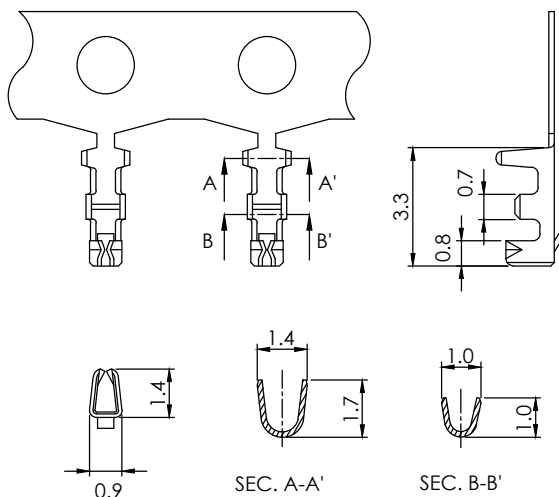
Material

Part	Material / Finish
Housing	PBT-GF 94V-0, White (natural color)

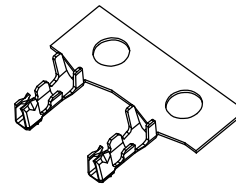
※ Color Identification: the following alphabet shall be added.
 ex. 1250S 15 03- B
 15... Circuit no.
 B... Black, R... Red, M... Green, E... Blue,

Reference

- ◇ Use with 1250S series single-row Plug Housing



1253T Crimp Terminal



Ordering Information

Part No.	Applicable Wire		
	AWG #	Insulation O.D. mm	Q'ty / Reel
1253T011R	26 - 32	1.0 Max.	15,000

Material

Part No.	Material / Finish
1253T011R	Phosphor bronze Tin-plated

Mini Pitch 1250 SERIES CONNECTOR



1.25 mm Pitch Wire-to-Board Connector



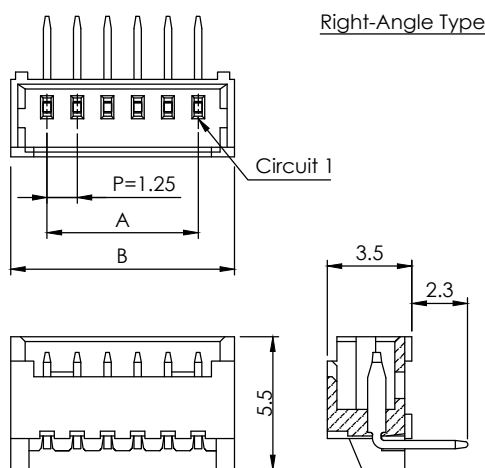
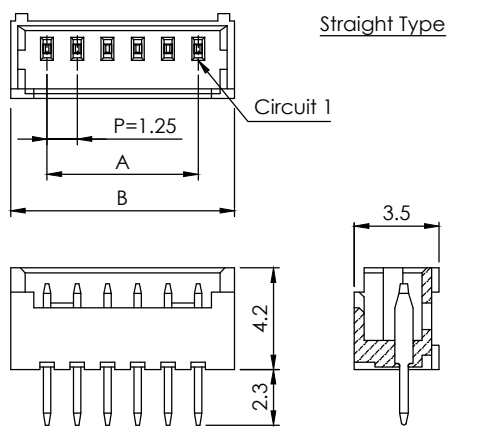
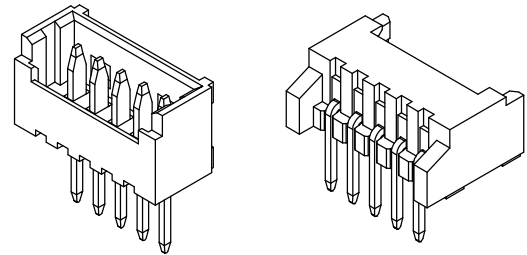
Specifications

- ◇ Current rating: 1A AC/DC Max.
- ◇ Voltage Range: 125V AC,DC
- ◇ Withstand Voltage: 250V AC/Minute
- ◇ Contact Resistance: 20 mΩ Max. before environment test
- ◇ Insulation Resistance: 100 MΩ Min.
- ◇ Temperature Range: -40° C to 85° C

Reference

- ◇ Mates with 1250S series Single-Row Plug Housing
- ◇ Certifications: UL
- ◇ GWT 750° C rated product is available

1251P, 1252P DIP Header



Ordering Information

Circuits	Part No.		Dimension	
	Straight	Right-Angle	A	B
2	1251P0200T	1252P0200T	1.25	4.3
3	1251P0300T	1252P0300T	2.50	5.5
4	1251P0400T	1252P0400T	3.75	6.8
5	1251P0500T	1252P0500T	5.00	8.0
6	1251P0600T	1252P0600T	6.25	9.3
7	1251P0700T	1252P0700T	7.50	10.5
8	1251P0800T	1252P0800T	8.75	11.8
9	1251P0900T	1252P0900T	10.00	13.0
10	1251P1000T	1252P1000T	11.25	14.3
11	1251P1100T	1252P1100T	12.50	15.5
12	1251P1200T	1252P1200T	13.75	16.8
13	1251P1300T	1252P1300T	15.00	18.0
14	1251P1400T	1252P1400T	16.25	19.3
15	1251P1500T	1252P1500T	17.50	20.5

Material

Part	Material / Finish
Base	Glass-filled Nylon 66 94V-0, Light ivory color
Contact	Phosphor bronze, Matte tin-plated

※ Color Identification: the following alphabet shall be put,

ex. 1251P 15 00 I - B

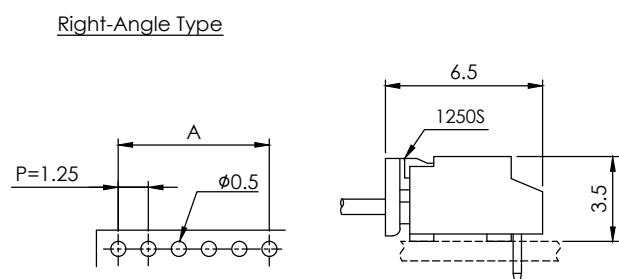
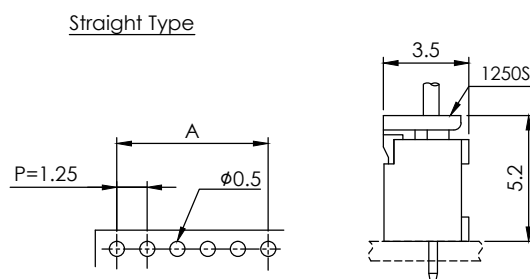
ex. 1252P 15 00 I - B

15... Circuit no.,

T... Matte tin-plated, I... Gold flash-plated

B... Black, M... Green, E... Blue, W... Brown, R... Red color

P.C. Board Layout / Assembly Layout



Mini Pitch 1250 SERIES CONNECTOR



1.25 mm Pitch Wire-to-Board Connector



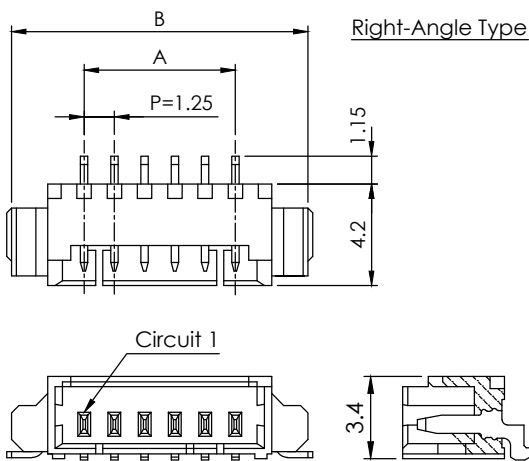
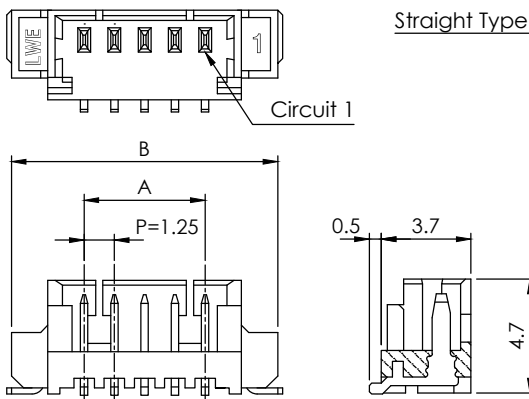
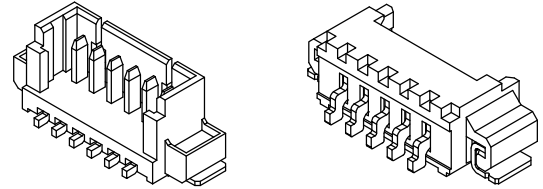
Specifications

- ◇ Current rating: 1A AC/DC Max.
- ◇ Voltage Range: 125V AC,DC
- ◇ Withstand Voltage: 250V AC/Minute
- ◇ Contact Resistance: 20 mΩ Max. before environment test
- ◇ Insulation Resistance: 100 MΩ Min.
- ◇ Temperature Range: -40° C to 85° C

Reference

- ◇ Mates with 1250S series Single-Row series Plug Housing
- ◇ Certifications: UL
- ◇ GWT 850° C rated product is available

1251P, 1252P SMT Header



Ordering Information: REFLOW SOLDER SERIES

Circuits	Part No.		Dimension	
	Straight	Right-Angle	A	B
2	1251P0210T	1252P0210T	1.25	7.3
3	1251P0310T	1252P0310T	2.50	8.5
4	1251P0410T	1252P0410T	3.75	9.8
5	1251P0510T	1252P0510T	5.00	11.0
6	1251P0610T	1252P0610T	6.25	12.3
7	1251P0710T	1252P0710T	7.50	13.5
8	1251P0810T	1252P0810T	8.75	14.8
9	1251P0910T	1252P0910T	10.00	16.0
10	1251P1010T	1252P1010T	11.25	17.3
11	1251P1110T	1252P1110T	12.50	18.5
12	1251P1210T	1252P1210T	13.75	19.8
13	1251P1310T	1252P1310T	15.00	21.0
14	1251P1410T	1252P1410T	16.25	22.3
15	1251P1510T	1252P1510T	17.50	23.5

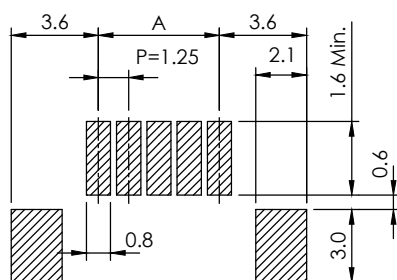
Material

Part	Material / Finish
Base	HIGH HDT Nylon-GF 94V-0, Ivory color
Contact, Peg	Phosphor bronze, Matte tin-plated

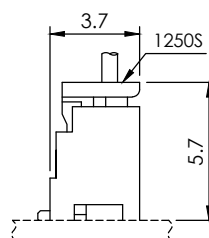
※ Color Identification: the following alphabet shall be put,
 ex. 1251P 15 10 T - B
 ex. 1252P 15 10 T - B
 15... Circuit no.
 T... Matte tin-plated, 1... Gold flash-plated
 B... Black, E... Blue, R... Red color

※ SMT Embossed Tape Packing Information:
 Q' ty per 330 mm Dia. Panel: 1,000 PCS

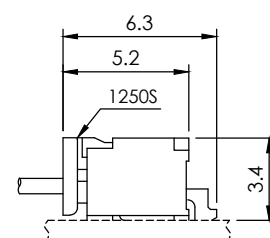
P.C. Board Layout / Assembly Layout



Straight Type



Right-Angle Type



Mini Pitch 1250 SERIES CONNECTOR



1.25 mm Pitch Wire-to-Board Connector



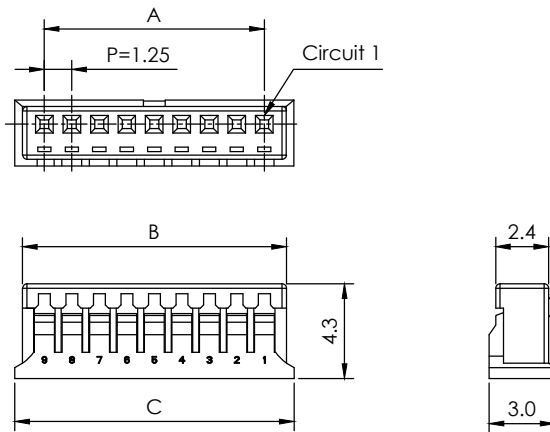
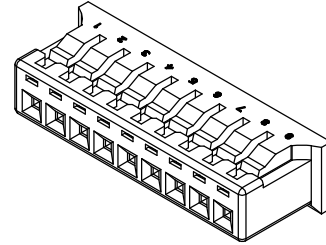
Specifications

- ◇ Current rating: 1A AC/DC Max.
- ◇ Voltage Range: 200V AC,DC
- ◇ Withstand Voltage: 500V AC/Minute
- ◇ Contact Resistance: 20 mΩ Max. before environment test
- ◇ Insulation Resistance: 100 MΩ Min.
- ◇ Temperature Range: -40° C to 85° C

Reference

- ◇ Mates with JAE IL-Z series Header
- ◇ Use with 1253TH series Crimp Terminal
- ◇ Certifications: refer to 1250S-H series
- ◇ Applicable wire gauge: AWG 28 - 32

1250S Plug Housing (Type H)



Ordering Information

Circuits	Part No.	Dimension		
		A	B	C
7	1250S07 H1-W	7.5	9.5	10.2
9	1250S09 H1-W	10.0	12.0	12.7
15	1250S15 H1-W	17.5	19.5	20.2

Material

Part	Material
Housing	Glass-filled Nylon 66 94V-0, Brown color

※ Color Identification: the following alphabet shall be put, ex. 1250S 07 H1- W

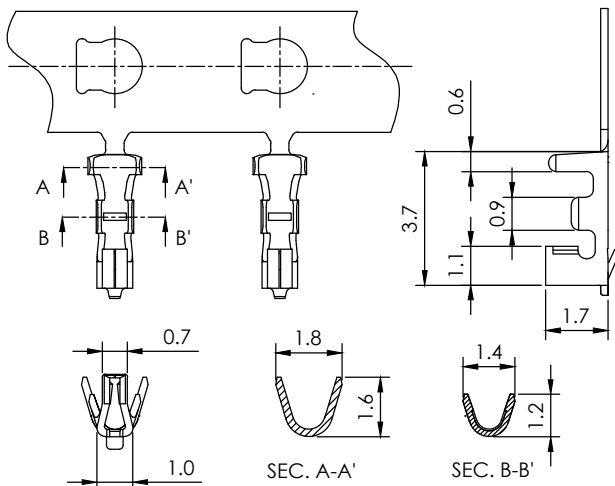
07... Circuit no.

W... Brown, R... Red, M... Green, E... Blue color

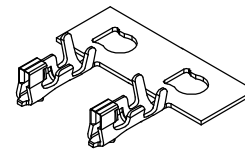
※ Contact sales for available P/N up to date.

Reference

- ◇ Use with 1250S Type-H series single-row Plug Housing



1253TH Crimp Terminal



Ordering Information

Part No.	Applicable Wire		
	AWG #	Insulation O.D. mm	Q'ty / Reel
1253TH11R	28 - 32	0.9 Max.	20,000

Material

Part No.	Material / Finish
1253TH11R	Phosphor bronze Tin-plated

Mini Pitch 1250 SERIES CONNECTOR



1.25 mm Pitch Wire-to-Board Connector

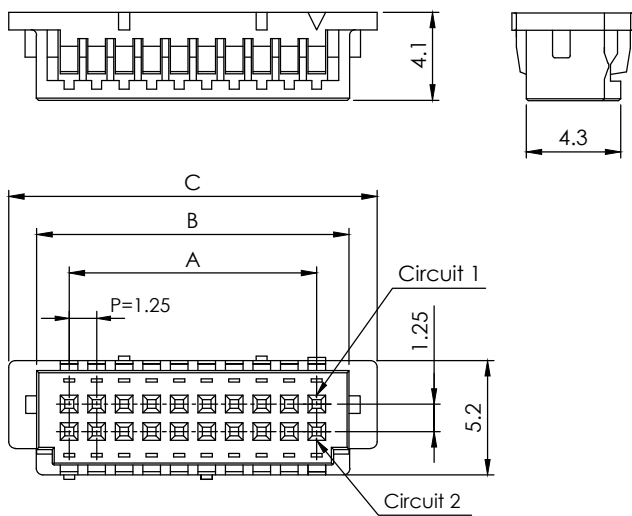


Specifications

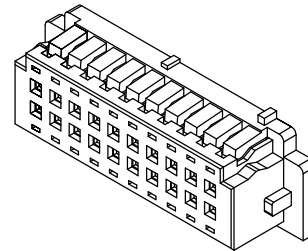
- ◇ Current rating: 1A AC/DC Max.
- ◇ Voltage Range: 150V AC,DC
- ◇ Withstand Voltage: 500V AC/Minute
- ◇ Contact Resistance: 30 mΩ Max. before environment test
- ◇ Insulation Resistance: 500 MΩ Min.
- ◇ Temperature Range: -40° C to 85° C

Reference

- ◇ Mates with 1251P series Dual-Row Header
- ◇ Use with 1253TD series Crimp Terminal
- ◇ Certifications: refer to 1250S series
- ◇ Applicable wire gauge: AWG 26 - 30



1250S Dual-Row Plug Housing (Type D)



Ordering Information

Circuits	Part No.	Dimension		
		A	B	C
10	1250S10D0	5.00	8.0	10.4
20	1250S20D0	11.25	14.3	16.7
30	1250S30D0	17.50	20.5	22.9
40	1250S40D0	23.75	26.8	29.2
50	1250S50D0	30.00	33.0	35.4

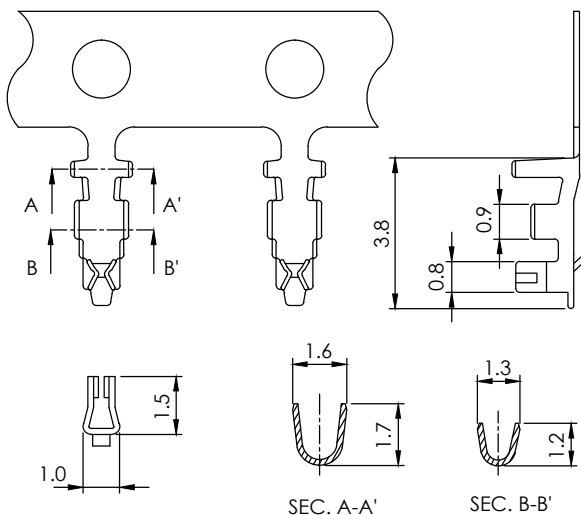
Material

Part	Material
Housing	Nylon 66 94V-0, Brown color

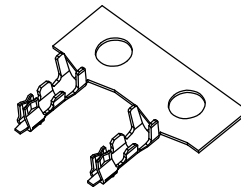
※ Color Identification: the following alphabet shall be put,
 ex. 1250S 50 D0- B
 50... Circuit no.
 B... Black, R... Red, M... Green, E... Blue color

Reference

- ◇ Use with 1250S series dual-row Plug Housing



1253TD Crimp Terminal



Ordering Information

Part No.	Applicable Wire		Q'ty / Reel
	AWG #	Insulation O.D. mm	
1253TD11R	26 - 30	1.0 Max.	10,000

Material

Part No.	Material / Finish
1253TD11R	Phosphor bronze Tin-plated

Mini Pitch 1250 SERIES CONNECTOR



1.25 mm Pitch Wire-to-Board Connector



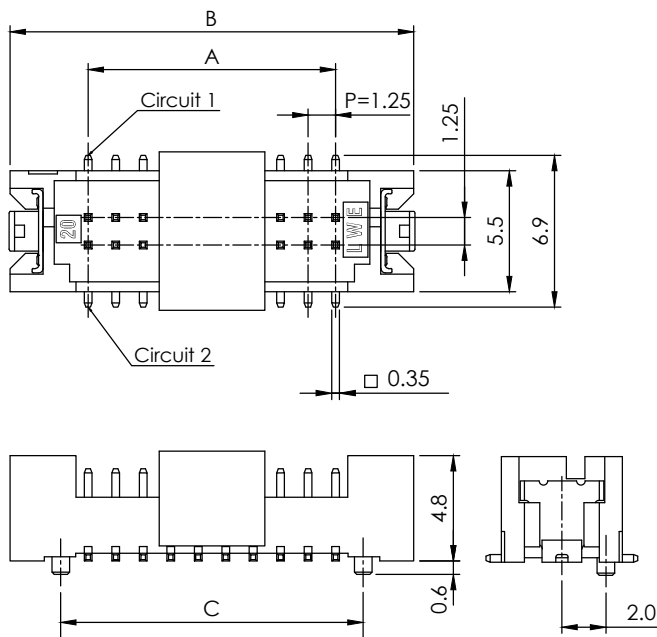
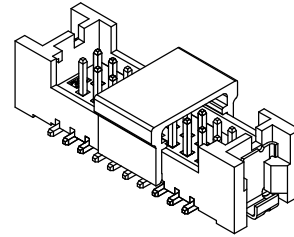
Specifications

- ◇ Current rating: 1A AC/DC Max.
- ◇ Voltage Range: 150V AC,DC
- ◇ Withstand Voltage: 500V AC/Minute
- ◇ Contact Resistance: 30 mΩ Max. before environment test
- ◇ Insulation Resistance: 500 MΩ Min.
- ◇ Temperature Range: -40° C to 85° C

Reference

- ◇ Mates with 1250S series Dual-Row Plug Housing
- ◇ Certifications: refer to 1250S series
- ◇ GWT 850° C rated product is available

1251P Dual-Row SMT Header (Type D)



Ordering Information: REFLOW SOLDER SERIES

Circuits	Part No.		Dimension		
	Re-flow Tin Contact Pin	Gold flash Contact Pin	A	B	C
10	1251P10D0T	1251P10D01	5.00	12.10	7.50
20	1251P20D0T	1251P20D01	11.25	18.35	13.75
30	1251P30D0T	1251P30D01	17.50	24.60	20.00
40	1251P40D0T	1251P40D01	23.75	30.85	26.25
50	1251P50D0T	1251P50D01	30.00	37.10	32.50

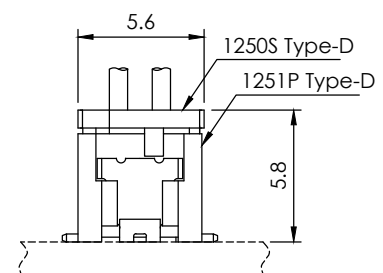
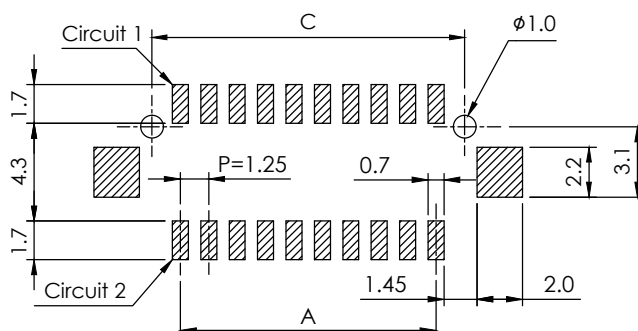
Material

Part	Material / Finish
Base	HIGH HDT Nylon-GF 94V-0, Ivory color
Contact	Brass, Re-flow tin-plated or Gold-plated
Metal Peg	Phosphor bronze, Matte tin-plated

- ※ Color Identification: the following alphabet shall be put, ex. 1251P 50 D0 I - B
50... Circuit no.
T... Tin-plated (re-flow), 1... Gold flash-plated
B... Black, E... Blue, R... Red color

- ※ SMT Embossed Tape Packing Information:
Q' ty per 330 mm Dia. Panel: 1,000 PCS

P.C. Board Layout / Assembly Layout



Mini Pitch 1500 SERIES CONNECTOR



1.5 mm Pitch Wire-to-Board Connector



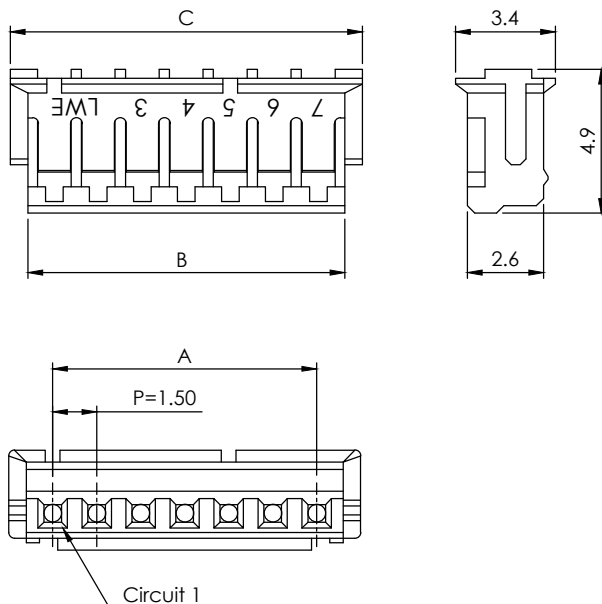
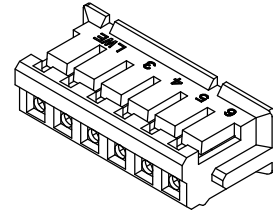
Specifications

- ◇ Current rating: 1A AC/DC (AWG 28)
- ◇ Voltage Range: 50V AC,DC
- ◇ Withstand Voltage: 500V AC/Minute
- ◇ Contact Resistance: 20 mΩ Max. before environment test
- ◇ Insulation Resistance: 500 MΩ Min.
- ◇ Temperature Range: -40° C to 85° C

Reference

- ◇ Mates with 1501P, 1502P series Single-Row Header
- ◇ Use with 1503T series Crimp Terminal
- ◇ Certifications: UL

1500S Single-Row Plug Housing



Ordering Information

Circuits	Part No.	Dimension		
		A	B	C
2	1500S0200	1.5	3.3	4.5
3	1500S0300	3.0	4.8	6.0
4	1500S0400	4.5	6.3	7.5
5	1500S0500	6.0	7.8	9.0
6	1500S0600	7.5	9.3	10.5
7	1500S0700	9.0	10.8	12.0
8	1500S0800	10.5	12.3	13.5
9	1500S0900	12.0	13.8	15.0
10	1500S1000	13.5	15.3	16.5
11	1500S1100	15.0	16.8	18.0
12	1500S1200	16.5	18.3	19.5
13	1500S1300	18.0	19.8	21.0

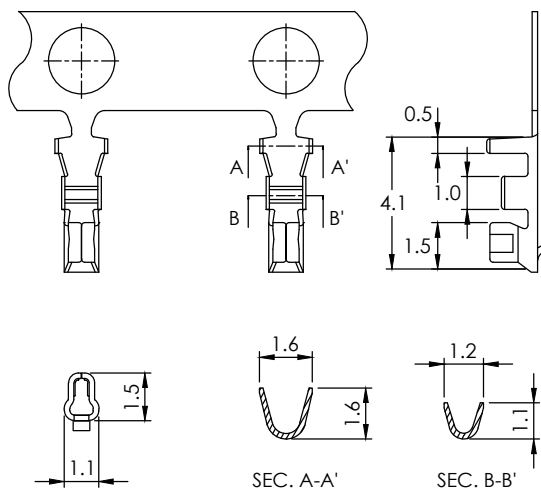
Material

Part	Material / Finish
Housing	Nylon 66 94V-0, White (natural)

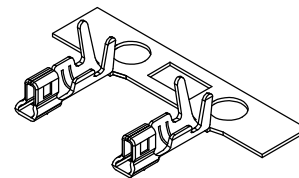
※ Color Identification: the following alphabet shall be put
 ex. 1500S 13 00 - B
 13... Circuit no., B... Black, R... Red, E... Blue, W... Brown

Reference

- ◇ Use with 1500S series single-row Plug Housing



1503T Crimp Terminal



Ordering Information

Part No.	Applicable Wire		Q'ty / Reel
	AWG #	Insulation O.D. mm	
1503T011R	28 - 32	0.9 Max.	15,000

Material

Part No.	Material / Finish
1503T011R	Phosphor bronze Tin-plated

Mini Pitch 1500 SERIES CONNECTOR



1.5 mm Pitch Wire-to-Board Connector



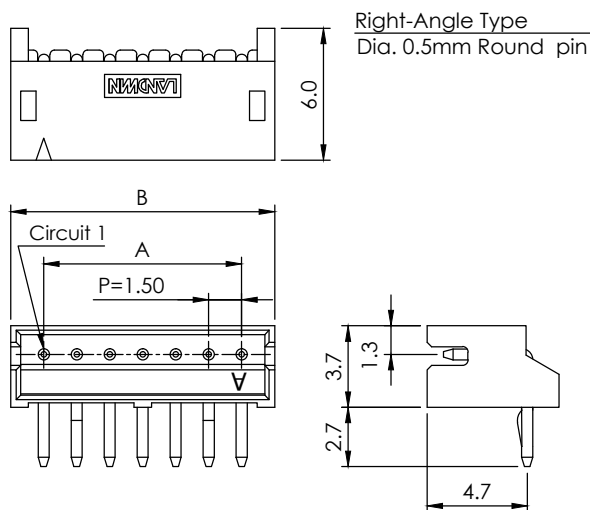
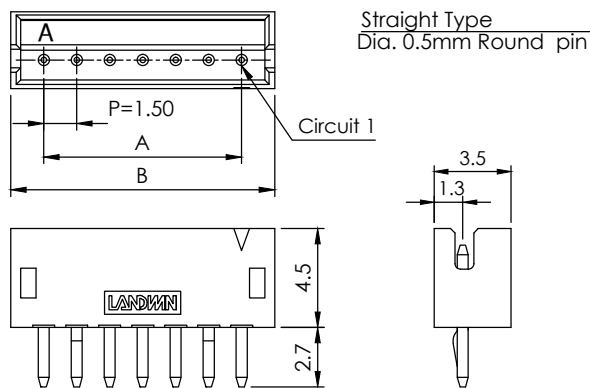
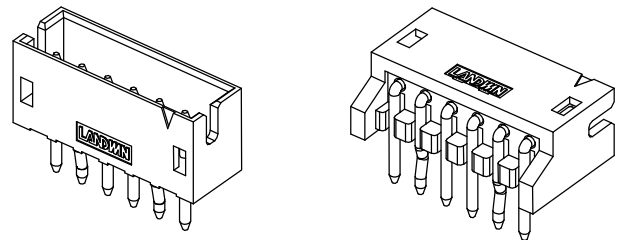
Specifications

- ◇ Current rating: 1A AC/DC
- ◇ Voltage Range: 50V AC,DC
- ◇ Withstand Voltage: 500V AC/Minute
- ◇ Contact Resistance: 20 mΩ Max. before environment test
- ◇ Insulation Resistance: 500 MΩ Min.
- ◇ Temperature Range: -40° C to 85° C

Reference

- ◇ Mates with 1500S series Single-Row Plug Housing
- ◇ Certifications: UL
- ◇ GWT 750° C rated product is available

1501P, 1502P DIP Header



Ordering Information

Circuits	Part No.		Dimension	
	Straight	Right-Angle	A	B
2	1501P0200T	1502P0200T	1.5	4.5
3	1501P0300T	1502P0300T	3.0	6.0
4	1501P0400T	1502P0400T	4.5	7.5
5	1501P0500T	1502P0500T	6.0	9.0
6	1501P0600T	1502P0600T	7.5	10.5
7	1501P0700T	1502P0700T	9.0	12.0
8	1501P0800T	1502P0800T	10.5	13.5
9	1501P0900T	1502P0900T	12.0	15.0
10	1501P1000T	1502P1000T	13.5	16.5
11	1501P1100T	1502P1100T	15.0	18.0
12	1501P1200T	1502P1200T	16.5	19.5
13	1501P1300T	1502P1300T	18.0	21.0

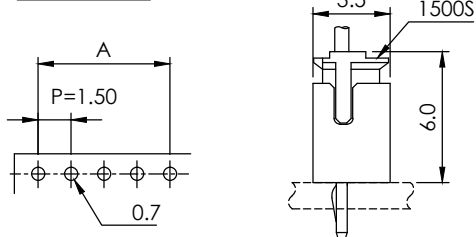
Material

Part	Material / Finish
Base	Glass-filled Nylon-66 94V-0, Light ivory color
Contact	Brass, Re-flow tin-plated

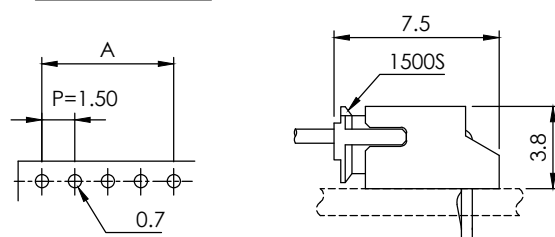
※ Color Identification: the following alphabet shall be put
 ex. 1501P 13 00 I - B
 ex. 1502P 13 00 I - B
 B... Black, E... Blue, R... Red color
 13... Circuit no.
 T... Tin (re-flow), 1... Gold flash

P.C. Board Layout / Assembly Layout

Straight Type



Right-Angle Type



Mini Pitch 1500 SERIES CONNECTOR



1.5 mm Pitch Wire-to-Board Connector



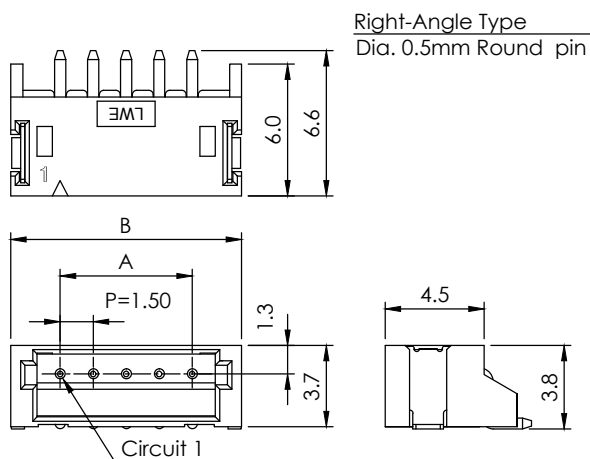
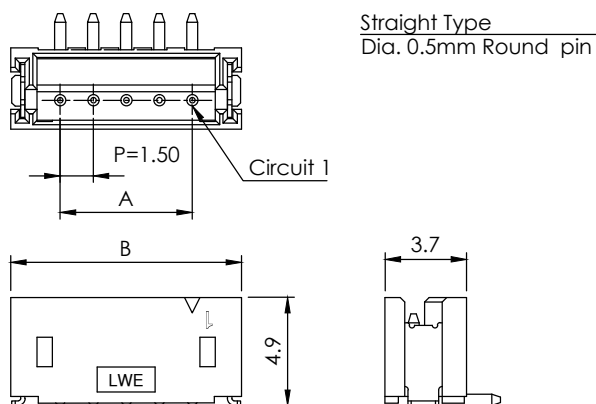
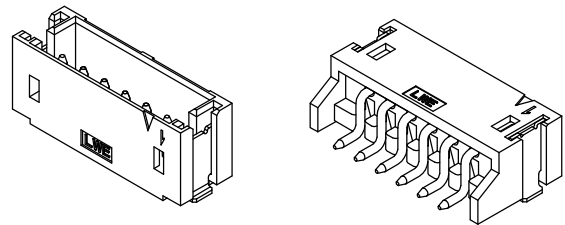
Specifications

- ◇ Current rating: 1A AC/DC
- ◇ Voltage Range: 50V AC,DC
- ◇ Withstand Voltage: 500V AC/Minute
- ◇ Contact Resistance: 20 mΩ Max. before environment test
- ◇ Insulation Resistance: 500 MΩ Min.
- ◇ Temperature Range: -40° C to 85° C

Reference

- ◇ Mates with 1500S series Single-Row Plug Housing
- ◇ Certifications: UL
- ◇ GWT 850° C rated product is available

1501P, 1502P SMT Header



Ordering Information: REFLOW SOLDER SERIES

Circuits	Part No.		Dimension	
	Straight	Right-Angle	A	B
2	1501P02S9T	1502P02S9T	1.5	6.0
3	1501P03S9T	1502P03S9T	3.0	7.5
4	1501P04S9T	1502P04S9T	4.5	9.0
5	1501P05S9T	1502P05S9T	6.0	10.5
6	1501P06S9T	1502P06S9T	7.5	12.0
7	1501P07S9T	1502P07S9T	9.0	13.5
8	1501P08S9T	1502P08S9T	10.5	15.0
9	1501P09S9T	1502P09S9T	12.0	16.5
10	1501P10S9T	1502P10S9T	13.5	18.0
11	1501P11S9T	1502P11S9T	15.0	19.5
12	1501P12S9T	1502P12S9T	16.5	21.0
13	1501P13S9T	1502P13S9T	18.0	22.5

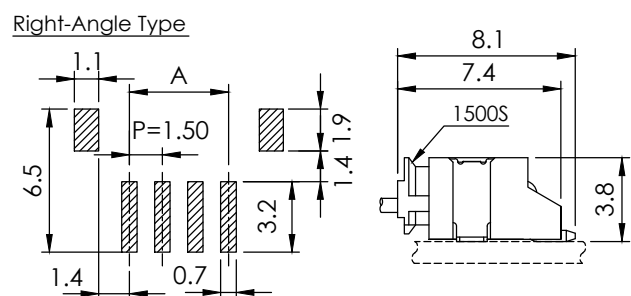
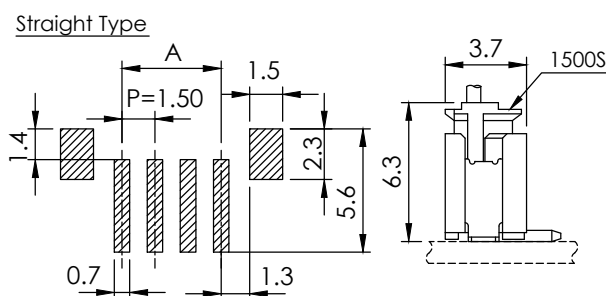
Material

Part	Material / Finish
Base	HIGHHDT Nylon-GF 94V-0, Ivory Color
Contact	Brass, Re-flow tin-plated
Metal Peg	Brass, Matte tin-Plated

※ Color Identification: the following alphabet shall be put
ex. 1501P 13 S9T- B , 1502P 13 S9T- B
B... Black, E... Blue, R... Red color
13... Circuit no.

※ SMT Embossed Tape Packing Information:
Q' ty per 330 mm Dia. Panel: 1,000 PCS

P.C. Board Layout / Assembly Layout



Mini Pitch 1508 SERIES CONNECTOR



1.5 mm Pitch Board-In Connector



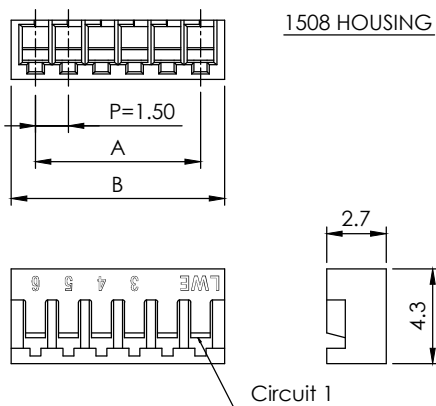
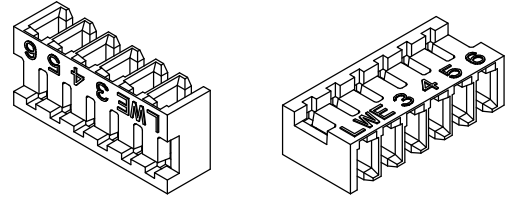
Specifications

- ◇ Current rating: 1A AC/DC (AWG 26)
- ◇ Voltage Range: 200V AC,DC
- ◇ Withstand Voltage: 500V AC/Minute
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Insulation Resistance: 500 MΩ Min.
- ◇ Temperature Range: -40° C to 85° C

Reference

- ◇ Use with 1509T, 1519T series Crimp Terminal
- ◇ Certifications: UL

1508S Board-In Housing



Ordering Information

Circuits	Part No.	Dimension	
		A	B
2	1508S0200	1.5	3.7
3	1508S0300	3.0	5.2
4	1508S0400	4.5	6.7
5	1508S0500	6.0	8.2
6	1508S0600	7.5	9.7
7	1508S0700	9.0	11.2
8	1508S0800	10.5	12.7
9	1508S0900	12.0	14.2
10	1508S1000	13.5	15.7
11	1508S1100	15.0	17.2
12	1508S1200	16.5	18.7
13	1508S1300	18.0	20.2
14	1508S1400	19.5	21.7
15	1508S1500	21.0	23.2

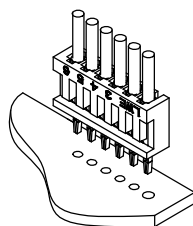
Material

Part	Material / Finish
Housing	Nylon 66 94V-0, white (natural)

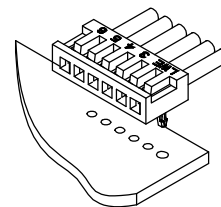
※ Color Identification: the following alphabet shall be put
 ex. 1508S 13 00- B
 13... Circuit no.
 B... Black, R... Red , E... Blue, W... Brown

Application Layout

1508S MATED
WITH 1509T

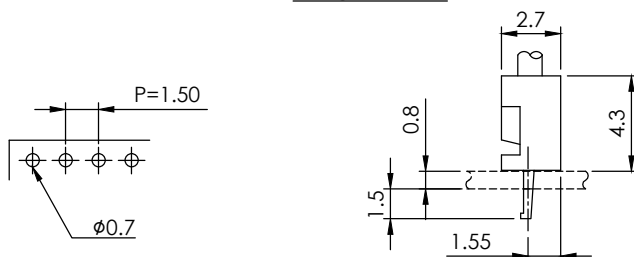


1508S MATED
WITH 1519T

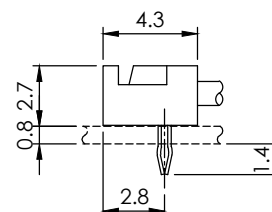


P.C. Board Layout / Assembly Layout

Straight Layout



Right-Angle Layout



Mini Pitch 1508 SERIES CONNECTOR



1.5 mm Pitch Board-In Connector

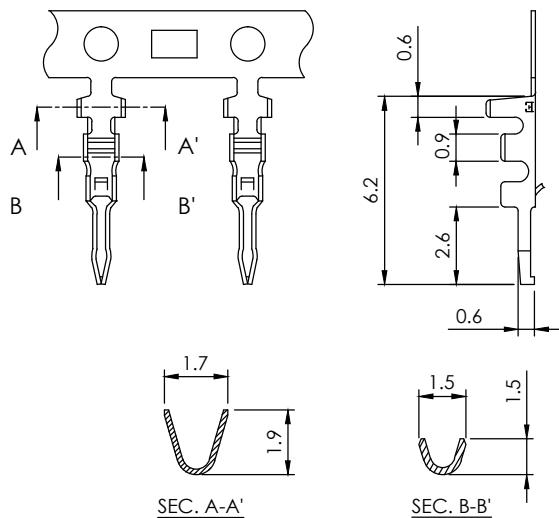


■ Specifications

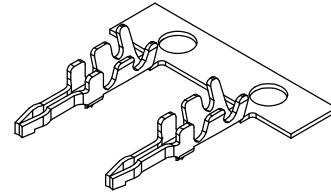
- ◇ Current rating: 1A AC/DC (AWG 26)
- ◇ Voltage Range: 200V AC,DC
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Temperature Range: -40° C to 85° C

■ Reference

- ◇ Use 1508S series Board-In Housing



1509T Board-In Crimp Terminal



Ordering Information

Part No.	Applicable Wire		
	AWG #	Insulation O.D. mm	Q'ty / Reel
1509T011R	26 - 28	1.1 Max.	20,000

Material

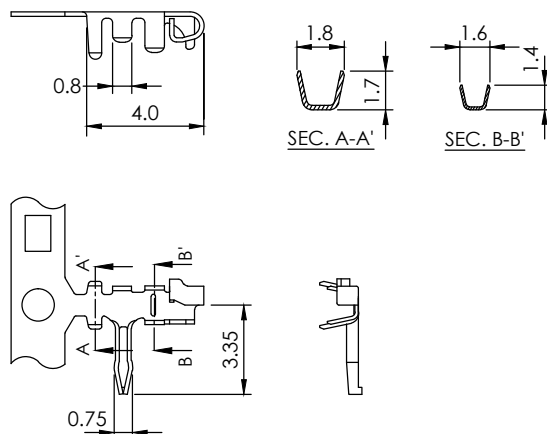
Part No.	Material / Finish
1509T011R	Phosphor Bronze Tin-Plated

■ Specifications

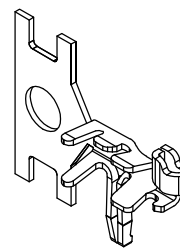
- ◇ Current rating: 1A AC/DC (AWG 26)
- ◇ Voltage Range: 200V AC,DC
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Temperature Range: -40° C to 85° C

■ Reference

- ◇ Use with 1508S series Board-In Housing



1519T Board-In Crimp Terminal



Ordering Information

Part No.	Applicable Wire		
	AWG #	Insulation O.D. mm	Q'ty / Reel
1519T011R	26 - 28	1.1 Max.	20,000

Material

Part No.	Material / Finish
1519T011R	Phosphor Bronze Tin-Plated

Mini Pitch 10050 SERIES CONNECTOR



0.5 mm Pitch Board-to-Board Connector



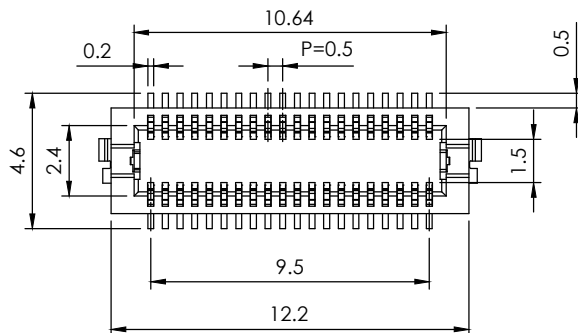
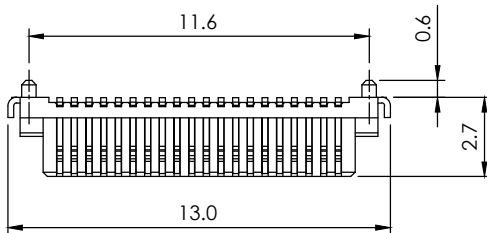
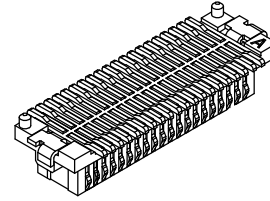
Specifications

- ◇ Current rating: 0.3A AC/DC
- ◇ Voltage Range: 50V AC,DC
- ◇ Withstand Voltage: 150V AC/Minute
- ◇ Contact Resistance: 50 mΩ Max. before environment test
- ◇ Insulation Resistance: 500 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Mates with 10051P series Plug connector.
- ◇ Combination staking height: 4.0 mm
- ◇ GWT 850° C rated product is available

10050P Receptacle



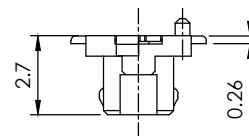
Ordering Information: REFLOW SOLDER SERIES

Circuits	Part No.	Solder Type	Stake Height
40	10050P40S91	SMT	4.0

Material

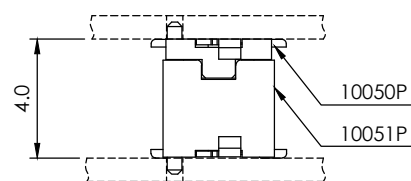
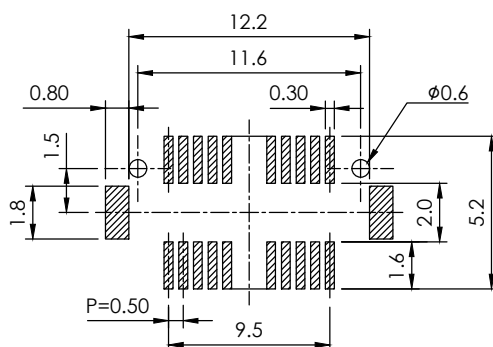
Part	Material / Finish
Base	HIGH HDT Nylon-GF 94V-0, Ivory color
Contact	Phosphor bronze, gold flash-plated
Metal peg	Phosphor bronze, Matte tin-plated

※ Color Identification: the following alphabet shall be put
 ex. 10050P 40 S91 - B
 B... Black, E... Blue, R... Red color
 40... Circuit no.



LEFT SIDE VIEW

P.C. Board Layout / Assembly Layout



ASSEMBLY VIEW

Mini Pitch 10051 SERIES CONNECTOR



0.5 mm Pitch Board-to-Board Connector



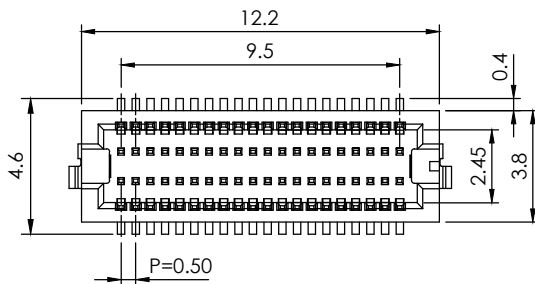
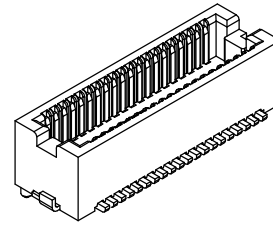
Specifications

- ◇ Current rating: 0.3A AC/DC
- ◇ Voltage Range: 50V AC,DC
- ◇ Withstand Voltage: 150V AC/Minute
- ◇ Contact Resistance: 50 mΩ Max. before environment test
- ◇ Insulation Resistance: 500 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Mates with 10050P series Receptacle.
- ◇ Combination staking height: 4.0 mm
- ◇ GWT 850° C rated product is available

10051P Plug Connector



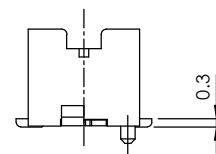
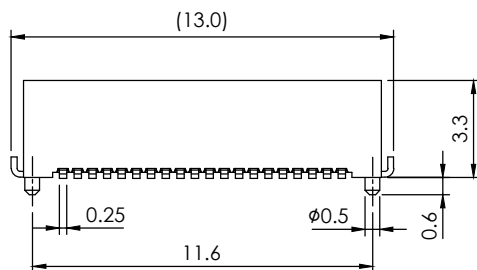
Ordering Information: REFLOW SOLDER SERIES

Circuits	Part No.	Solder Type	Stake Height
40	10051P40S91	SMT	4.0

Material

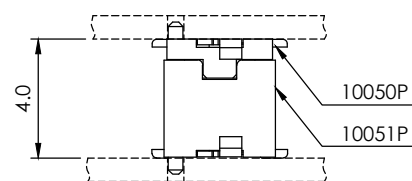
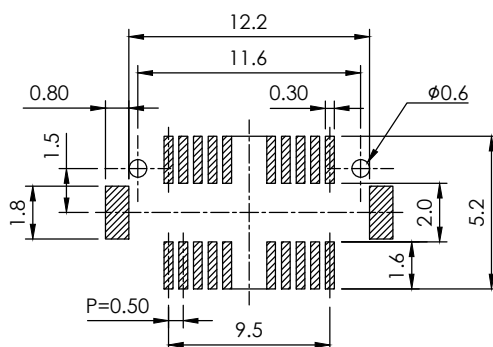
Part	Material / Finish
Base	HIGH HDT Nylon-GF 94V-0, Ivory color
Contact	Phosphor bronze, gold flash-plated
Metal peg	Phosphor bronze, Matte tin-plated

※ Color Identification: the following alphabet shall be put
 ex. 10051P 40 S91 - B
 B... Black, E... Blue, R... Red color
 40... Circuit no.



LEFT SIDE VIEW

P.C. Board Layout / Assembly Layout



ASSEMBLY VIEW

Mini Pitch 10056 SERIES CONNECTOR



0.5 mm Pitch Board-to-Board Connector



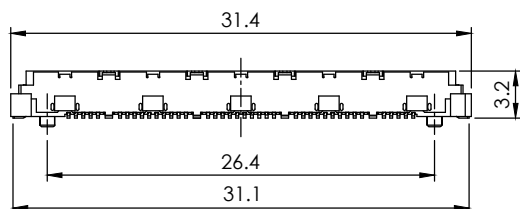
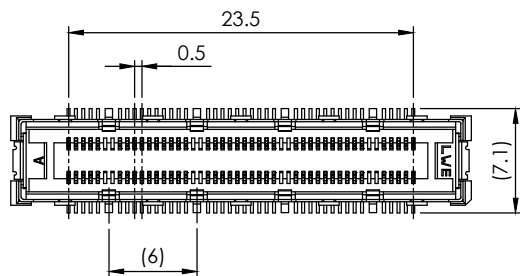
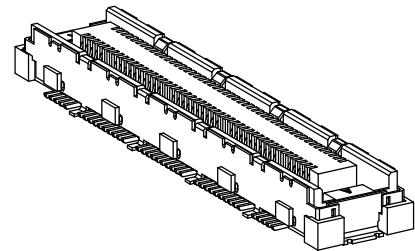
Specifications

- ◇ Current rating: 0.3A AC/DC
- ◇ Voltage Range: 50V AC,DC
- ◇ Withstand Voltage: 150V AC/Minute
- ◇ Contact Resistance: 50 mΩ Max. before environment test
- ◇ Insulation Resistance: 500 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Mates with 10055P series Plug connector.
- ◇ Combination staking height: 5.0 mm
- ◇ GWT 850° C rated product is available

10056P Receptacle (with Ground)



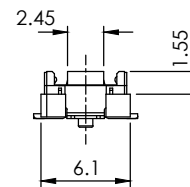
Ordering Information: REFLOW SOLDER SERIES

Circuits	Part No.	Solder Type	Stake Height
80	10056P80S52-S	SMT with ground	5.0

Material

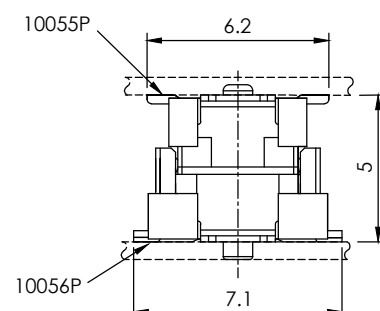
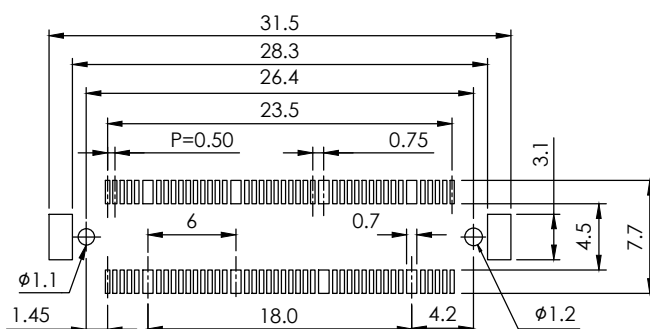
Part	Material / Finish
Base	HIGH HDT Nylon-GF 94V-0, Ivory color
Contact	Phosphor bronze, 3 μ" gold-plated
Metal peg	Phosphor bronze, Matte tin-plated
Ground	Phosphor bronze, Matte tin-plated

※ Color Identification: the following alphabet shall be put,
 ex. 10056P 80 S52 - S
 80... Circuit no.
 B... Black, S... Ivory (natural color)



LEFT SIDE VIEW

P.C. Board Layout / Assembly Layout



Mini Pitch 10055 SERIES CONNECTOR



0.5 mm Pitch Board-to-Board Connector



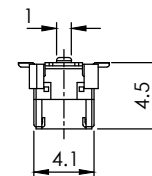
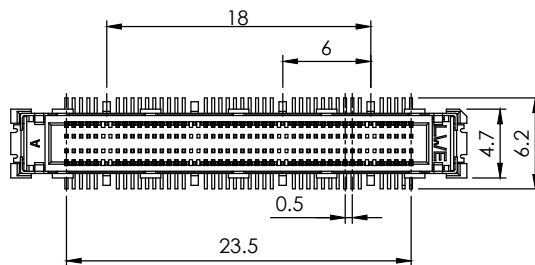
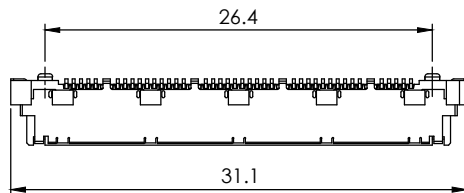
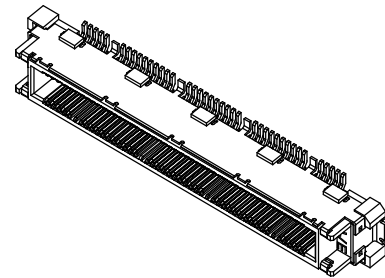
■ Specifications

- ◇ Current rating: 0.3A AC/DC
- ◇ Voltage Range: 50V AC,DC
- ◇ Withstand Voltage: 150V AC/Minute
- ◇ Contact Resistance: 50 mΩ Max. before environment test
- ◇ Insulation Resistance: 500 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

■ Reference

- ◇ Mates with 10056P series Receptacle.
- ◇ Combination staking height: 5.0 mm
- ◇ GWT 850° C rated product is available

10055P Plug Connector (with Ground)



LEFT SIDE VIEW

Ordering Information: REFLOW SOLDER SERIES

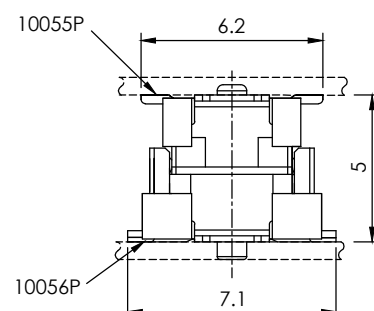
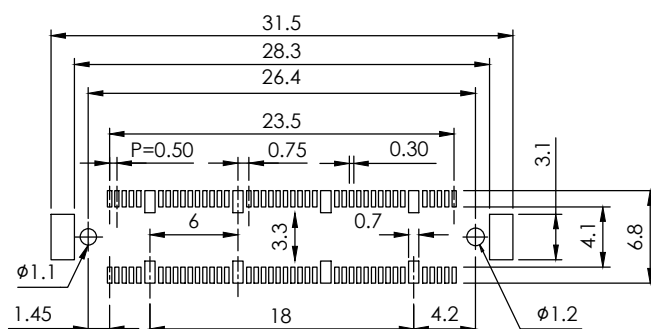
Circuits	Part No.	Solder Type	Stake Height
80	10055P80S52-S	SMT with ground	5.0

Material

Part	Material / Finish
Base	HIGH HDT Nylon-GF 94V-0, Ivory color
Contact	Phosphor bronze, 3 μ" gold-plated
Metal peg	Phosphor bronze, Matte tin-plated
Ground	Phosphor bronze, Matte tin-plated

※ Color Identification: the following alphabet shall be put,
ex. 10055P 80 S52 - S
80... Circuit no.
B... Black, S... white (natural color)

P.C. Board Layout / Assembly Layout



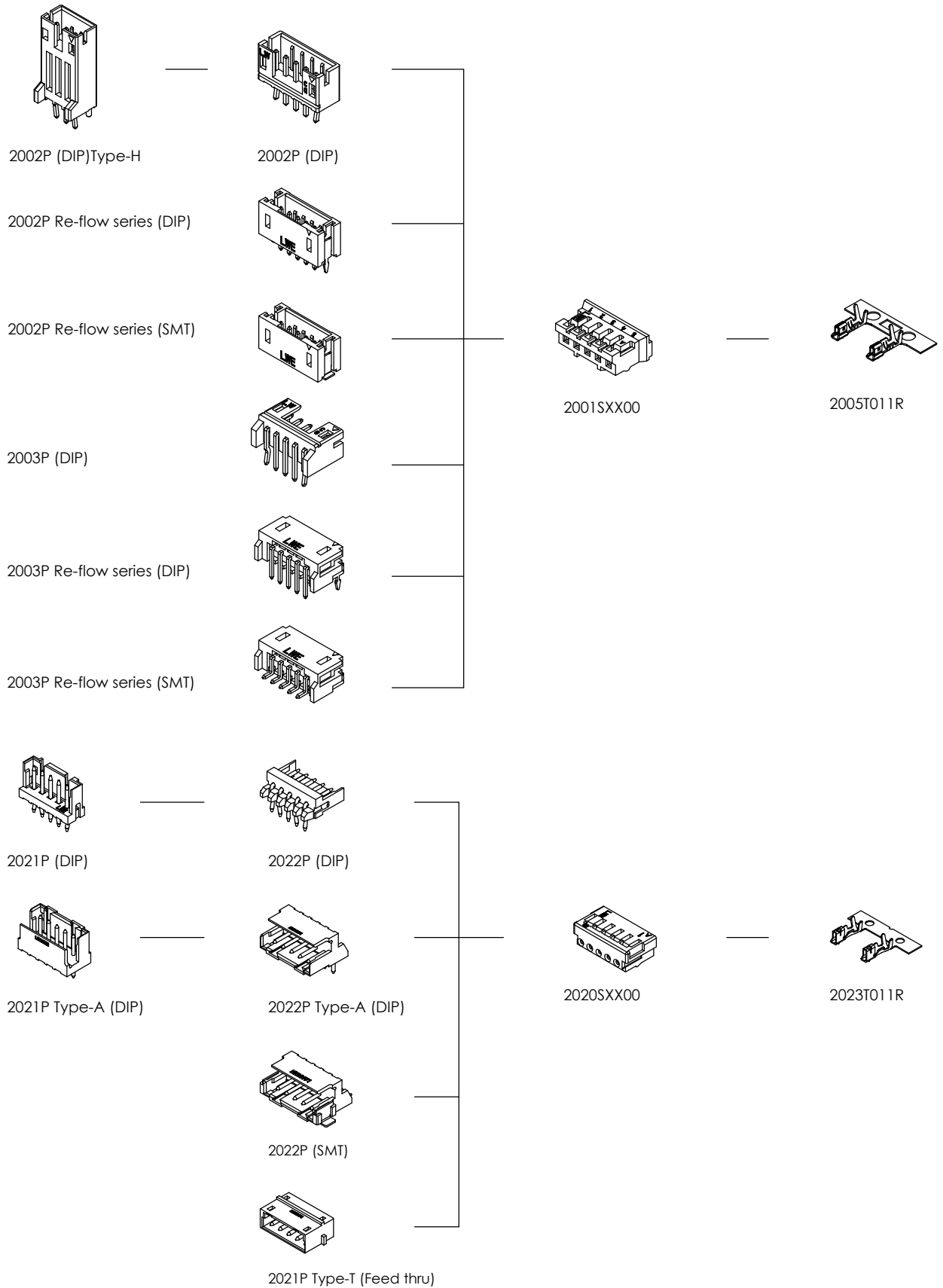
2.0 Pitch SERIES



2.0 mm Pitch Connectors - Application Overview

RoHS REACH LF HFA

Wire-to-Board / Single-Row



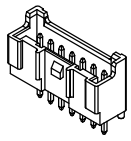
2.0 Pitch SERIES



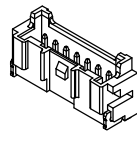
2.0 mm Pitch Connectors - Application Overview

RoHS REACH LF HFA

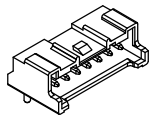
Wire-to-Board / Single-Row



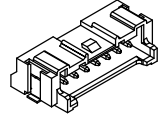
2071P (DIP)



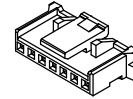
2071P (SMT)



2072P (DIP)



2072P (SMT)

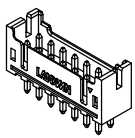


2070SXX00

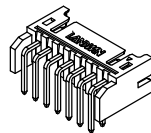


2053T011R

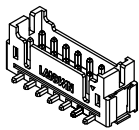
Wire-to-Board, Wire-to-Wire / Dual-Row



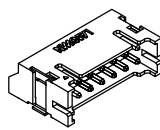
2051P (DIP)



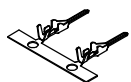
2052P (DIP)



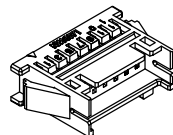
2051P (SMT)



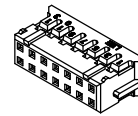
2052P (SMT)



2053TM



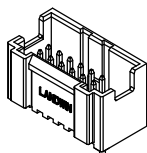
2050M



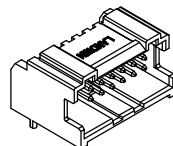
2050SXX00



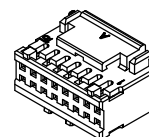
2053T011R



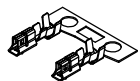
2071P (DIP)



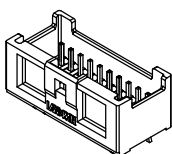
2072P (DIP)



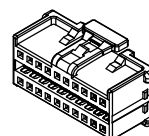
2070SXXD0



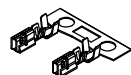
2005T211R



2071P Type-B (DIP)



2070S Type-B



2005T311R

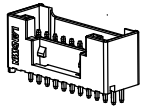
2.0 Pitch SERIES



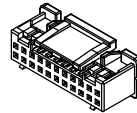
2.0 mm Pitch Connectors - Application Overview

RoHS REACH LF HFA

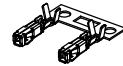
Wire-to-Board / Dual-Row



2071P Type-P (DIP)

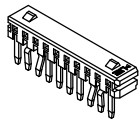


2070S Type-P

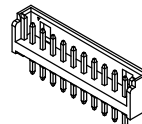


2073TP21R

Board-to-Board / Single-Row

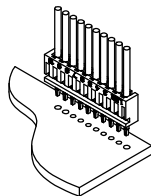


2030R (DIP)

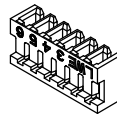


2031P (DIP)

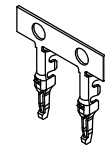
Board-In / Single-Row



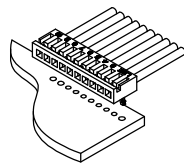
ASSEMBLY VIEW



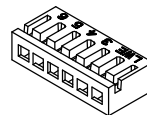
2008S (STRAIGHT VIEW)



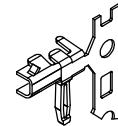
2009T



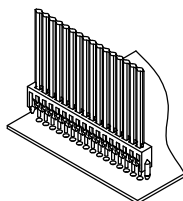
ASSEMBLY VIEW



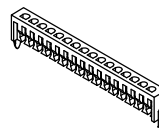
2008S (RIGHT-ANGLE VIEW)



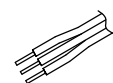
2019T



ASSEMBLY VIEW



2060S



UL 2651 RIBBON CABLE

2.0 Pitch 2001 SERIES CONNECTOR



2.0 mm Pitch Wire-to-Board Connector

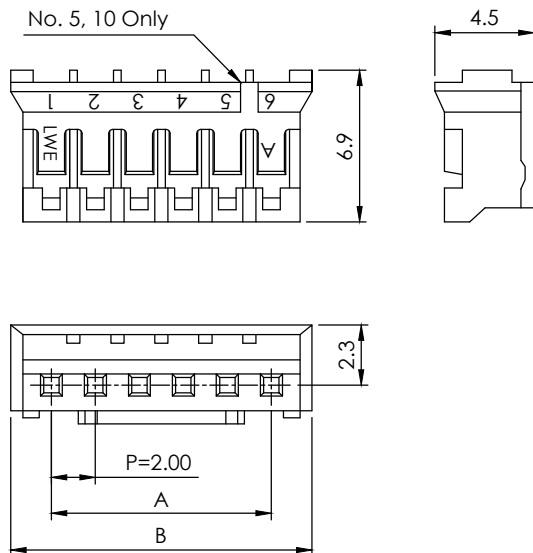


Specifications

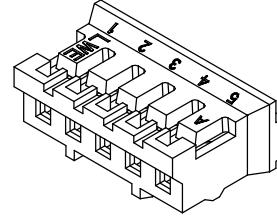
- ◇ Current rating: 2A AC/DC Max.
- ◇ Voltage Range: 100V AC,DC
- ◇ Withstand Voltage: 800V AC/Minute
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Mates with 2002P, 2003P series Single-Row Header
- ◇ Use with 2005T series Crimp Terminal
- ◇ Certifications: UL, TUV
- ◇ Applicable wire gauge: AWG 24 - 28



2001S Single-Row Plug Housing



Ordering Information

Circuits	Part No.	Dimension	
		A	B
2	2001S02 00	2.0	5.7
3	2001S03 00	4.0	7.7
4	2001S04 00	6.0	9.7
5	2001S05 00	8.0	11.7
6	2001S06 00	10.0	13.7
7	2001S07 00	12.0	15.7
8	2001S08 00	14.0	17.7
9	2001S09 00	16.0	19.7
10	2001S10 00	18.0	21.7
11	2001S11 00	20.0	23.7
12	2001S12 00	22.0	25.7
13	2001S13 00	24.0	27.7
14	2001S14 00	26.0	29.7
15	2001S15 00	28.0	31.7
16	2001S16 00	30.0	33.7

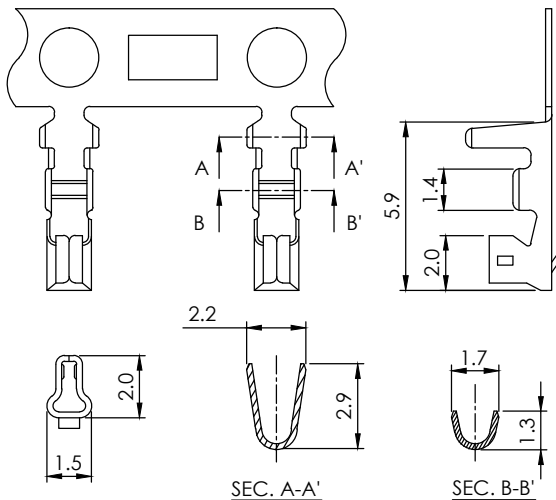
Material

Part	Material / Finish
Housing	Nylon 66 94V-0, White (natural)

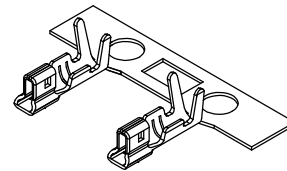
※ Color Identification: the following alphabet shall be put
 ex. 2001S16 00-B
 16... Circuit no., B... Black, R... Red, M... Green, E... Blue, W... Brown
 Y... Yellow, P... pink, D... Orange, H... Gray

Reference

- ◇ Use with 2001S series Plug Housing



2005T Crimp Terminal



Ordering Information

Part No.	Applicable Wire		
	AWG #	Insulation O.D. mm	Q'ty / Reel
2005T011R	24 - 28	1.6 Max.	10,000

Material

Part No.	Material
2005T011R	Phosphor Bronze Tin-Plated

2.0 Pitch 2001 SERIES CONNECTOR



2.0 mm Pitch Wire-to-Board Connector



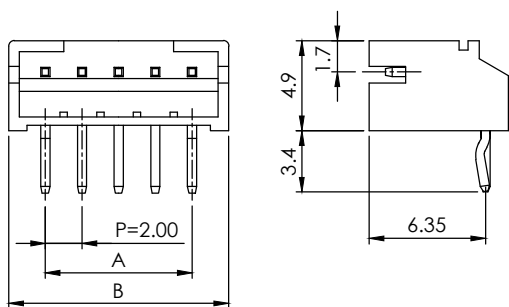
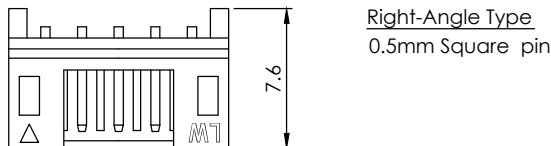
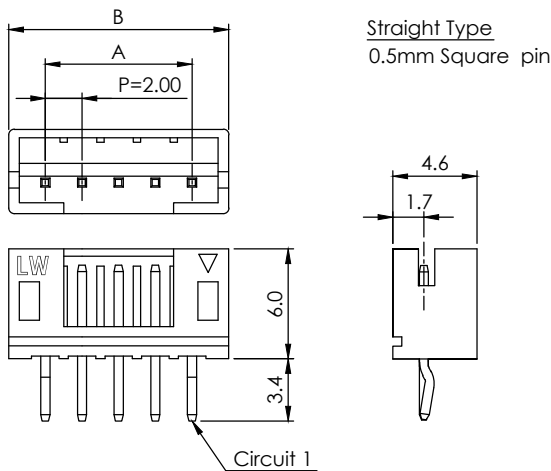
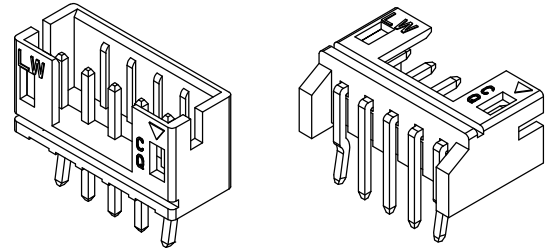
Specifications

- ◇ Current rating: 2A AC/DC Max.
- ◇ Voltage Range: 100V AC,DC
- ◇ Withstand Voltage: 800V AC/Minute
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Mates with 2001S series Single-Row Plug Housing
- ◇ Certifications: UL, TUV
- ◇ GWT 750° C rated product is available

2002P, 2003P DIP Header



Ordering Information

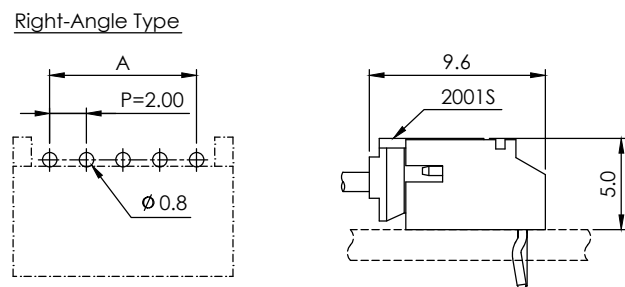
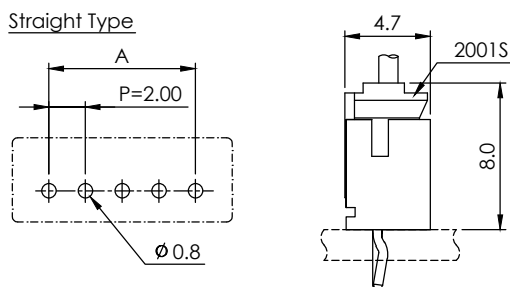
Circuits	Part No.		Dimension	
	Straight	Right-Angle	A	B
2	2002P02 00T	2003P02 00T	2.0	6.0
3	2002P03 00T	2003P03 00T	4.0	8.0
4	2002P04 00T	2003P04 00T	6.0	10.0
5	2002P05 00T	2003P05 00T	8.0	12.0
6	2002P06 00T	2003P06 00T	10.0	14.0
7	2002P07 00T	2003P07 00T	12.0	16.0
8	2002P08 00T	2003P08 00T	14.0	18.0
9	2002P09 00T	2003P09 00T	16.0	20.0
10	2002P10 00T	2003P10 00T	18.0	22.0
11	2002P11 00T	2003P11 00T	20.0	24.0
12	2002P12 00T	2003P12 00T	22.0	26.0
13	2002P13 00T	2003P14 00T	24.0	28.0
14	2002P14 00T	2003P14 00T	26.0	30.0
15	2002P15 00T	2003P15 00T	28.0	32.0
16	2002P16 00T	2003P16 00T	30.0	34.0

Material

Part	Material / Finish
Base	Nylon 66 94V-0, White (natural)
Contact	Brass, Re-flow fin-plated

※ Color Identification: the following alphabet shall be put
 ex. 2002P16 00T - B
 ex. 2003P16 00T - B
 16... Circuit no., B... Black, R... Red, M... Green, E... Blue, W... Brown
 Y... Yellow, P... pink, D... Orange, H... Gray

P.C. Board Layout / Assembly Layout



2.0 Pitch 2001 SERIES CONNECTOR



2.0 mm Pitch Wire-to-Board Connector



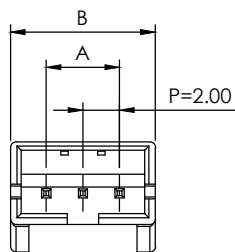
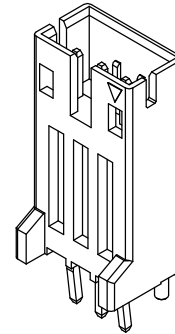
2002P DIP Header (Type H)

Specifications

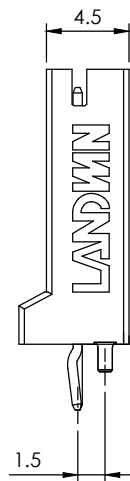
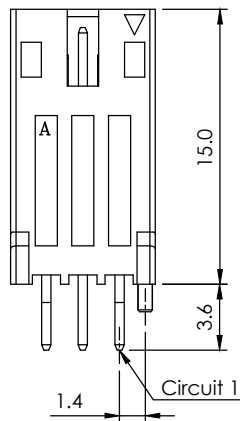
- ◇ Current rating: 2A AC/DC Max.
- ◇ Voltage Range: 100V AC,DC
- ◇ Withstand Voltage: 800V AC/Minute
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Mates with 2001S series Single-Row Plug Housing
- ◇ Certifications: refer to 2001S series
- ◇ GWT 750° C rated product is available



Straight Type
0.5mm Square pin



Ordering Information

Circuits	Part No.	Dimension	
		A	B
2	2002P02 H0T	2.0	5.9
3	2002P03 H0T	4.0	7.9

Material

Part	Material / Finish
Base	Nylon 66 94V-0, White (natural)
Contact	Brass, Tin-plated

※ Color Identification: the following alphabet shall be put

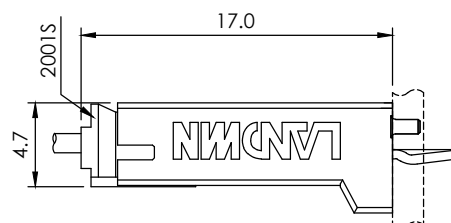
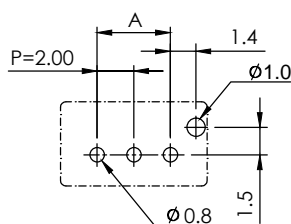
ex. 2003P03 H0T - B

03... Circuit no., B... Black, R... Red, M... Green, E... Blue, W... Brown

Y... Yellow, P... pink, D... Orange, H... Gray

P.C. Board Layout / Assembly Layout

Straight Type



2.0 Pitch 2001 SERIES CONNECTOR



2.0 mm Pitch Wire-to-Board Connector



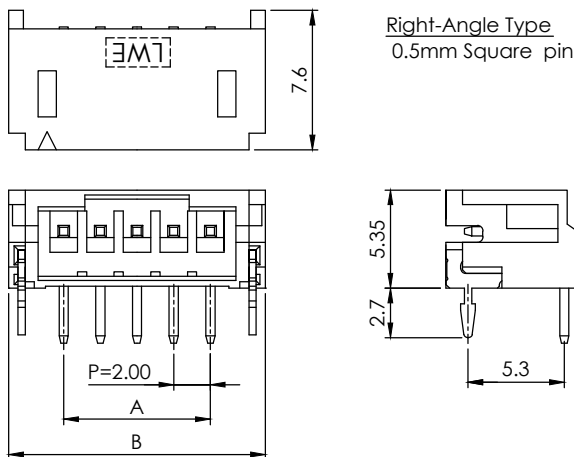
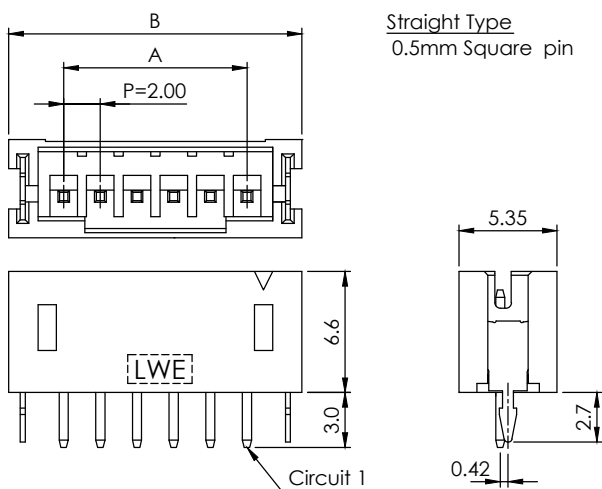
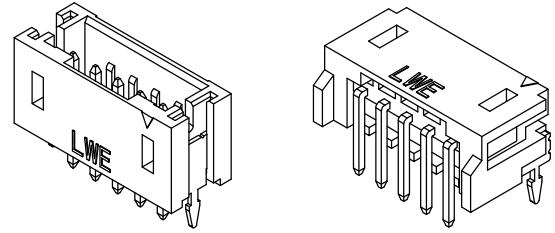
Specifications

- ◇ Current rating: 2A AC/DC Max.
- ◇ Voltage Range: 100V AC,DC
- ◇ Withstand Voltage: 800V AC/Minute
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Mates with 2001S series Single-Row Plug Housing
- ◇ Certifications: refer to 2001S series
- ◇ GWT 850° C rated product is available

2002P, 2003P DIP Header



Ordering Information REFLOW SOLDER SERIES

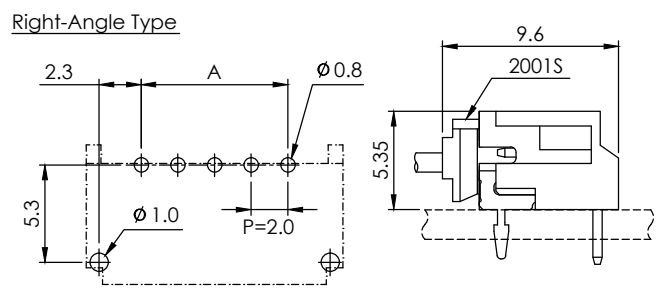
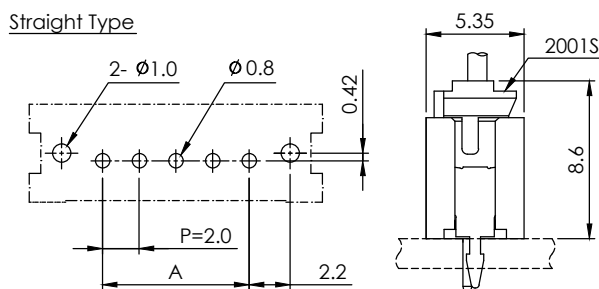
Circuits	Part No.		Dimension	
	Straight	Right-Angle	A	B
2	2002P02 B4T	2003P02 B4T	2.0	8.0
3	2002P03 B4T	2003P03 B4T	4.0	10.0
4	2002P04 B4T	2003P04 B4T	6.0	12.0
5	2002P05 B4T	2003P05 B4T	8.0	14.0
6	2002P06 B4T	2003P06 B4T	10.0	16.0
7	2002P07 B4T	2003P07 B4T	12.0	18.0
8	2002P08 B4T	2003P08 B4T	14.0	20.0
9	2002P09 B4T	2003P09 B4T	16.0	22.0
10	2002P10 B4T	2003P10 B4T	18.0	24.0
11	2002P11 B4T	2003P11 B4T	20.0	26.0
12	2002P11 B4T	2003P12 B4T	22.0	28.0
13	2002P13 B4T	2003P13 B4T	24.0	30.0
14	2002P14 B4T	2003P14 B4T	26.0	32.0
15	2002P15 B4T	2003P15 B4T	28.0	34.0

Material

Part	Material / Finish
Base	HIGH HDT Nylon-GF 94V-0, Ivory color
Contact	Brass, Re-flow tin-plated
Metal Peg	Brass, Matte tin-plated

※ Color Identification: the following alphabet shall be put
 ex. 2002P16 B4T - B
 ex. 2003P16 B4T - B
 16... Circuit no., B... Black, R... Red, E... Blue

P.C. Board Layout / Assembly Layout



2.0 Pitch 2001 SERIES CONNECTOR



2.0 mm Pitch Wire-to-Board Connector



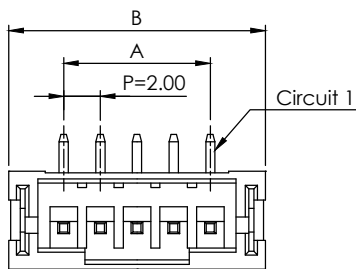
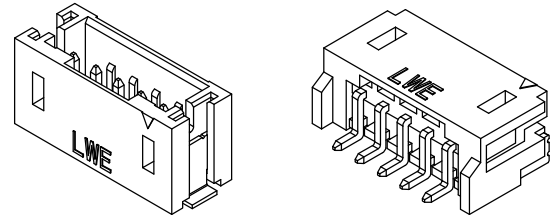
Specifications

- ◇ Current rating: 2A AC/DC Max.
- ◇ Voltage Range: 100V AC,DC
- ◇ Withstand Voltage: 800V AC/Minute
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

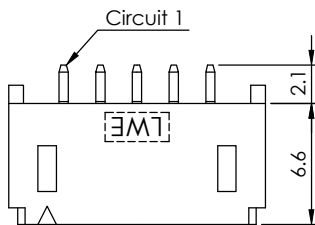
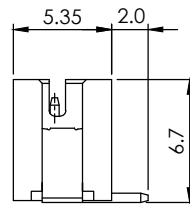
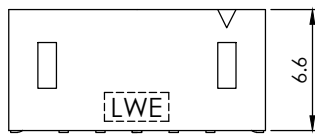
Reference

- ◇ Mates with 2001S series Single-Row Plug Housing
- ◇ Certifications: refer to 2001S series
- ◇ GWT 850° C rated product is available

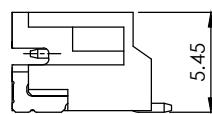
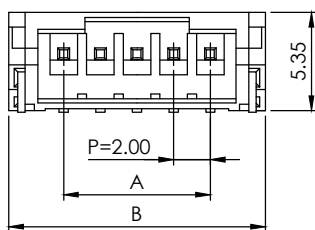
2002P, 2003P SMT Header



Straight Type
0.5mm Square pin



Right-Angle Type
0.5mm Square pin



Ordering Information REFLOW SOLDER SERIES

Circuits	Part No.		Dimension	
	Straight	Right-Angle	A	B
2	2002P02 S0T	2003P02 S0T	2.0	8.0
3	2002P03 S0T	2003P03 S0T	4.0	10.0
4	2002P04 S0T	2003P04 S0T	6.0	12.0
5	2002P05 S0T	2003P05 S0T	8.0	14.0
6	2002P06 S0T	2003P06 S0T	10.0	16.0
7	2002P07 S0T	2003P07 S0T	12.0	18.0
8	2002P08 S0T	2003P08 S0T	14.0	20.0
9	2002P09 S0T	2003P09 S0T	16.0	22.0
10	2002P10 S0T	2003P10 S0T	18.0	24.0
11	2002P11 S0T	2003P11 S0T	20.0	26.0
12	2002P12 S0T	2003P12 S0T	22.0	28.0
13	2002P13 S0T	2003P13 S0T	24.0	30.0
14	2002P14 S0T	2003P14 S0T	26.0	32.0
15	2002P15 S0T	2003P15 S0T	28.0	34.0

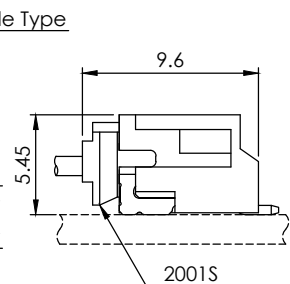
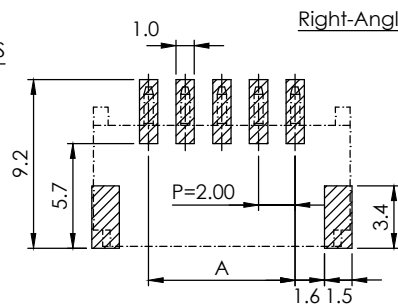
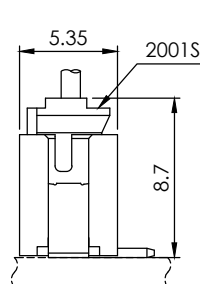
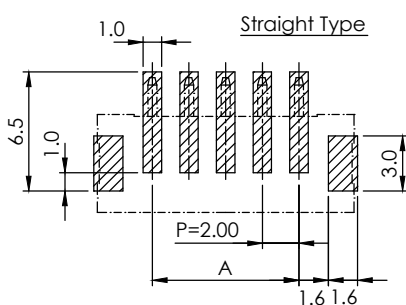
Material

Part	Material / Finish
Base	HIGH HDT Nylon-GF 94V-0, Ivory color
Contact	Brass, Re-flow tin-plated
Peg	Brass, Matte tin-plated

※ Color Identification: the following alphabet shall be put
 ex. 2002P16 S0T - B
 ex. 2003P16 S0T - B
 16... Circuit no., B... Black, R... Red , E... Blue

※ SMT Embossed Tape Packing Information:
 Q' ty per 330 mm Dia. Panel: 700 PCS/Reel (2002P)
 Q' ty per 330 mm Dia. Panel: 900 PCS/Reel (2003P)

P.C. Board Layout / Assembly Layout



2.0 Pitch 2020 SERIES CONNECTOR



2.0 mm Pitch Wire-to-Board Connector

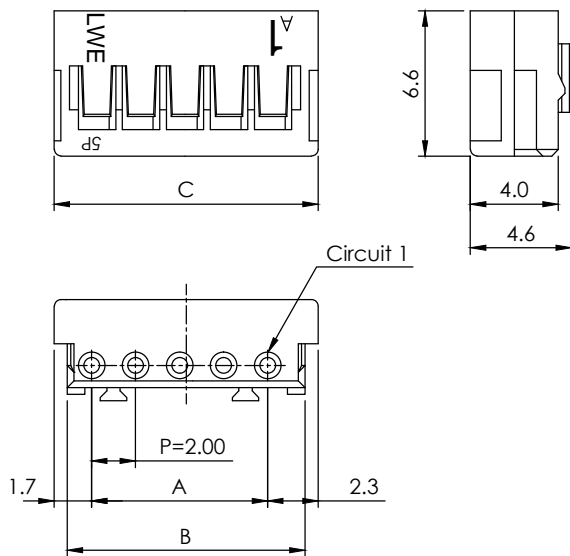


Specifications

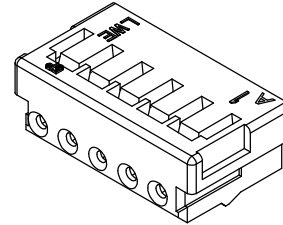
- ◇ Current rating: 4A AC/DC Max.
- ◇ Voltage Range: 125V AC,DC
- ◇ Withstand Voltage: 1000V AC/Minute
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Mates with 2021P, 2022P series Single-Row Header
- ◇ Use with 2023T series Crimp Terminal
- ◇ Certifications: UL
- ◇ Applicable wire gauge: AWG 22 - 26



2020S Single-Row Plug Housing



Ordering Information

Circuits	Part No.	Dimension		
		A	B	C
2	2020S0200	2.0	4.8	6.0
3	2020S0300	4.0	6.8	8.0
4	2020S0400	6.0	8.8	10.0
5	2020S0500	8.0	10.8	12.0
6	2020S0600	10.0	12.8	14.0
7	2020S0700	12.0	14.8	16.0
8	2020S0800	14.0	16.8	18.0
9	2020S0900	16.0	18.8	20.0
10	2020S1000	18.0	20.8	22.0
11	2020S1100	20.0	22.8	24.0
12	2020S1200	22.0	24.8	26.0
13	2020S1300	24.0	26.8	28.0
14	2020S1400	26.0	28.8	30.0
15	2020S1500	28.0	30.8	32.0

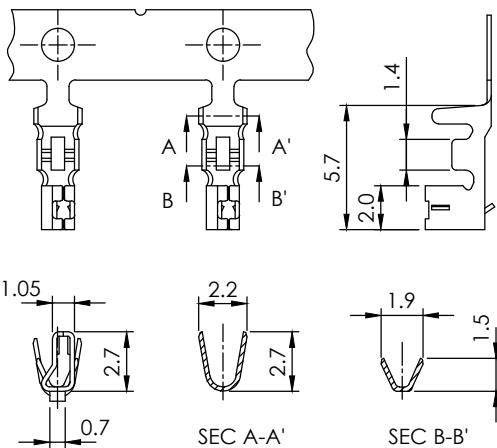
Material

Part	Material / Finish
Housing	Nylon 66 94V-0, White (natural)

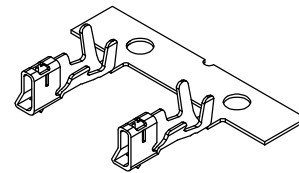
※ Color Identification: the following alphabet shall be put
 ex. 2020S15 00- B
 16... Circuit no.,
 B... Black, R... Red, M... Green, E... Blue, W... Brown

Reference

- ◇ Use with 2020S series Single-row Plug Housing



2023T Crimp Terminal



Ordering Information

Part No.	Applicable Wire		
	AWG #	Insulation O.D. mm	Q'ty / Reel
2023T011R	22 - 26	1.5 Max.	6,000

Material

Part No.	Material
2023T011R	Phosphor Bronze Tin-Plated

2.0 Pitch 2020 SERIES CONNECTOR



2.0 mm Pitch Wire-to-Board Connector



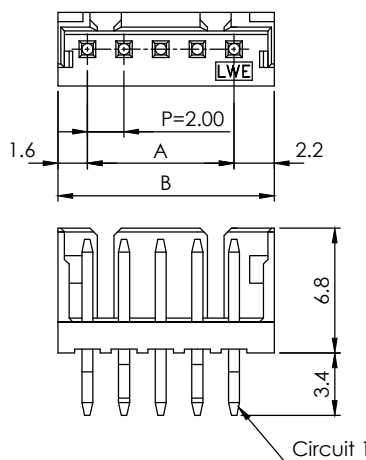
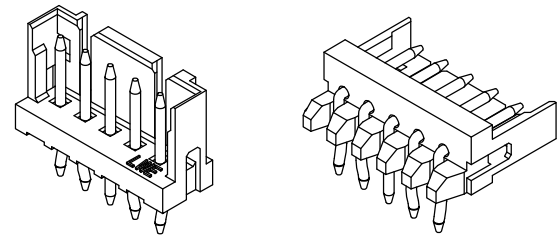
Specifications

- ◇ Current rating: 4A AC/DC Max.
- ◇ Voltage Range: 125V AC,DC
- ◇ Withstand Voltage: 1000V AC/Minute
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

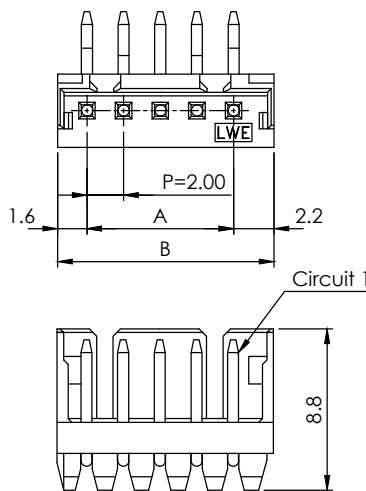
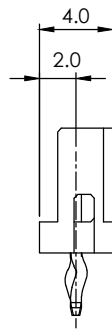
Reference

- ◇ Mates with 2020S series Single-Row Plug Housing
- ◇ Certifications: UL
- ◇ GWT 750° C rated product is available

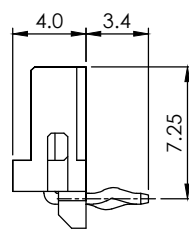
2021P, 2022P DIP Header



Straight Type
0.6mm Round Pin



Right-Angle Type
0.6mm Round Pin



Ordering Information

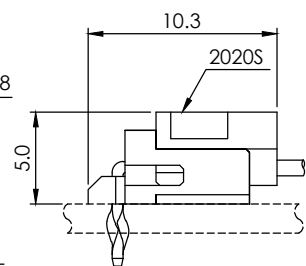
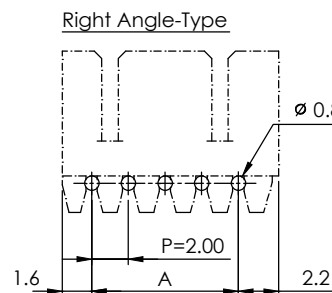
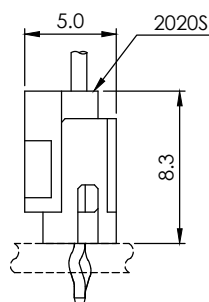
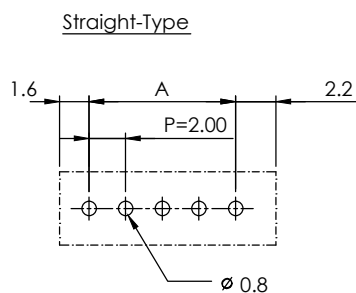
Circuits	Part No.		Dimension	
	Straight	Right-Angle	A	B
2	2021P0200T	2022P0200T	2.0	5.8
3	2021P0300T	2022P0300T	4.0	7.8
4	2021P0400T	2022P0400T	6.0	9.8
5	2021P0500T	2022P0500T	8.0	11.8
6	2021P0600T	2022P0600T	10.0	13.8
7	2021P0700T	2022P0700T	12.0	15.8
8	2021P0800T	2022P0800T	14.0	17.8
9	2021P0900T	2022P0900T	16.0	19.8
10	2021P1000T	2022P1000T	18.0	21.8
11	2021P1100T	2022P1100T	20.0	23.8
12	2021P1200T	2022P1200T	22.0	25.8
13	2021P1300T	2022P1300T	24.0	27.8
14	2021P1400T	2022P1400T	26.0	29.8
15	2021P1500T	2022P1500T	28.0	31.8

Material

Part	Material / Finish
Base	Nylon 66 94V-0, White (natural)
Contact	Brass, Re-flow tin-plated

※ Color Identification: the following alphabet shall be put,
 ex. 2021P15 00T- B
 ex. 2022P15 00T- B
 15... Circuit no.,
 B... Black, R... Red, M... Green, E... Blue, W... Brown color

P.C. Board Layout / Assembly Layout



2.0 Pitch 2020 SERIES CONNECTOR



2.0 mm Pitch Wire-to-Board Connector



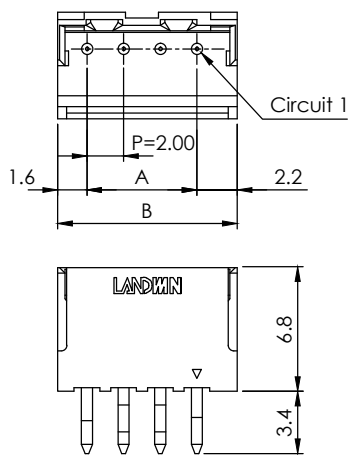
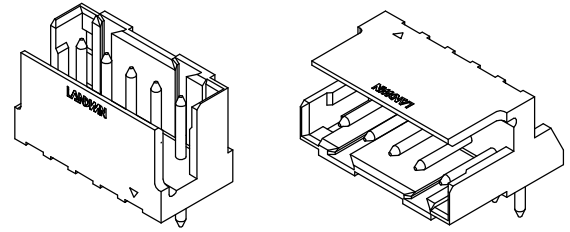
Specifications

- ◇ Current rating: 4A AC/DC Max.
- ◇ Voltage Range: 125V AC,DC
- ◇ Withstand Voltage: 1000V AC/Minute
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

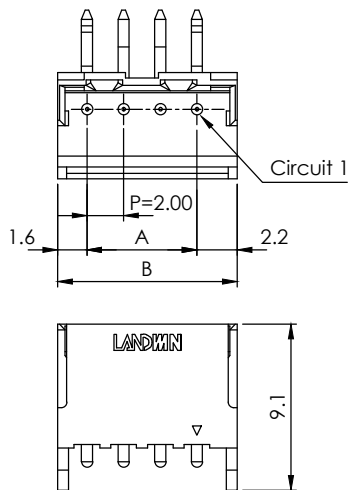
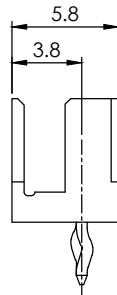
Reference

- ◇ Mates with 2020S series Single-Row Plug Housing
- ◇ Certifications: refer to 2020S series
- ◇ GWT 750° C rated product is available

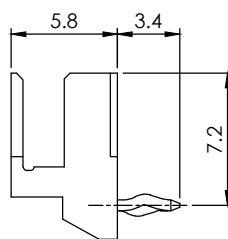
2021P, 2022P DIP Header



Straight Type
0.6mm Round Pin



Right-Angle Type
0.6mm Round Pin



Ordering Information

Circuits	Part No.		Dimension	
	Straight	Right-Angle	A	B
2	2021P02C0T	2022P02C0T	2.0	5.8
3	2021P03C0T	2022P03C0T	4.0	7.8
4	2021P04C0T	2022P04C0T	6.0	9.8
5	2021P05C0T	2022P05C0T	8.0	11.8
6	2021P06C0T	2022P06C0T	10.0	13.8

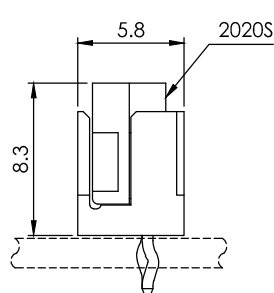
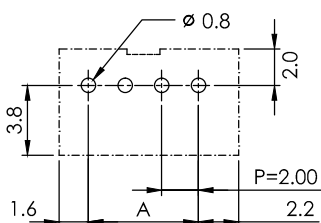
Material

Part	Material / Finish
Base	Nylon 66 94V-0, White (natural)
Contact	Brass, Re-flow tin-plated

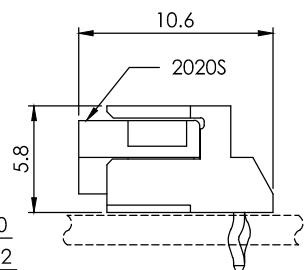
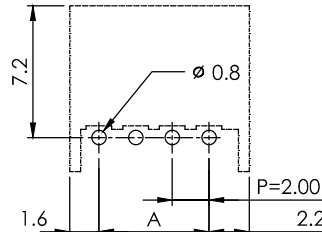
※ Color Identification: the following alphabet shall be put,
 ex. 2022P15 C0T- B
 ex. 2023P15 C0T- B
 15... Circuit no.
 B... Black, R... Red, M... Green, E... Blue, W... Brown
 Y... Yellow, P... pink, D... Orange, H... Gray

P.C. Board Layout / Assembly Layout

Straight Type



Right-Angle Type



2.0 Pitch 2020 SERIES CONNECTOR



2.0 mm Pitch Wire-to-Board Connector



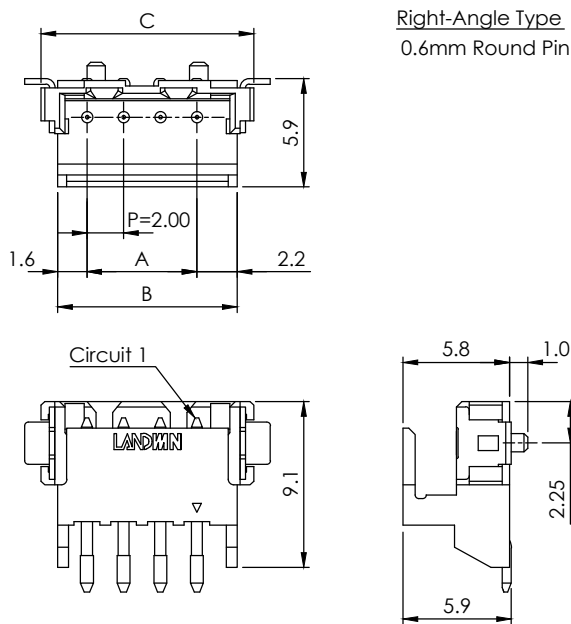
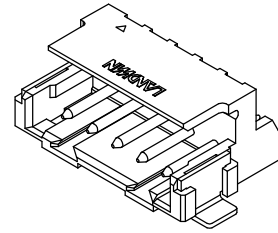
Specifications

- ◇ Current rating: 4A AC/DC Max.
- ◇ Voltage Range: 125V AC,DC
- ◇ Withstand Voltage: 1000V AC/Minute
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Mates with 2020S series Single-Row Plug Housing
- ◇ Certifications: refer to 2020S series
- ◇ GWT 850° C rated product is available

2022P SMT Header



Ordering Information REFLOW SOLDER SERIES

Circuits	Part No.		Dimension		
	Black color	Ivory color	A	B	C
2	2022P02S9T-B	2022P02S9T-S	2.0	5.8	7.6
3	2022P03S9T-B	2022P03S9T-S	4.0	7.8	9.6
4	2022P04S9T-B	2022P04S9T-S	6.0	9.8	11.6
5	2022P05S9T-B	2022P05S9T-S	8.0	11.8	13.6
6	2022P06S9T-B	2022P06S9T-S	10.0	13.8	15.6
7	2022P07S9T-B	2022P07S9T-S	12.0	15.8	17.6
8	2022P08S9T-B	2022P08S9T-S	14.0	17.8	19.6
9	2022P09S9T-B	2022P09S9T-S	16.0	19.8	21.6
10	2022P10S9T-B	2022P10S9T-S	18.0	21.8	23.6
11	2022P11S9T-B	2022P11S9T-S	20.0	23.8	25.6
12	2022P12S9T-B	2022P12S9T-S	22.0	25.8	27.6
13	2022P13S9T-B	2022P13S9T-S	24.0	27.8	29.6
14	2022P14S9T-B	2022P14S9T-S	26.0	29.8	31.6
15	2022P15S9T-B	2022P15S9T-S	28.0	31.8	33.6

Material

Part	Material / Finish
Base	HIGH HDT Nylon-GF 94V-0
Contact	Brass, Re-flow tin-plated
Metal peg	Brass, Matte tin-plated

※ Color Identification: the following alphabet shall be put,

ex. 2021P15 S9 T - B

ex. 2022P15 S9 T - B

15... Circuit no., B... Black, R... Red, E... Blue

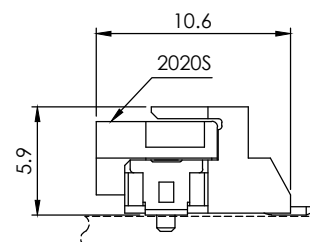
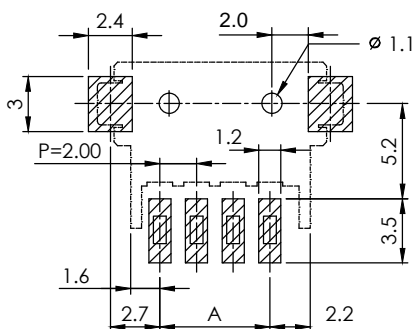
T... Tin-plated (Reflow), 1... Gold flash-plated

※ SMT Embossed Tape Packing Information:

Q' ty per 330 mm Dia. Panel: 500 PCS/Reel

※ Contact sales for more available P/N up to date.

P.C. Board Layout / Assembly Layout



2.0 Pitch 2020 SERIES CONNECTOR



2.0 mm Pitch Wire-to-Wire Connector



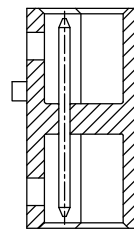
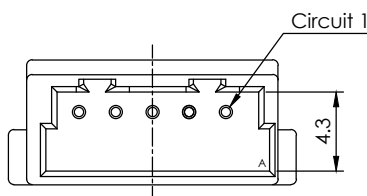
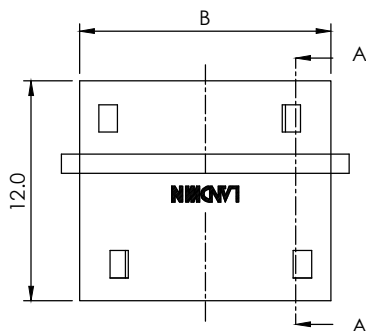
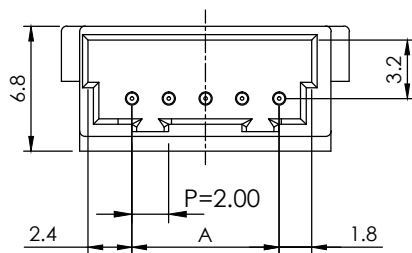
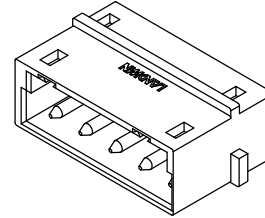
■ Specifications

- ◇ Current rating: 4A AC/DC Max.
- ◇ Voltage Range: 125V AC,DC
- ◇ Withstand Voltage: 1000V AC/Minute
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

■ Reference

- ◇ Mates with 2020S series Single-Row Plug Housing
- ◇ Certifications: refer to 2020S series
- ◇ GWT 750° C rated product is available

2021P DIP Header (Feed Through)



Feed-through Type
0.6mm Round Pin

Ordering Information

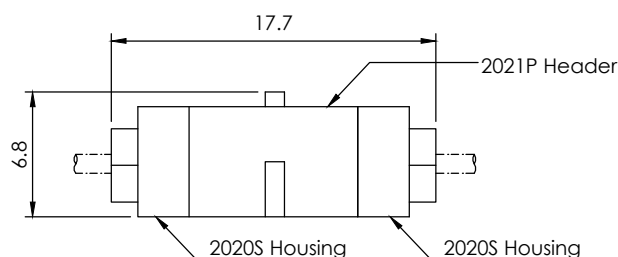
Circuits	Part No.	Dimension	
		A	B
2	2021P02T0T	2.0	7.7
3	2021P03T0T	4.0	9.7
4	2021P04T0T	6.0	11.7
5	2021P05T0T	8.0	13.7
6	2021P06T0T	10.0	15.7

Material

Part	Material / Finish
Base	Nylon 66 94V-0, White (natural)
Contact	Brass, Re-flow tin-plated

※ Color Identification: the following alphabet shall be put,
ex. 2021P06 T0T- B
06... Circuit no., B... Black, R... Red, M... Green, E... Blue, W... Brown
Y... Yellow, P... pink, D... Orange, H... Gray

P.C. Board Layout / Assembly Layout



2.0 Pitch 2050 SERIES CONNECTOR



2.0 mm Pitch Wire-to-Board Connector

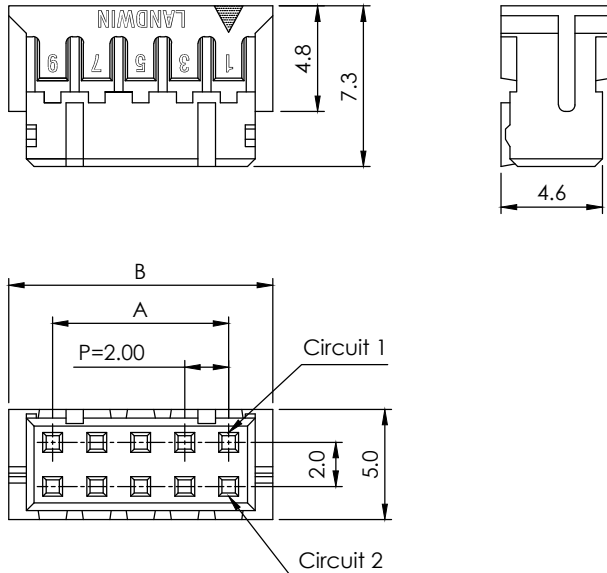


Specifications

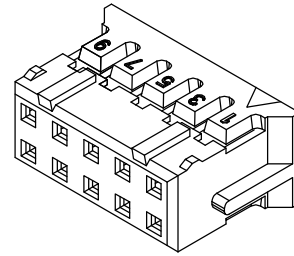
- ◇ Current rating: 3A AC/DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 800V AC/Minute
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Mates with 2051P, 2052P series Dual-Row Header
- ◇ Use with 2053T crimp terminal
- ◇ Certifications: UL
- ◇ Applicable wire gauge: AWG 24 - 28
- Special applied wire gauge: AWG 22 - 26



2050S Dual-Row Plug Housing



Ordering Information

Circuits	Part No.	Dimension	
		A	B
8	2050S08 00	6.0	10.0
10	2050S10 00	8.0	12.0
12	2050S12 00	10.0	14.0
14	2050S14 00	12.0	16.0
16	2050S16 00	14.0	18.0
18	2050S18 00	16.0	20.0
20	2050S20 00	18.0	22.0
22	2050S22 00	20.0	24.0
24	2050S24 00	22.0	26.0
26	2050S26 00	24.0	28.0
28	2050S28 00	26.0	30.0
30	2050S30 00	28.0	32.0
32	2050S32 00	30.0	34.0
34	2050S34 00	32.0	36.0
36	2050S36 00	34.0	38.0
38	2050S38 00	36.0	40.0
40	2050S40 00	38.0	42.0

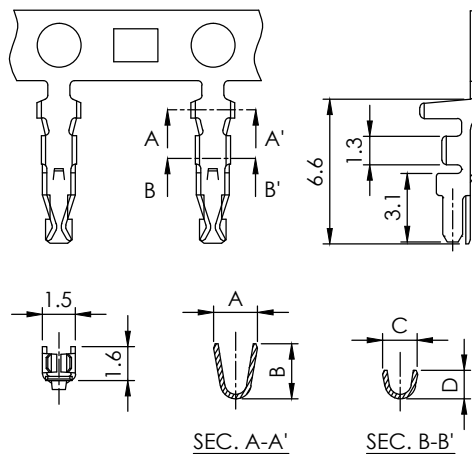
Material

Part	Material / Finish
Housing	Nylon 66 94V-0, white (natural color)

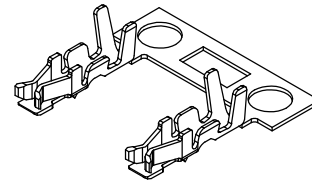
※ Color Identification: the following alphabet shall be put,
 ex. 2050S4000-B
 40... Circuit no. B... black, R... red , E... blue, H... gray

Reference

- ◇ Use with 2050S, 2070Sxx00, 2070SxxD0-SE series Plug Housing



2053T Crimp Terminal



Ordering Information

Part No.	Applicable Wire		
	AWG #	Insulation O.D. mm	Q'ty / Reel
2053T011R	24 - 28	1.5 Max.	12,000
2053T021R	22 - 26	1.5 Max.	12,000

Part No.	A	B	C	D
2053T011R	2.1	2.5	1.6	1.3
2053T021R	2.1	2.5	1.7	1.5

※ Material: Phosphor Bronze, Tin-Plated

2.0 Pitch 2050 SERIES CONNECTOR



2.0 mm Pitch Wire-to-Board Connector



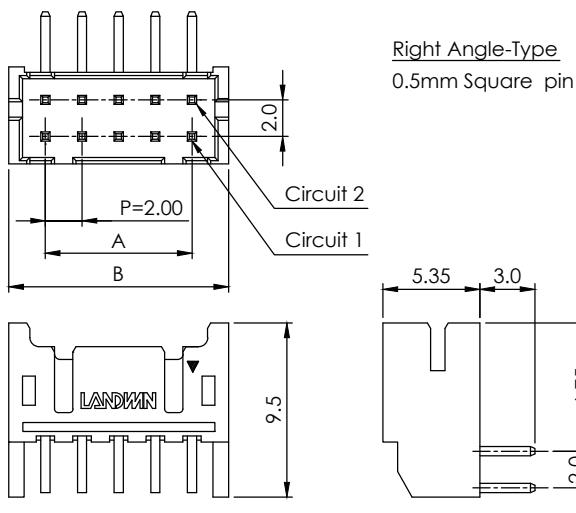
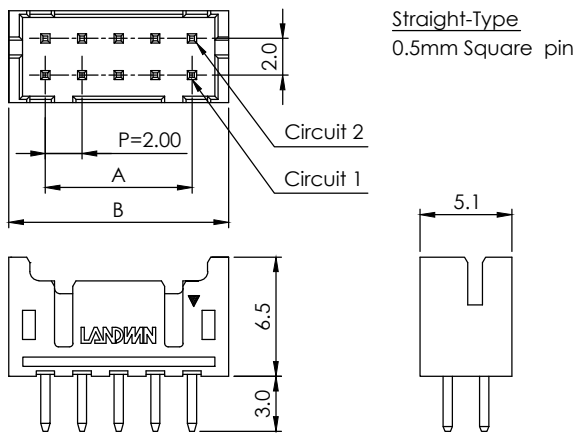
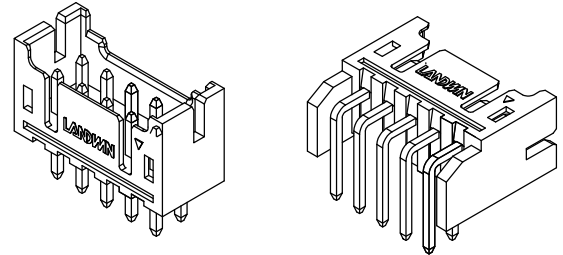
Specifications

- ◇ Current rating: 3A AC/DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 800V AC/Minute
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Mates with 2050S series Dual-Row Plug Housing
- ◇ Certifications: UL
- ◇ GWT 850° C rated product is available

2051P, 2052P Dual-Row DIP Header



Ordering Information

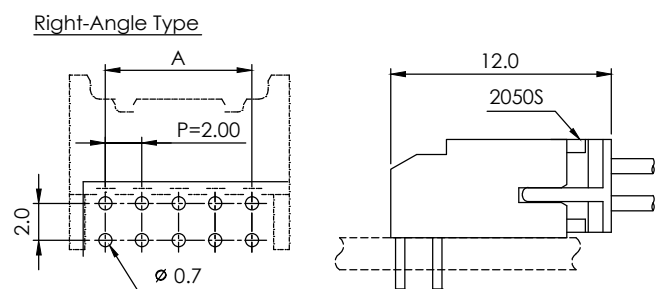
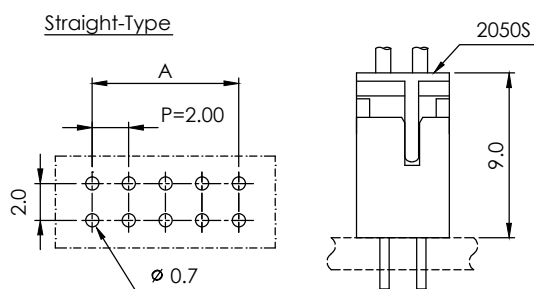
Circuits	Part No.		Dimension	
	Straight	Right-Angle	A	B
8	2051P080 OT	2052P080 OT	6.0	9.9
10	2051P100 OT	2052P100 OT	8.0	11.9
12	2052P120 OT	2052P120 OT	10.0	13.9
14	2051P140 OT	2052P140 OT	12.0	15.9
16	2051P160 OT	2052P160 OT	14.0	17.9
18	2051P180 OT	2052P180 OT	16.0	19.9
20	2051P200 OT	2052P200 OT	18.0	21.9
22	2051P220 OT	2052P220 OT	20.0	23.9
24	2051P240 OT	2052P240 OT	22.0	25.9
26	2051P260 OT	2052P260 OT	24.0	27.9
28	2051P280 OT	2052P280 OT	26.0	29.9
30	2051P300 OT	2052P300 OT	28.0	31.9
32	2051P320 OT	2052P320 OT	30.0	33.9
34	2051P340 OT	2052P340 OT	32.0	35.9
36	2051P360 OT	2052P360 OT	34.0	37.9
38	2051P380 OT	2052P380 OT	36.0	39.9
40	2051P400 OT	2052P400 OT	38.0	41.9

Material

Part	Material / Finish
Base	Glass-filled Nylon 66 94V-0, Light Ivory color
Contact	Brass, Re-flow tin-plated

※ Color Identification: the following alphabet shall be put,
 ex. 2051P4000T- B
 ex. 2052P4000T- B
 40... Circuit no. B... black, R... red, E... blue, H... gray

P.C. Board Layout / Assembly Layout



2.0 Pitch 2050 SERIES CONNECTOR



2.0 mm Pitch Wire-to-Board Connector



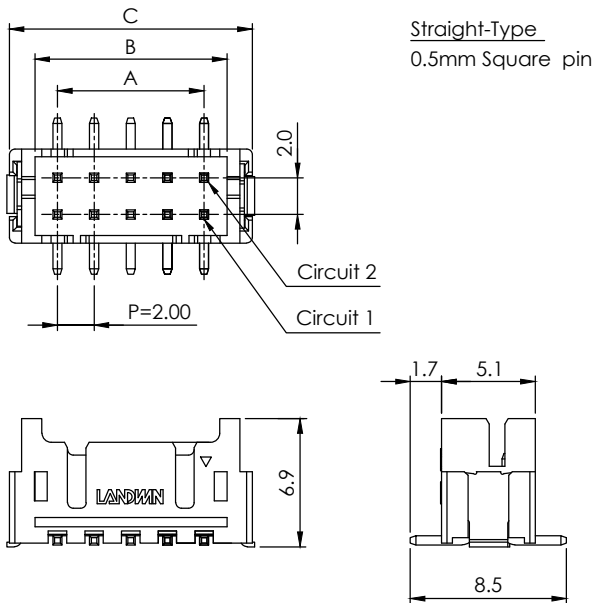
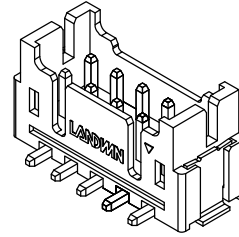
Specifications

- ◇ Current rating: 3A AC/DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 800V AC/Minute
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Mates with 2050S series Dual-Row Plug Housing
- ◇ Certifications: refer to 2050S series
- ◇ GWT 850° C rated product is available

2051P Dual-Row SMT Header



Ordering Information: REFLOW SOLDER SERIES

Circuits	Part No.	Dimension			
		A	B	C	D
8	2051P08S9T	6.0	8.5	11.25	12.1
10	2051P10S9T	8.0	10.5	13.25	14.1
12	2051P12S9T	10.0	12.5	15.25	16.1
14	2051P14S9T	12.0	14.5	17.25	18.1
16	2051P16S9T	14.0	16.5	19.25	20.1
18	2051P18S9T	16.0	18.5	21.25	22.1
20	2051P20S9T	18.0	20.5	23.25	24.1
22	2051P22S9T	20.0	22.5	25.25	26.1
24	2051P24S9T	22.0	24.5	27.25	28.1
26	2051P26S9T	24.0	26.5	29.25	30.1
28	2051P28S9T	26.0	28.5	31.25	32.1
30	2051P30S9T	28.0	30.5	33.25	34.1
32	2051P32S9T	30.0	32.5	35.25	36.1
34	2051P34S9T	32.0	34.5	37.25	38.1
36	2051P36S9T	34.0	36.5	39.25	40.1
38	2051P38S9T	36.0	38.5	41.25	42.1
40	2051P40S9T	38.0	40.5	43.25	44.1

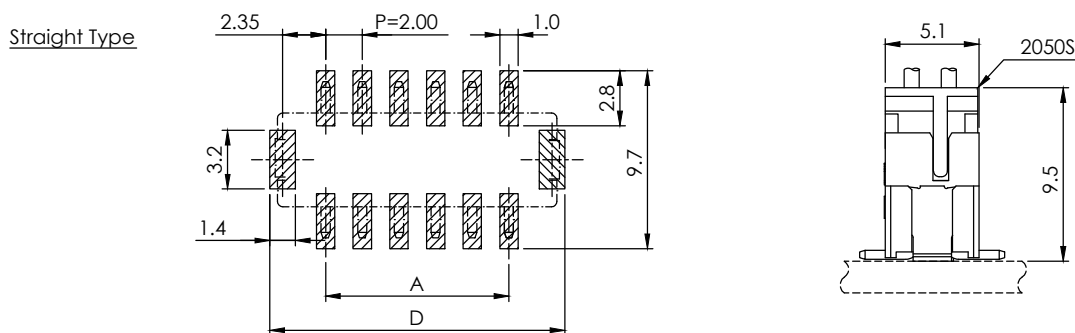
Material

Part	Material / Finish
Base	HIGH HDT Nylon 94V-0, Ivory color
Contact	Brass, Re-flow tin-plated
Metal peg	Brass, Matte tin-plated

※ Color Identification: the following alphabet shall be put,
 ex. 2051P40 S9T - B
 40... Circuit no. B... black, R... red, E... blue, H... gray

※ SMT Embossed Tape Packing Information:
 Q' ty per 330 mm Dia. Panel: 400 PCS/Reel (2051P)

P.C. Board Layout / Assembly Layout



2.0 Pitch 2050 SERIES CONNECTOR



2.0 mm Pitch Wire-to-Board Connector



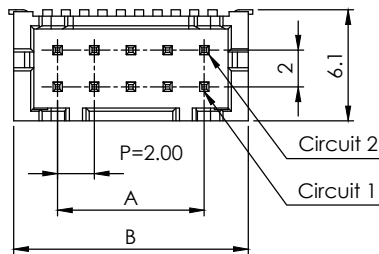
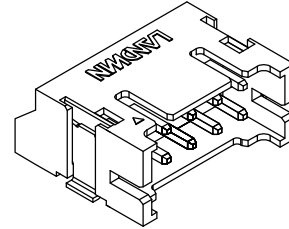
Specifications

- ◇ Current rating: 3A AC/DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 800V AC/Minute
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

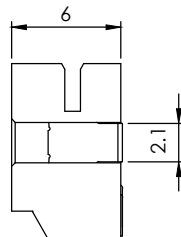
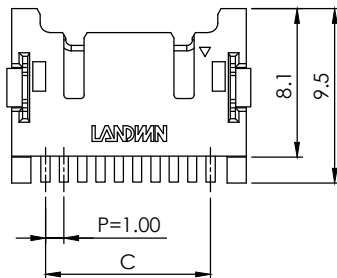
Reference

- ◇ Mates with 2050S series Dual-Row Plug Housing
- ◇ Certifications: refer to 2050S series
- ◇ GWT 850° C rated product is available

2052P Dual-Row SMT Header



Right-Angle Type
0.5mm Square
Contact Pin



Ordering Information: REFLOW SOLDER SERIES

Circuits	Part No.	Dimension			
		A	B	C	D
4	2052P04S9T	2.0	6.8	3.0	7.5
6	2052P06S9T	4.0	8.8	5.0	9.5
8	2052P08S9T	6.0	10.8	7.0	11.5
10	2052P10S9T	8.0	12.8	9.0	13.5
12	2052P12S9T	10.0	14.8	11.0	15.5
14	2052P14S9T	12.0	16.8	13.0	17.5
16	2052P16S9T	14.0	18.8	15.0	19.5
18	2052P18S9T	16.0	20.8	17.0	21.5
20	2052P20S9T	18.0	22.8	19.0	23.5
22	2052P22S9T	20.0	24.8	21.0	25.5
24	2052P24S9T	22.0	26.8	23.0	27.5
26	2052P26S9T	24.0	28.8	25.0	29.5
28	2052P28S9T	26.0	30.8	27.0	31.5
30	2052P30S9T	28.0	32.8	29.0	33.5
32	2052P32S9T	30.0	34.8	31.0	35.5
34	2052P34S9T	32.0	36.8	33.0	37.5
36	2052P36S9T	34.0	38.8	35.0	39.5
38	2052P38S9T	36.0	40.8	37.0	41.5
40	2052P40S9T	38.0	42.8	39.0	43.5

Material

Part	Material / Finish
Base	HIGH HDT Nylon 94V-0, Ivory color
Contact	Brass, Matte tin-plated

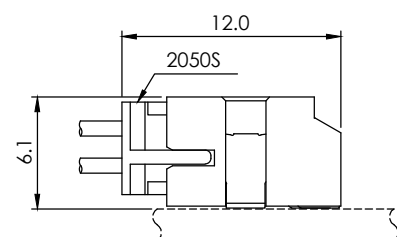
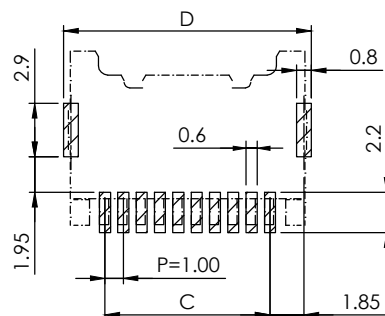
※ Color Identification: the following alphabet shall be put,
ex. 2052P40S9T- B
40... Circuit no. B... black, R... red, E... blue, H... gray

※ P/N for Halogen-Free replacement:
ex. 2052P40S9T-S NH
-S... Ivory (natural color) NH... Halogen-Free

※ SMT Embossed Tape Packing Information:
Q' ty per 330 mm Dia. Panel: 500 PCS/Reel (2052P)

P.C. Board Layout / Assembly Layout

Right-Angle Type



2.0 Pitch 2050 SERIES CONNECTOR



2.0 mm Pitch Wire-to-Wire Connector

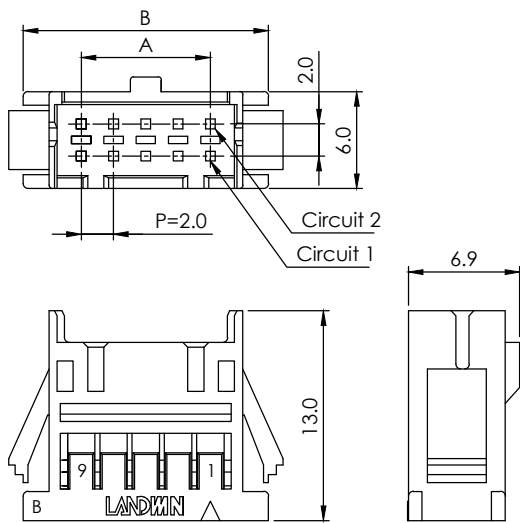


Specifications

- ◇ Current rating: 3A AC/DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 800V AC/Minute
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

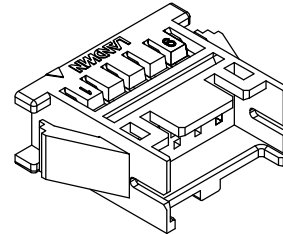
Reference

- ◇ Mates with 2050S series Dual-Row Plug Housing
- ◇ Use with 2053TM series crimp terminal
- ◇ Certifications: refer to 2050S series
- ◇ GWT 750° C rated product is available
- ◇ Applicable wire gauge: AWG 24 - 28



※ Color Identification: the following alphabet shall be put, ex. 2050M40 B0 - B
40... Circuit no. B... black, R... red, E... blue, W... brown

2050M Dual-Row Receptacle Housing (Male Housing)



Ordering Information

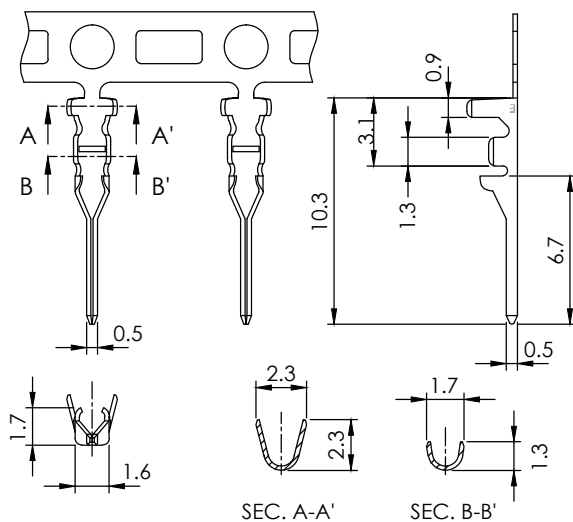
Circuits	Part No.	Dimension	
		A	B
04	2050M04B0-B	2.0	9.2
06	2050M06B0-B	4.0	11.2
08	2050M08B0-B	6.0	13.2
10	2050M10B0-B	8.0	15.2
12	2050M12B0-B	10.0	17.2
14	2050M14B0-B	12.0	19.2
16	2050M16B0-B	14.0	21.2
18	2050M18B0-B	16.0	23.2
20	2050M20B0-B	18.0	25.2
22	2050M22B0-B	20.0	27.2
24	2050M24B0-B	22.0	29.2
26	2050M26B0-B	24.0	31.2
28	2050M28B0-B	26.0	33.2
30	2050M30B0-B	28.0	35.2
32	2050M32B0-B	30.0	37.2
34	2050M34B0-B	32.0	39.2
36	2050M36B0-B	34.0	41.2
38	2050M38B0-B	36.0	43.2
40	2050M40B0-B	38.0	45.2

Material

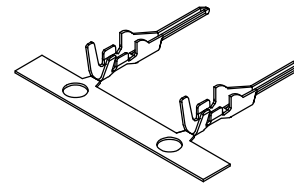
Part	Material / Finish
Housing	Nylon 66 94V-0, black

Reference

- ◇ Use with 2050M series Dual-row Receptacle Housing



2053TM Crimp Terminal



Ordering Information

Part No.	Applicable Wire		
	AWG #	Insulation O.D. mm	Q'ty / Reel
2053TM11R	24 - 28	1.45 Max.	10,000

Material

Part No.	Material / Finish
2053TM11R	Phosphor Bronze Tin-Plated

2.0 Pitch 2070 SERIES CONNECTOR



2.0 mm Pitch Wire-to-Board Connector

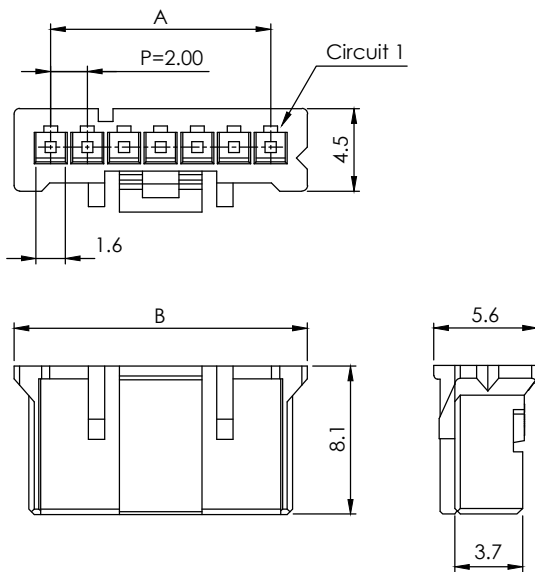


Specifications

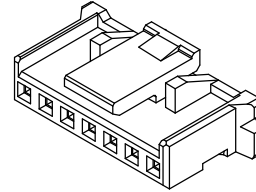
- ◇ Current rating: 3A AC/DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 800V AC/Minute
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Mates with 2071PxxA3T, 2072PxxA3T series Single-Row Header
- ◇ Use with 2053T series Crimp Terminal
- ◇ Certifications: UL
- ◇ Applicable wire gauge: AWG 24 - 28
- Special applied wire gauge: AWG 22 - 26



2070S Single-Row Plug Housing



Ordering Information

Circuits	Part No.	Dimension	
		A	B
2	2070S02 00	2.0	6.0
3	2070S03 00	4.0	8.0
4	2070S04 00	6.0	10.0
5	2070S05 00	8.0	12.0
6	2070S06 00	10.0	14.0
7	2070S07 00	12.0	16.0
8	2070S08 00	14.0	18.0
9	2070S09 00	16.0	20.0
10	2070S10 00	18.0	22.0
11	2070S11 00	20.0	24.0
12	2070S12 00	22.0	26.0
13	2070S13 00	24.0	28.0
14	2070S14 00	26.0	30.0
15	2070S15 00	28.0	32.0
16	2070S16 00	30.0	34.0

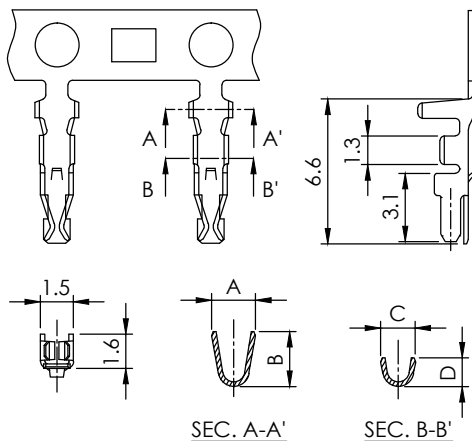
Material

Part	Material / Finish
Housing	Nylon 66 94V-0, white (natural)

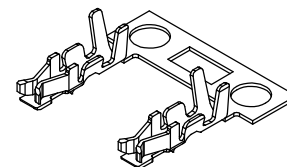
※ Color Identification: the following alphabet shall be put
 ex. 2070S1600- B
 16... Circuit no., B... black, R... red, E... blue, W... brown
 Y... yellow, P... pink, D... orange, H... Gray, M... green color

Reference

- ◇ Use with 2050S, 2070Sxx00, 2070SxxD0-SE series Plug Housing



2053T Crimp Terminal



Ordering Information

Part No.	Applicable Wire		
	AWG #	Insulation O.D. mm	Q'ty / Reel
2053T011R	24 - 28	1.5 Max.	12,000
2053T021R	22 - 26	1.5 Max.	12,000

Part No.	A	B	C	D
2053T011R	2.1	2.5	1.6	1.3
2053T021R	2.1	2.5	1.7	1.5

2.0 Pitch 2070 SERIES CONNECTOR



2.0 mm Pitch Wire-to-Board Connector



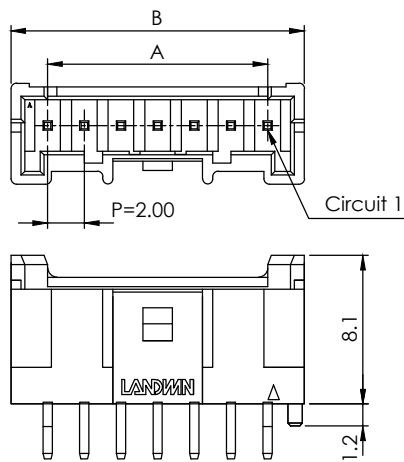
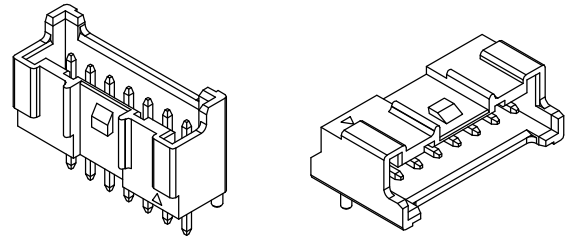
Specifications

- ◇ Current rating: 3A AC/DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 800V AC/Minute
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

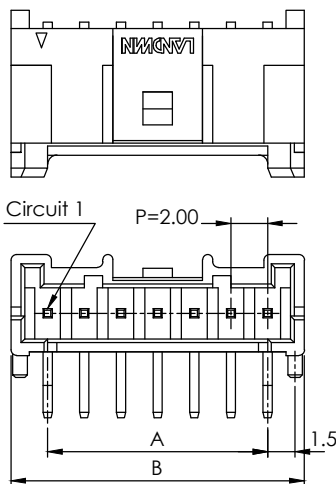
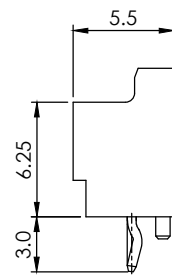
Reference

- ◇ Mates with 2070Sxx00 series Single-Row Plug Housing
- ◇ Certifications: UL
- ◇ GWT 750° C rated product is available

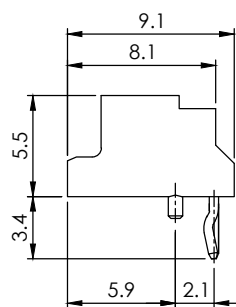
2071P, 2072P DIP Header



Straight-Type
0.5mm Square pin



Right-Angle Type
0.5mm Square pin



Ordering Information

Circuits	Part No.		Dimension	
	Straight	Right-Angle	A	B
2	2071P02A1T	2072P02A1T	2.0	6.0
3	2071P03A1T	2072P03A1T	4.0	8.0
4	2071P04A1T	2072P04A1T	6.0	10.0
5	2071P05A1T	2072P05A1T	8.0	12.0
6	2071P06A1T	2072P06A1T	10.0	14.0
7	2071P07A1T	2072P07A1T	12.0	16.0
8	2071P08A1T	2072P08A1T	14.0	18.0
9	2071P09A1T	2072P09A1T	16.0	20.0
10	2071P10A1T	2072P10A1T	18.0	22.0
11	2071P11A1T	2072P11A1T	20.0	24.0
12	2071P12A1T	2072P12A1T	22.0	26.0
13	2071P13A1T	2072P13A1T	24.0	28.0
14	2071P14A1T	2072P14A1T	26.0	30.0
15	2071P15A1T	2072P15A1T	28.0	32.0
16	2071P16A1T	2072P16A1T	30.0	34.0

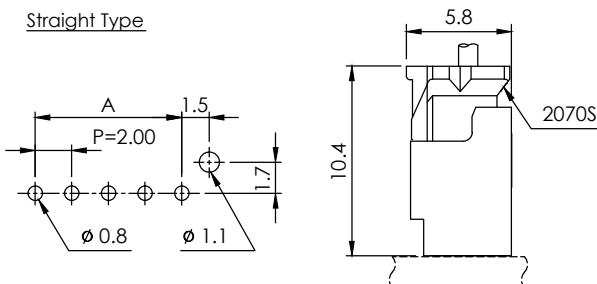
Material

Part	Material / Finish
Base	Glass-filled Nylon 66 94V-0, Light Ivory color
Contact	Brass, Reflow tin-plated

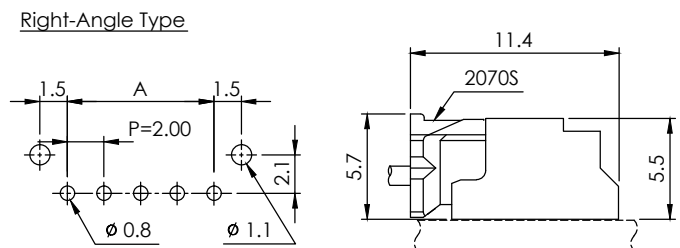
※ Color Identification: the following alphabet shall be put,
 ex. 2071P16 A1T - B
 ex. 2072P16 A1T - B
 16... Circuit no. B... black, R... red, E... blue, W... brown color

P.C. Board Layout / Assembly Layout

Straight Type



Right-Angle Type



2.0 Pitch 2070 SERIES CONNECTOR



2.0 mm Pitch Wire-to-Board Connector



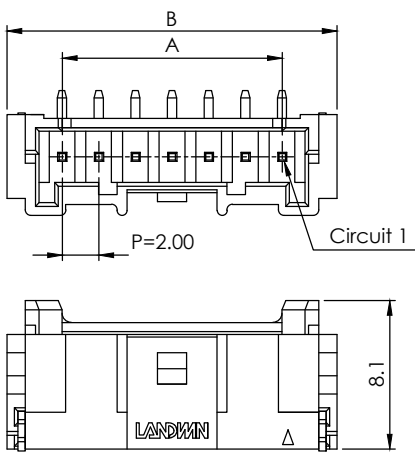
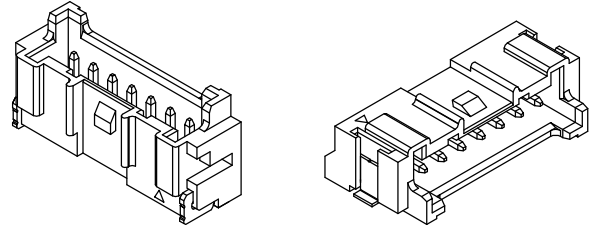
Specifications

- ◇ Current rating: 3A AC/DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 800V AC/Minute
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

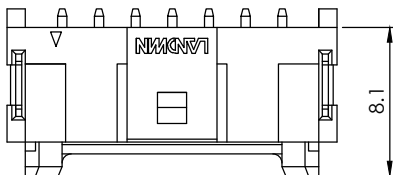
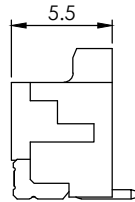
Reference

- ◇ Mates with 2070Sxx00 series Single-Row Plug Housing
- ◇ Certifications: UL
- ◇ GWT 850° C rated product is available

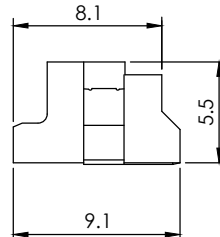
2071P, 2072P SMT Header



Straight-Type
0.5mm Square pin



Right-Angle Type
0.5mm Square pin



Ordering Information REFLOW SOLDER SERIES

Circuits	Part No.		Dimension	
	Straight	Right-Angle	A	B
2	2071P02S9T	2072P02S9T	2.0	8.0
3	2071P03S9T	2072P03S9T	4.0	10.0
4	2071P04S9T	2072P04S9T	6.0	12.0
5	2071P05S9T	2072P05S9T	8.0	14.0
6	2071P06S9T	2072P06S9T	10.0	16.0
7	2071P07S9T	2072P07S9T	12.0	18.0
8	2071P08S9T	2072P08S9T	14.0	20.0
9	2071P09S9T	2072P09S9T	16.0	22.0
10	2071P10S9T	2072P10S9T	18.0	24.0
11	2071P11S9T	2072P11S9T	20.0	26.0
12	2071P12S9T	2072P12S9T	22.0	28.0
13	2071P13S9T	2072P13S9T	24.0	30.0
14	2071P14S9T	2072P14S9T	26.0	32.0
15	2071P15S9T	2072P15S9T	28.0	34.0
16	2071P16S9T	2072P16S9T	30.0	36.0

Material

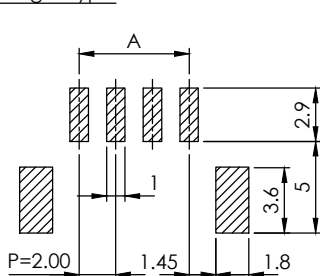
Part	Material / Finish
Base	HIGH HDT Nylon-GF 94V-0, Ivory color
Contact	Brass, Reflow tin-plated
Peg	Brass, Matte tin-plated

※ Color Identification: the following alphabet shall be put,
 ex. 2071P16 S9T - B
 ex. 2072P16 S9T - B
 16... Circuit no., B... black, R... red, E... blue, H... gray color

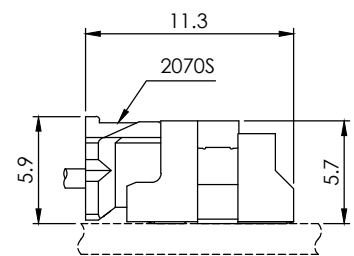
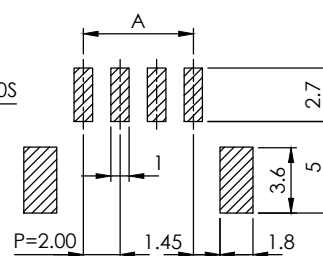
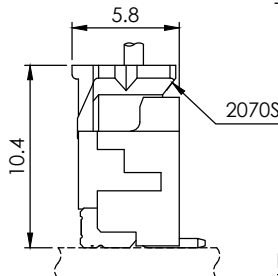
※ SMT Embossed Tape Packing Information:
 Q' ty per 330 mm Dia. Panel: 450 PCS/Reel (2071P)
 Q' ty per 330 mm Dia. Panel: 600 PCS/Reel (2072P)

P.C. Board Layout / Assembly Layout

Straight Type



Right-Angle Type



2.0 Pitch 2070 SERIES CONNECTOR



2.0 mm Pitch Wire-to-Board Connector

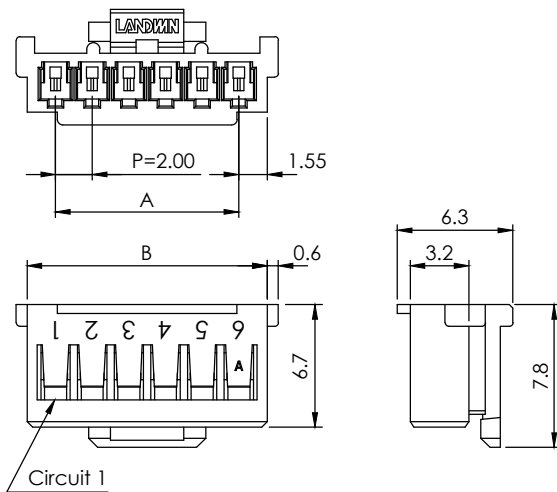


Specifications

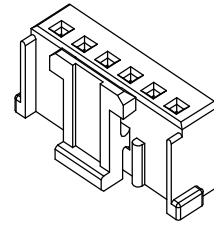
- ◇ Current rating: 2A AC/DC Max.
- ◇ Voltage Range: 125V AC,DC
- ◇ Withstand Voltage: 500V AC/Minute
- ◇ Contact Resistance: 20 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Mates with Molex 35362 , 35363 series Single-Row Header
- ◇ Use with 2073T series Terminal
- ◇ Applicable wire gauge: AWG 24 - 30



2070S Single-Row Plug Housing (Type B)



Ordering Information

Circuits	Part No.	Dimension	
		A	B
5	2070S0500-SB	8.0	11.1
6	2070S0600-SB	10.0	13.1
7	2070S0700-SB	12.0	15.1

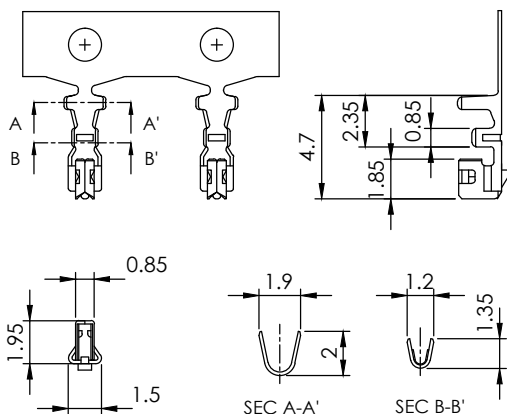
Material

Part	Material / Finish
Housing	Nylon 66 94V-0, white (natural)

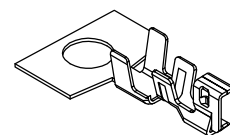
- ※ Color Identification: the following alphabet shall be put
ex. 2070S06 00- S B
16... Circuit no. S... white (natural), B... black, R... red
- ※ Contact sales for available P/N up to date.

Reference

- ◇ Use with 2070Sxx00-SB series Single-Row Plug Housing



2073T Crimp Terminal



Ordering Information

Part No.	Applicable Wire		
	AWG #	Insulation O.D. mm	Q'ty / Reel
2073T011R	24 - 30	1.5 Max.	15,000

Material

Part No.	Material
2073T011R	Phosphor Bronze Tin-Plated

2.0 Pitch 2070 SERIES CONNECTOR



2.0 mm Pitch Wire-to-Board Connector

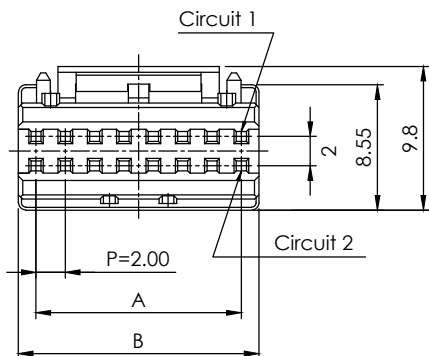
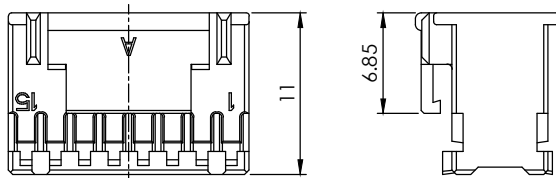


Specifications

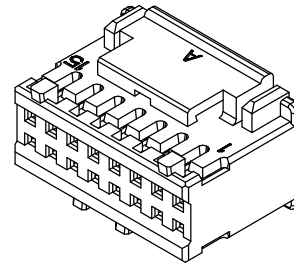
- ◇ Current rating: 3A AC/DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 800V AC/Minute
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Mates with 2071PxxD3T, 2072PxxD3T series Dual-Row Header
- ◇ Use with 2005T2 series Crimp Terminal
- ◇ Certifications: UL
- ◇ Applicable wire gauge: AWG 24 - 28



2070S Dual-Row Plug Housing



Ordering Information

Circuits	Part No.	Dimension	
		A	B
10	2070S10D0	8.0	10.4
12	2070S12D0	10.0	12.4
14	2070S14D0	12.0	14.4
16	2070S16D0	14.0	16.4
18	2070S18D0	16.0	18.4
20	2070S20D0	18.0	20.4
22	2070S22D0	20.0	22.4
24	2070S24D0	22.0	24.4
26	2070S26D0	24.0	26.4
28	2070S28D0	26.0	28.4
30	2070S30D0	28.0	30.4
32	2070S32D0	30.0	32.4
34	2070S34D0	32.0	34.4
36	2070S36D0	34.0	36.4
38	2070S38D0	36.0	38.4
40	2070S40D0	38.0	40.4

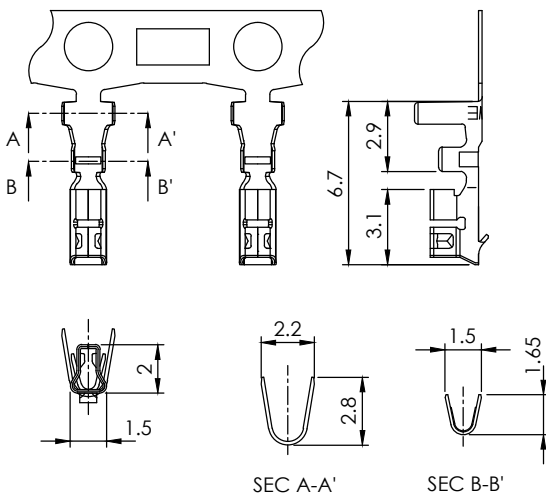
Material

Part	Material / Finish
Housing	Nylon 66 94V-0, white (natural)

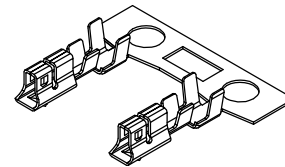
※ Color Identification: the following alphabet shall be put
 ex. 2070S40D0-B
 40... Circuit no. B... black, R... red, E... blue, W... brown

Reference

- ◇ Use with 2070SxxD0 series Dual-Row Plug Housing



2005T2 Crimp Terminal



Ordering Information

Part No.	Applicable Wire		
	AWG #	Insulation O.D. mm	Q'ty / Reel
2005T211R	24 - 28	1.6 Max.	10,000

Material

Part No.	Material / Finish
2005T211R	Phosphor Bronze Tin-Plated

2.0 Pitch 2070 SERIES CONNECTOR



2.0 mm Pitch Wire-to-Board Connector



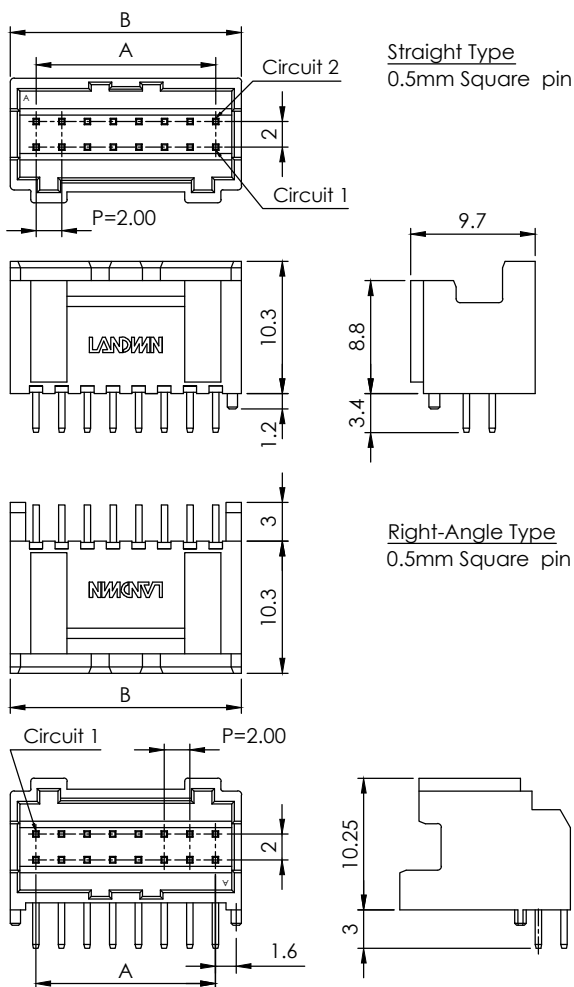
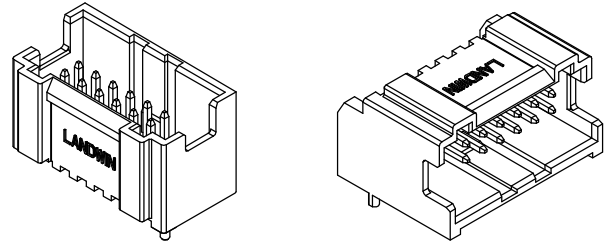
2071P, 2072P Dual-Row DIP Header

Specifications

- ◇ Current rating: 3A AC/DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 800V AC/Minute
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Mates with 2070SxxD0 series Dual-row Plug Housing
- ◇ Certifications: UL
- ◇ GWT 750° C rated product is available



Ordering Information

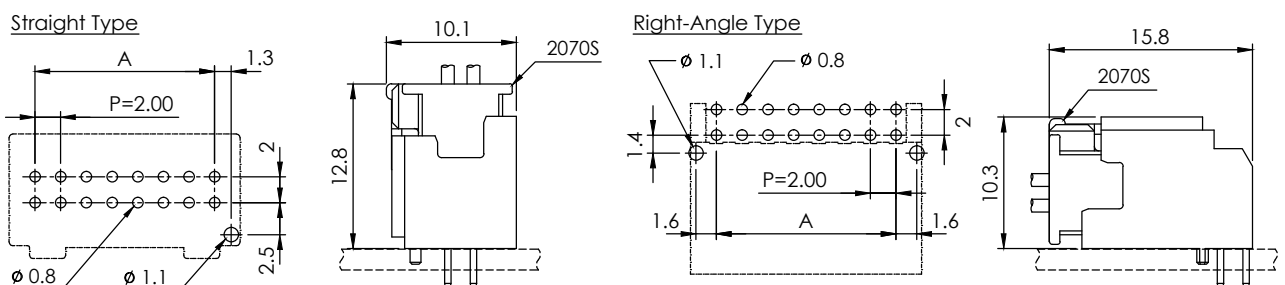
Circuits	Part No.		Dimension	
	Straight	Right-Angle	A	B
10	2071P10D3T	2072P10D3T	8.0	12.0
12	2071P12D3T	2072P12D3T	10.0	14.0
14	2071P14D3T	2072P14D3T	12.0	16.0
16	2071P16D3T	2072P16D3T	14.0	18.0
18	2071P18D3T	2072P18D3T	16.0	20.0
20	2071P20D3T	2072P20D3T	18.0	22.0
22	2071P22D3T	2072P22D3T	20.0	24.0
24	2071P24D3T	2072P24D3T	22.0	26.0
26	2071P26D3T	2072P26D3T	24.0	28.0
28	2071P28D3T	2072P28D3T	26.0	30.0
30	2071P30D3T	2072P30D3T	28.0	32.0
32	2071P32D3T	2072P32D3T	30.0	34.0
34	2071P34D3T	2072P34D3T	32.0	36.0
36	2071P36D3T	2072P36D3T	34.0	38.0
38	2071P38D3T	2072P38D3T	36.0	40.0
40	2071P40D3T	2072P40D3T	38.0	42.0

Material

Part	Material / Finish
Base	Glass-filled PBT 94V-0, white (natural)
Contact	Brass, Matte tin-plated

※ Color Identification: the following alphabet shall be put
 ex. 2071P40 D3T - B
 ex. 2072P40 D3T - B
 40... Circuit no. B... Black, R... Red, E... Blue,
 Y... Yellow, H... Gray

P.C. Board Layout / Assembly Layout



2.0 Pitch 2070 SERIES CONNECTOR



2.0 mm Pitch Wire-to-Board Connector



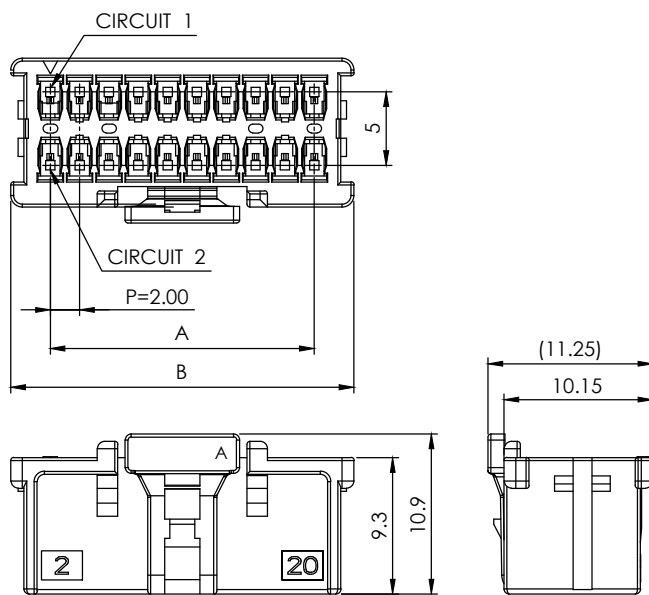
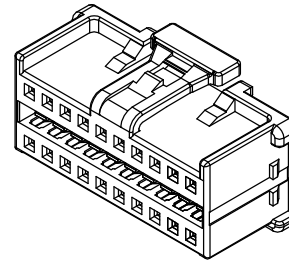
Specifications

- ◇ Current rating: 2.5A AC/DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 1000V AC/Minute
- ◇ Contact Resistance: 20 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Mates with 2071PxxD3T-SB series Dual-Row Type-B Header
- ◇ Use with 2005T3 series Terminal
- ◇ Certifications: refer to 2070S series
- ◇ Applicable wire gauge: AWG 24 - 28

2070S Dual-Row Plug Housing (Type-B)



Ordering Information

Circuits	Part No.	Dimension	
		A	B
8	2070S08D0-SB	6.0	11.4
10	2070S10D0-SB	8.0	13.4
12	2070S12D0-SB	10.0	15.4
14	2070S14D0-SB	12.0	17.4
16	2070S16D0-SB	14.0	19.4
18	2070S18D0-SB	16.0	21.4
20	2070S20D0-SB	18.0	23.4
22	2070S22D0-SB	20.0	25.4
24	2070S24D0-SB	22.0	27.4
26	2070S26D0-SB	24.0	29.4
28	2070S28D0-SB	26.0	31.4
30	2070S30D0-SB	28.0	33.4

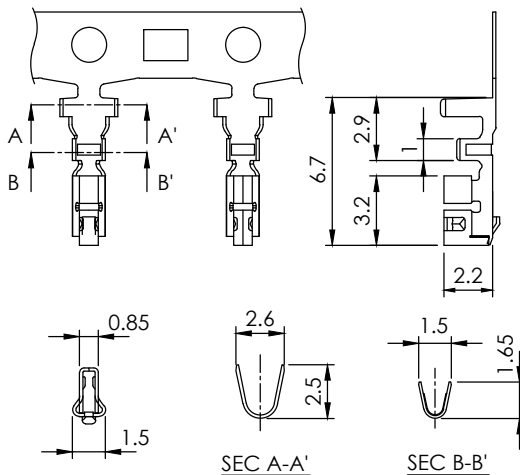
Material

Part	Material / Finish
Housing	Nylon 66 94V-0, white (natural)

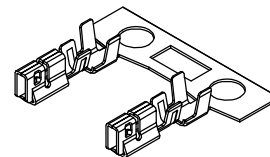
※ Color Identification: the following alphabet shall be put
 ex. 2070S20 D0 - S B
 20... Circuit no. R... red, M... green, E... blue
 Y... yellow, H... gray, S... natural color

Reference

- ◇ Use with 2070SxxD0-SB Type-B series Plug Housing



2005T3 Crimp Terminal



Ordering Information

Part No.	Applicable Wire		
	AWG #	Insulation O.D. mm	Q'ty / Reel
2005T311R	24 - 28	1.6 Max.	12,000

Material

Part No.	Material / Finish
2005T311R	Phosphor Bronze Tin-Plated

2.0 Pitch 2070 SERIES CONNECTOR



2.0 mm Pitch Wire-to-Board Connector



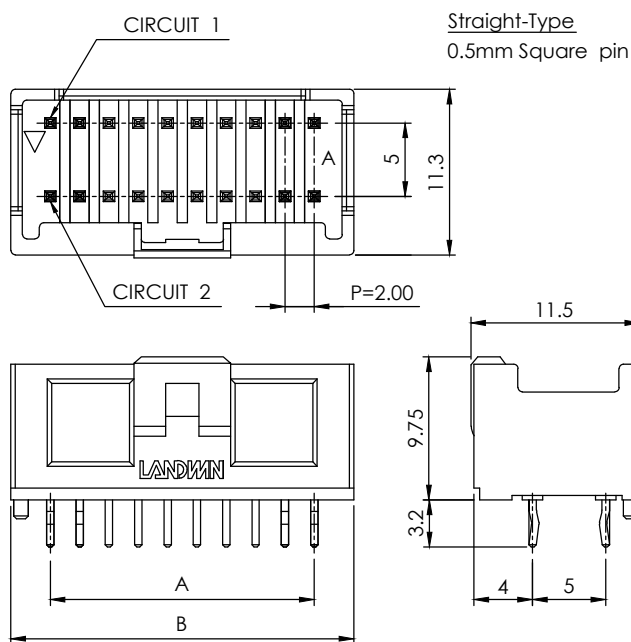
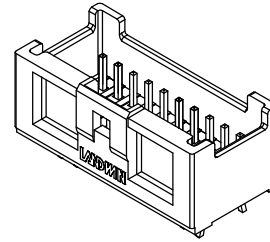
Specifications

- ◇ Current rating: 2.5A AC/DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 1000V AC/Minute
- ◇ Contact Resistance: 20 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Mates with 2070SxxD0-SB series Dual-Row Type-B Plug Housing
- ◇ Certifications: refer to 2070S series
- ◇ GWT 750° C rated product is available

2071P Dual-Row DIP Header (Type-B)



Ordering Information

Circuits	Part No.	Dimension	
		A	B
20	2071P20D3T-SB	18.0	23.4
28	2071P28D3T-SB	26.0	31.4
30	2071P30D3T-SB	28.0	33.4

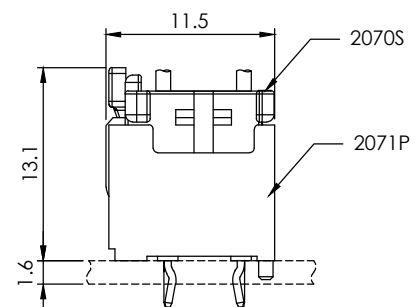
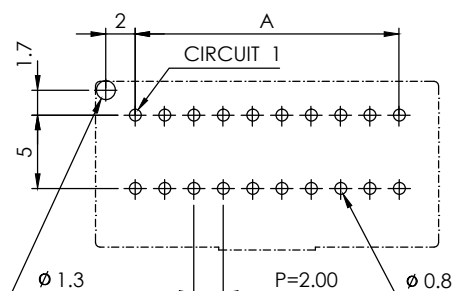
Material

Part	Material / Finish
Base	Glass-filled PBT 94V-0, white (natural)
Contact	Brass, Matte tin-plated

※ Color Identification: the following alphabet shall be put
 ex. 2071P40 D3T - S B
 40... Circuit no. R... red, E... blue, Y... yellow,
 H... gray, S... white (natural color)

P.C. Board Layout / Assembly Layout

Straight Type



2.0 Pitch 2070 SERIES CONNECTOR



2.0 mm Pitch Wire-to-Board Connector



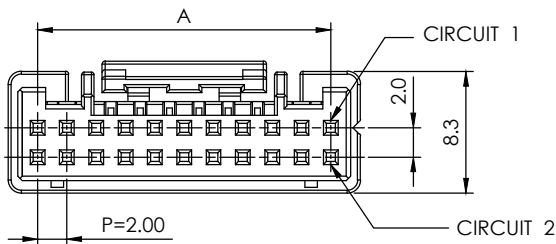
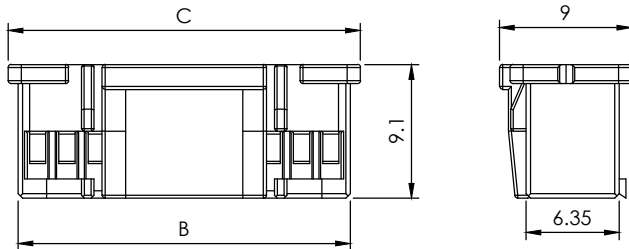
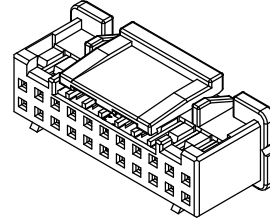
Specifications

- ◇ Current rating: 3A AC/DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 800V AC/Minute
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Mates with 2071PxxD3T-SP Dual-Row Type-P Header
- ◇ Use with 2073TP series Crimp Terminal
- ◇ Certifications: refer to 2070S series
- ◇ Applicable wire gauge: AWG 24 - 28

2070S Dual-Row Plug Housing (Type-P)



Ordering Information

Circuits	Part No.	Dimension		
		A	B	C
22	2070S22D0-SP	20.0	22.7	24.0

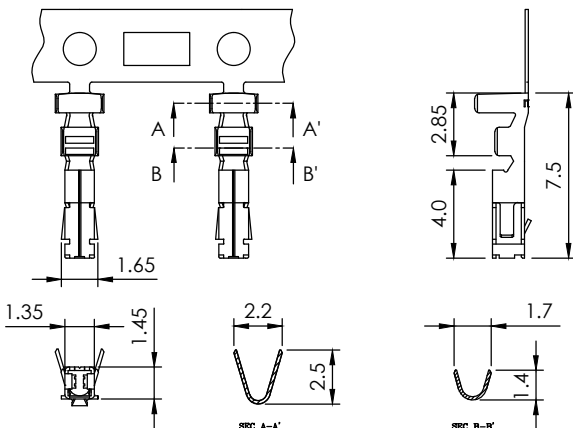
Material

Part	Material / Finish
Housing	Nylon 66 94V-0, white (natural)

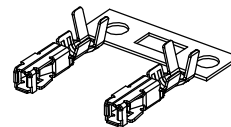
- ※ Color Identification: the following alphabet shall be put, ex. 2070S22 D0 - S P
22... Circuit no. S... white (natural), b... black color
- ※ Contact sales for more available P/N up to date.

Reference

- ◇ Use with 2070SxxD0-SP series Plug Housing



2073TP Crimp Terminal



Ordering Information

Part No.	Applicable Wire		
	AWG #	Insulation O.D. mm	Q'ty / Reel
2073TP21R	24 - 28	1.5 Max.	15,000

Material

Part No.	Material / Finish
2073TP21R	Phosphor Bronze Tin-Plated

2.0 Pitch 2070 SERIES CONNECTOR



2.0 mm Pitch Wire-to-Board Connector



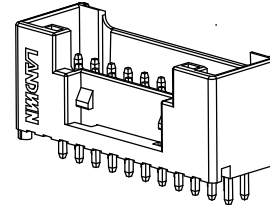
2071P Dual-Row DIP Header (Type-P)

Specifications

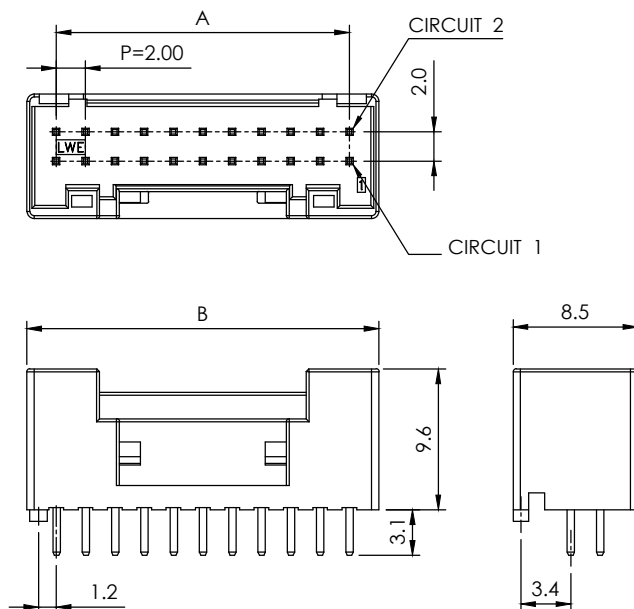
- ◇ Current rating: 3A AC/DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 800V AC/Minute
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Mates with 2070SxxD0-SP series Dual-Row type-E Plug Housing
- ◇ Certifications: refer to 2070S series



Straight-Type
0.5mm Square pin



Ordering Information

Circuits	Part No.	Dimension	
	Straight	A	B
22	2071P22D1T-SP	20.0	24.0

Material

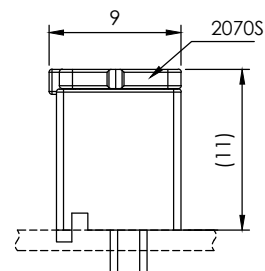
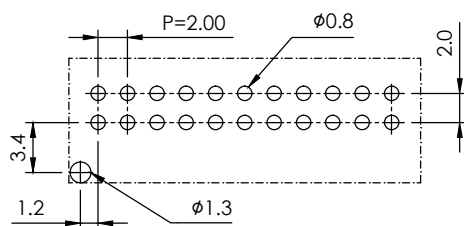
Part	Material / Finish
Base	Glass-filled Nylon 66 94V-0, Light ivory color
Contact	Brass, tin-plated

※ Color Identification: the following alphabet shall be put,
ex. 2071P22 D1T - S P
22... Circuit no. B... black, R... red, E... blue, H... gray,
S... light Ivory(natural color)

※ Contact sales for more available P/N up to date.

P.C. Board Layout / Assembly Layout

Straight Type



2.0 Pitch 2070 SERIES CONNECTOR



2.0 mm Pitch Wire-to-Board Connector



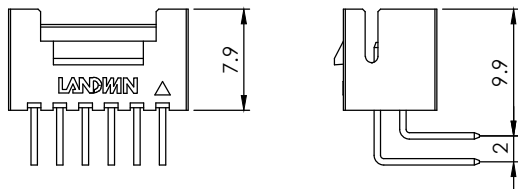
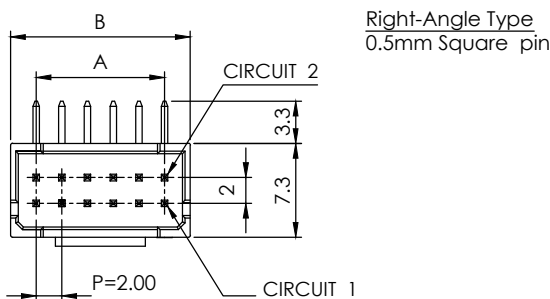
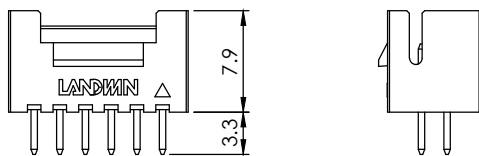
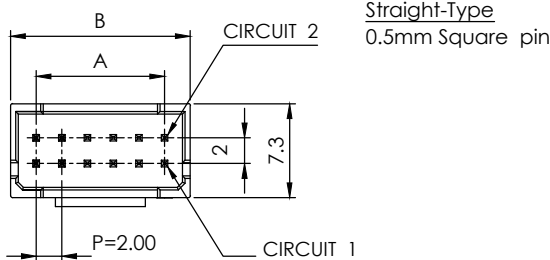
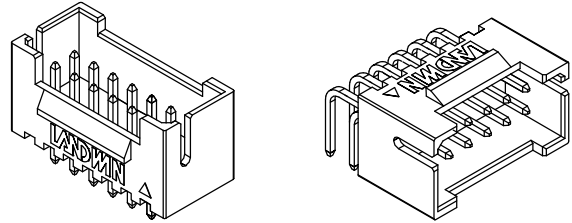
Specifications

- ◇ Current rating: 3A AC/DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 800V AC/Minute
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Mates with Yeonho SMH200-NNC series Dual-Row Plug Housing
- ◇ Certifications: refer to 2070S series

2071P, 2072P Dual-Row DIP Header (Type-E)



Ordering Information

Circuits	Part No.		Dimension	
	Straight	Right-Angle	A	B
12	2071P12D3T-SE	2072P12D3T-SE	10.0	14.0
18	2071P18D3T-SE	2072P18D3T-SE	16.0	20.0
24	2071P24D3T-SE	2072P24D3T-SE	22.0	26.0

Material

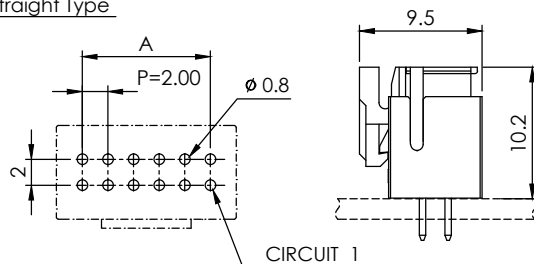
Part	Material / Finish
Base	Glass-filled Nylon 66 94V-0, Light ivory color
Contact	Brass, Matte tin-plated

※ Color Identification: the following alphabet shall be put,
 ex. 2071P24 D3T - S E
 ex. 2072P24 D3T - S E
 24... Circuit no. B... black, R... red, E... blue, H... gray,
 S... light Ivory(natural color)

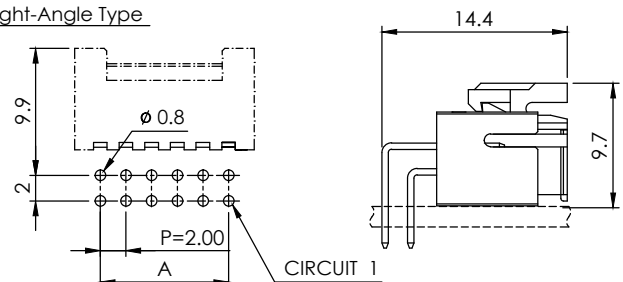
※ Contact sales for more available P/N up to date.

P.C. Board Layout / Assembly Layout

Straight Type



Right-Angle Type



2.0 Pitch 2030 SERIES CONNECTOR



2.0 mm Pitch Board-to-Board Connector



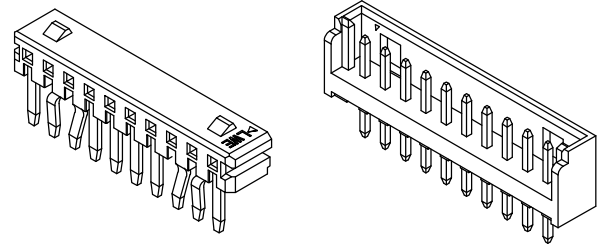
Specifications

- ◇ Current rating: 1.5A AC/DC Max.
- ◇ Voltage Range: 125V AC,DC
- ◇ Withstand Voltage: 500V AC/Minute
- ◇ Contact Resistance: 20 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

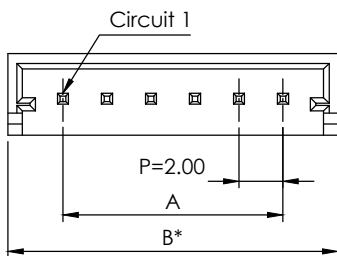
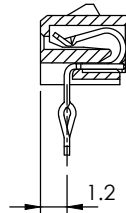
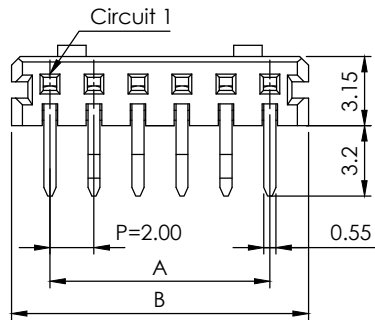
Reference

- ◇ 2030R series Receptacle mates with 2031P series Plug Connector

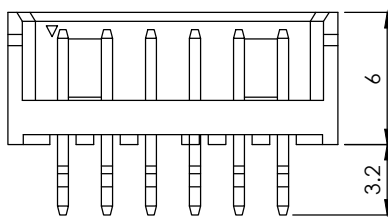
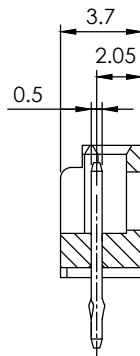
2030R Receptacle
2031P Plug Connector



2030R Receptacle



2031P Plug Connector
0.5mm Square pin



Ordering Information

Circuits	Part No.		Dimension		
	Plug	Header	A	B	B*
2	2030R0203T	2031P0203T	2.0	5.5	7.0
3	2030R0303T	2031P0303T	4.0	7.5	9.0
4	2030R0403T	2031P0403T	6.0	9.5	11.0
5	2030R0503T	2031P0503T	8.0	11.5	13.0
6	2030R0603T	2031P0603T	10.0	13.5	15.0
7	2030R0703T	2031P0703T	12.0	15.5	17.0
8	2030R0803T	2031P0803T	14.0	17.5	19.0
9	2030R0903T	2031P0903T	16.0	19.5	21.0
10	2030R1003T	2031P1003T	18.0	21.5	23.0
11	2030R1103T	2031P1103T	20.0	23.5	25.0
12	2030R1203T	2031P1203T	22.0	25.5	27.0
13	2030R1303T	2031P1303T	24.0	27.5	29.0
14	2030R1403T	2031P1403T	26.0	29.5	31.0
15	2030R1503T	2031P1503T	28.0	31.5	33.0
16	2030R1603T	2031P1603T	30.0	33.5	35.0
17	2030R1703T	2031P1703T	32.0	35.5	37.0
18	2030R1803T	2031P1803T	34.0	37.5	39.0
19	2030R1903T	2031P1903T	36.0	39.5	41.0
20	2030R2003T	2031P2003T	38.0	41.5	43.0

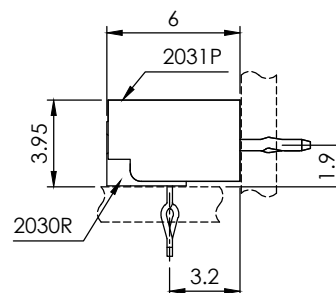
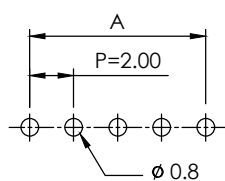
Material

Part	Material / Finish
Base	Glass-filled PBT 94V-0, white (natural)
Contact (2030R)	Phosphor Bronze, tin-plated
Contact (2031P)	Brass, tin-plated

※ Color Identification: the following alphabet shall be put
 ex. 2030R20 03T - B
 ex. 2031P20 03T - B
 20... Circuit no. B... black, R... red, E... blue, W... brown

P.C. Board Layout / Assembly Layout

Right-angle Type



2.0 Pitch 2060 SERIES CONNECTOR



2.0 mm Pitch Ribbon Cable Holder



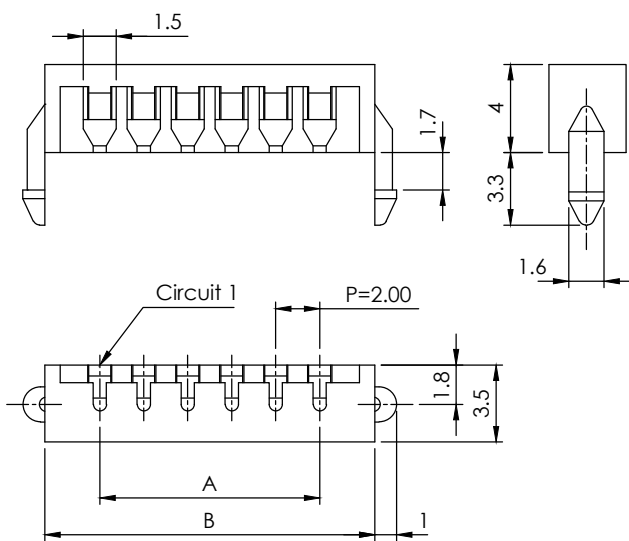
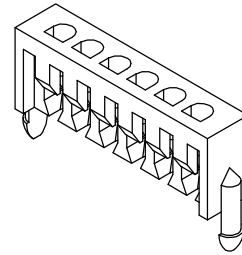
■ Specifications

- ◇ Applicable circuits: 2P to 15P
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 1000V AC/Minute
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

■ Reference

- ◇ Applicable wire gauge: 26 to 28 AWG
- ◇ GWT 750° C rated product is available

2060S Flat / Ribbon Cable Holder



Ordering Information

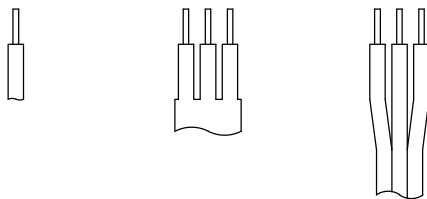
Circuits	Part No.	Dimension	
		A	B
2	2060S02 00	2.0	7.0
3	2060S03 00	4.0	9.0
4	2060S04 00	6.0	11.0
5	2060S05 00	8.0	13.0
6	2060S06 00	10.0	15.0
7	2060S07 00	12.0	17.0
8	2060S08 00	14.0	19.0
9	2060S09 00	16.0	21.0
10	2060S10 00	18.0	23.0
11	2060S11 00	20.0	25.0
12	2060S12 00	22.0	27.0
13	2060S13 00	24.0	29.0
14	2060S14 00	26.0	31.0
15	2060S15 00	28.0	33.0

Material

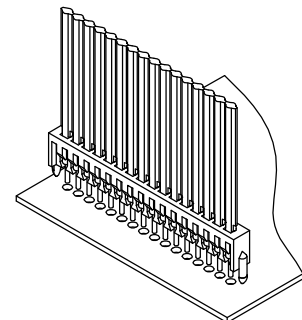
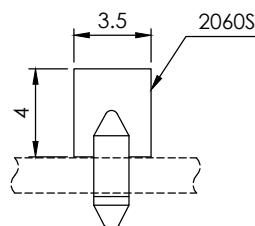
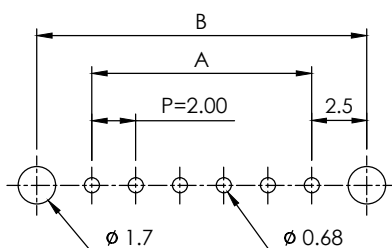
Part	Material / Finish
Housing	Nylon 66 94V-0, white (natural)

※ Color Identification: the following alphabet shall be put,
ex. 2060S1500- B
15... Circuit no. B... black, R... red, E... blue color

DISCREET WIRE FLAT CABLE RIBBON CABLE



P.C. Board Layout / Assembly Layout



2.0 Pitch 2008 SERIES CONNECTOR



2.0 mm Pitch Board-In Connector



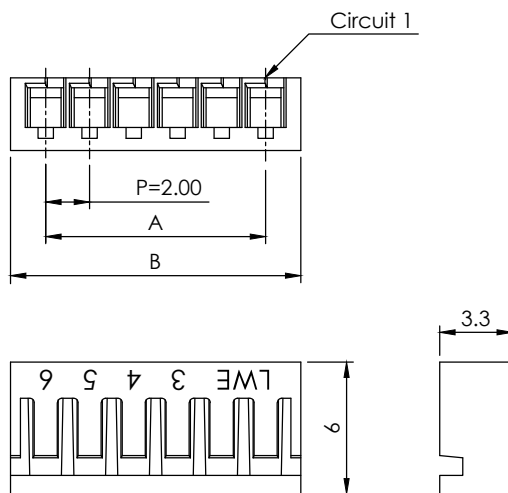
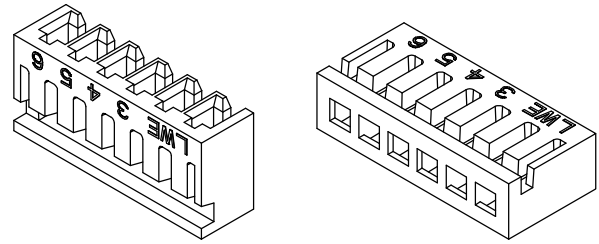
Specifications

- ◇ Current rating: 2A AC/DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 800V AC/Minute
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C
- ◇ Applicable Wire Gauge: AWG 24 to AWG 28

Reference

- ◇ Use with 2009T, 2019T series Crimp Terminal
- ◇ Certifications: UL, TUV
- ◇ GWT 750° C rated product is available
- ◇ Applicable wire gauge: AWG 24 - 28

2008S Board-In Housing



※ Color Identification: the following alphabet shall be put
 ex. 2008S1500-B
 15... Circuit no. B... black, R... red, E... blue,
 Y... yellow, H... gray color

Ordering Information

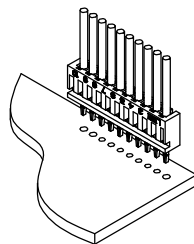
Circuits	Part No.	Dimension	
		A	B
2	2008S02 00	2.0	5.2
3	2008S03 00	4.0	7.2
4	2008S04 00	6.0	9.2
5	2008S05 00	8.0	11.2
6	2008S06 00	10.0	13.2
7	2008S07 00	12.0	15.2
8	2008S08 00	14.0	17.2
9	2008S09 00	16.0	19.2
10	2008S10 00	18.0	21.2
11	2008S11 00	20.0	23.2
12	2008S12 00	22.0	25.2
13	2008S13 00	24.0	27.2
14	2008S14 00	26.0	29.2
15	2008S15 00	28.0	31.2
16	2008S16 00	30.0	33.2

Material

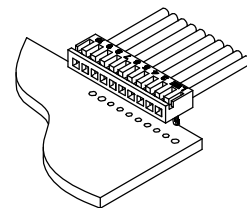
Part	Material / Finish
Housing	Nylon 66 94V-0, white (natural)

Application

USED WITH 2009T

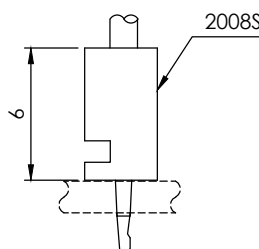
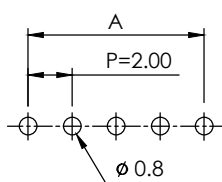


USED WITH 2019T

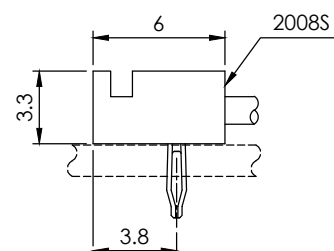


P.C. Board Layout / Assembly Layout

Straight Layout



Right-angle Layout



2.0 Pitch 2008 SERIES CONNECTOR



2.0 mm Pitch Board-In Connector



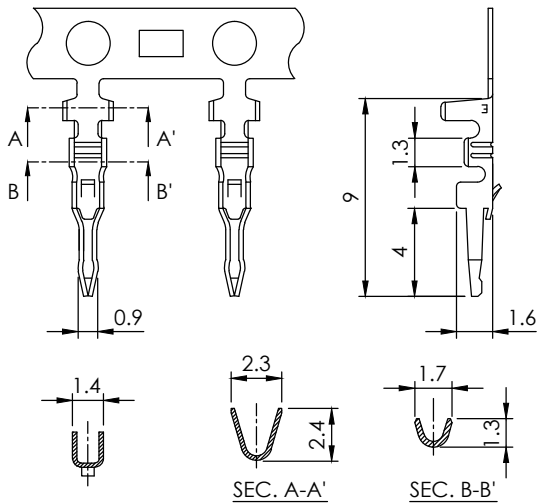
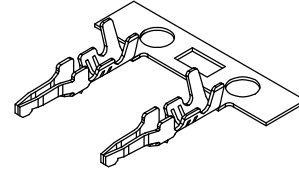
■ Specifications

- ◇ Current rating: 2A AC/DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Temperature Range: -40° C to 105° C

■ Reference

- ◇ Use with 2008S series Board-In Housing

2009T Board-In Crimp Terminal



Ordering Information

Part No.	Applicable Wire		Q'ty / Reel
	AWG #	Insulation O.D. mm	
2009T022R	24 - 28	1.3 Max.	10,000

Material

Part No.	Material / Finish
2009T022R	Brass, Tin-plated

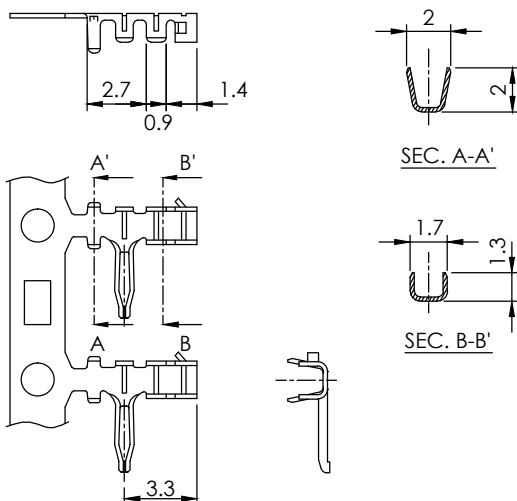
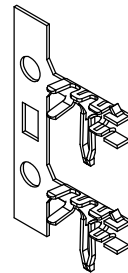
■ Specifications

- ◇ Current rating: 2A AC/DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Temperature Range: -40° C to 105° C

■ Reference

- ◇ Use with 2008S series Board-In Housing

2019T Board-In Crimp Terminal



Ordering Information

Part No.	Applicable Wire		Q'ty / Reel
	AWG #	Insulation O.D. mm	
2019T011R	24 - 28	1.3 Max.	15,000
2019T012R	24 - 28	1.3 Max.	15,000

Material

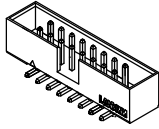
Part No.	Material / Finish
2019T011R	Phosphor Bronze, Tin-plated
2019T012R	Brass, Tin-plated

2.0 Pitch SERIES

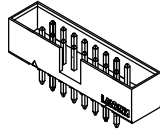


2.0 mm Pitch PIN Headers and Receptacle Headers - Application Overview

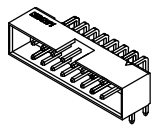
RoHS REACH LF HFA



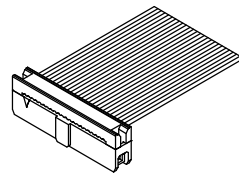
7342P Type-S (SMT)



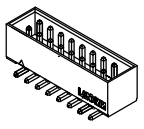
7342P (DIP)



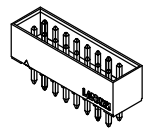
7343P (DIP)



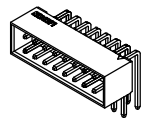
IDC Ribbon Cable Connector



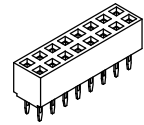
7342P Type-R (SMT)



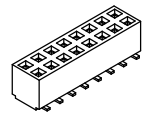
7342P Type-3 (DIP)



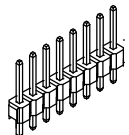
7343P Type-1 (DIP)



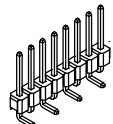
7338P (DIP)



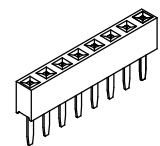
7338P (SMT)



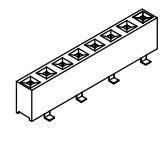
7330P



7330P Type-S1

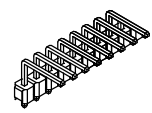


(DIP)

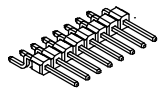


(SMT)

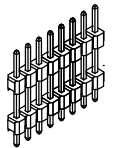
Single-Row Receptacle Header



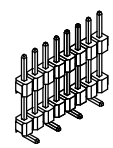
7332P



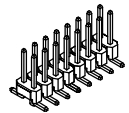
7332P Type-S1



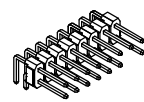
7331P



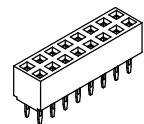
7331P Type-S1



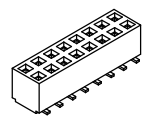
7333P Type-S1



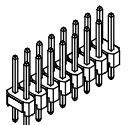
7334P



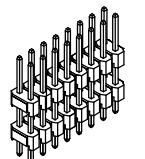
7338P (DIP)



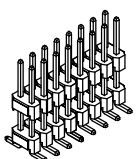
7338P (SMT)



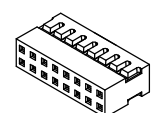
7333P



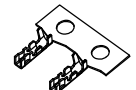
7335P



7335P Type-S1



Dual-row Connector



Accept Terminal

2.0 Pitch 7342, 7343 SERIES CONNECTOR



2.0 mm Pitch Wire-to-Board Connector for Ribbon Cable



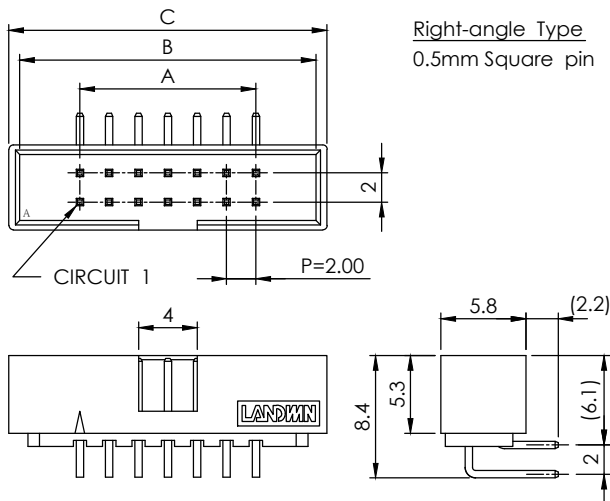
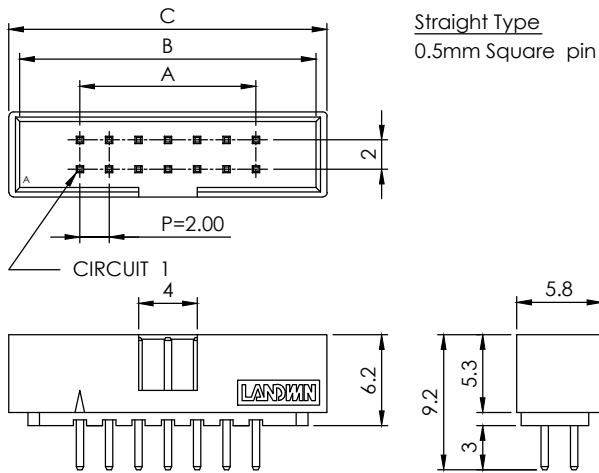
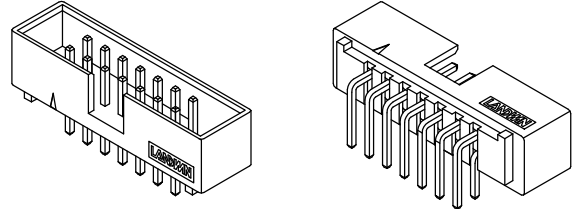
7342P, 7343P Shrouded DIP Header

Specifications

- ◇ Current rating: 2A AC/DC Max.
- ◇ Voltage Range: 125V AC,DC
- ◇ Withstand Voltage: 500V AC/Minute
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Mates with IDC RIBBON cable plug
- ◇ GWT 850° C rated product is available



Ordering Information

PIN Nos	Dimension			PIN Nos	Dimension		
	A	B	C		A	B	C
10	8.0	16.2	17.7	32	30.0	38.2	39.7
12	10.0	18.2	19.7	34	32.0	40.2	41.7
14	12.0	20.2	21.7	36	34.0	42.2	43.7
16	14.0	22.2	23.7	38	36.0	44.2	45.7
18	16.0	24.2	25.7	40	38.0	46.2	47.7
20	18.0	26.2	27.7	42	40.0	48.2	49.7
22	20.0	28.2	29.7	44	42.0	50.2	51.7
24	22.0	30.2	31.7	46	44.0	52.2	53.7
26	24.0	32.2	33.7	48	46.0	54.2	55.7
28	26.0	34.2	35.7	50	48.0	56.2	57.7
30	28.0	36.2	37.7				

Material

Base	Glass-filled PBT 94V-0, Black
Contact	Brass

※ PART NUMBER ASSIGNMENT:

- ex. 7342P XX 03 X (Straight type)
- ex. 7343P XX 03 X (Right-angle type)

XX : Circuit Nos (PIN Numbers)

X : Plating Selection, 1... Gold flash, V... Matte tin

※ Color Identification: the following alphabet shall be put,

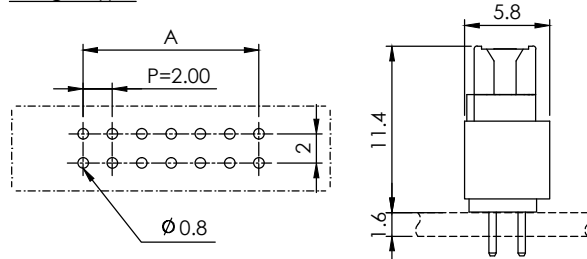
ex. 7342P 40 03 X - R

ex. 7343P 40 03 X - E

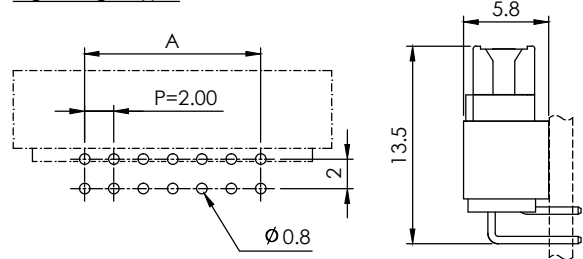
40... Circuit no. R... red, E... blue, H... gray color

P.C. Board Layout / Assembly Layout

Straight Type



Right-angle Type



2.0 Pitch 7342, 7343 SERIES CONNECTOR



2.0 mm Pitch Wire-to-Board Connector for Ribbon Cable



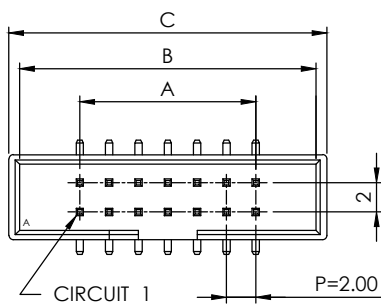
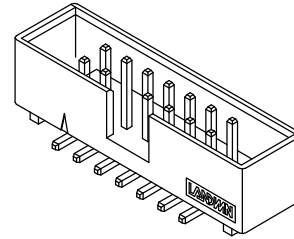
7342P Shrouded SMT Header (Type S)

Specifications

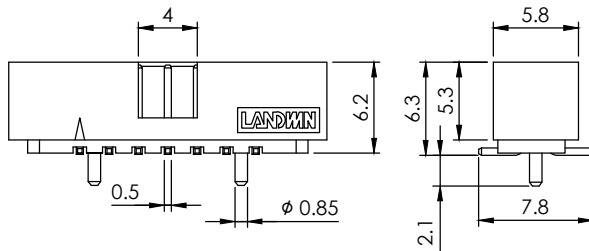
- ◇ Current rating: 2A AC/DC Max.
- ◇ Voltage Range: 125V AC,DC
- ◇ Withstand Voltage: 500V AC/Minute
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Mates with IDC RIBBON cable plug
- ◇ GWT 850° C rated product is available



Straight Type
0.5mm Square pin



Ordering Information:

PIN Nos	Dimension		
	A	B	C
10	8.0	16.2	17.7
12	10.0	18.2	19.7
14	12.0	20.2	21.7
16	14.0	22.2	23.7
18	16.0	24.2	25.7
20	18.0	26.2	27.7
22	20.0	28.2	29.7
24	22.0	30.2	31.7
26	24.0	32.2	33.7
28	26.0	34.2	35.7
30	28.0	36.2	37.7

REFLOW SOLDER SERIES

PIN Nos	Dimension		
	A	B	C
32	30.0	38.2	39.7
34	32.0	40.2	41.7
36	34.0	42.2	43.7
38	36.0	44.2	45.7
40	38.0	46.2	47.7
42	40.0	48.2	49.7
44	42.0	50.2	51.7
46	44.0	52.2	53.7
48	46.0	54.2	55.7
50	48.0	56.2	57.7

Material

Base	HIGH HDT Nylon-GF 94V-0, Black
Contact	Brass

※ PART NUMBER ASSIGNMENT:

ex. 7342P XX S9 X

XX : Circuit Nos (PIN Numbers)

X : Plating Selection, 1... Gold flash, V... Matte tin

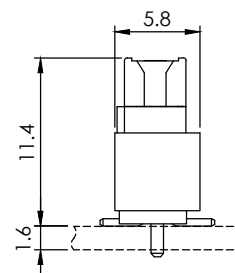
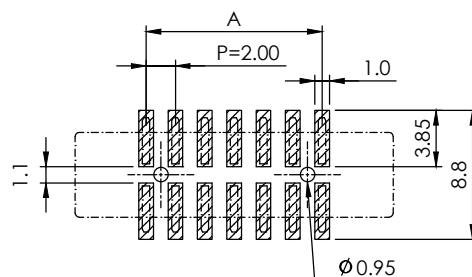
※ Color Identification: the following alphabet shall be put,

ex. 7342P 40 S9 X - R

40... Circuit no. R... red, E... blue, H... gray color

P.C. Board Layout / Assembly Layout

Straight Type



2.0 Pitch 7342, 7343 SERIES CONNECTOR



2.0 mm Pitch Board-to-Board Connector



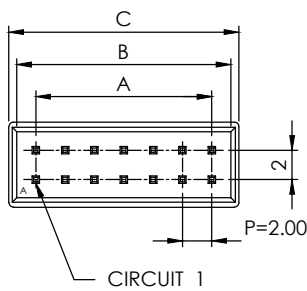
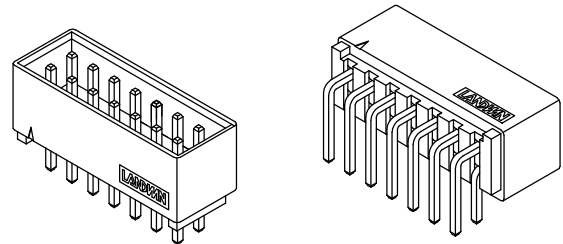
7342P, 7343P Shrouded DIP Header

Specifications

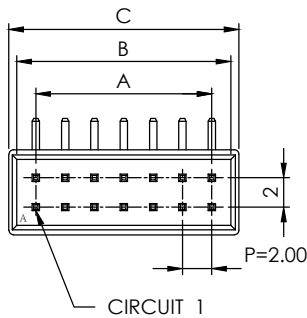
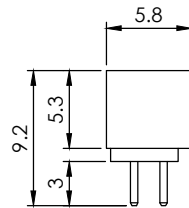
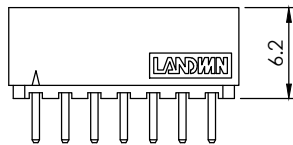
- ◇ Current rating: 2A AC/DC Max.
- ◇ Voltage Range: 125V AC,DC
- ◇ Withstand Voltage: 500V AC/Minute
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

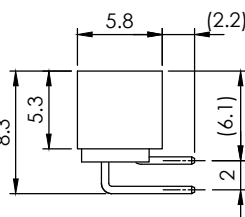
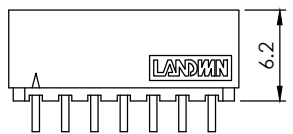
- ◇ Mates with 7338P series Receptacle Header
- ◇ GWT 850° C rated product is available



Straight Type
0.5mm Square pin



Right-angle Type
0.5mm Square pin



Ordering Information

PIN Nos	Dimension			PIN Nos	Dimension		
	A	B	C		A	B	C
6	4.0	6.6	7.7	30	28.0	30.6	31.7
8	6.0	8.6	9.7	32	30.0	32.6	33.7
10	8.0	10.6	11.7	34	32.0	34.6	35.7
12	10.0	12.6	13.7	36	34.0	36.6	37.7
14	12.0	14.6	15.7	38	36.0	38.6	39.7
16	14.0	16.6	17.7	40	38.0	40.6	41.7
18	16.0	18.6	19.7	42	40.0	42.6	43.7
20	18.0	20.6	21.7	44	42.0	44.6	45.7
22	20.0	22.6	23.7	46	44.0	46.6	47.7
24	22.0	24.6	25.7	48	46.0	48.6	49.7
26	24.0	26.6	27.7	50	48.0	50.6	51.7
28	26.0	28.6	29.7				

Material

Base	Glass-filled PBT 94V-0, Black
Contact	Brass

※ PART NUMBER ASSIGNMENT:

- ex. 7342P XX 2 3 X (Straight type)
- ex. 7343P XX 1 3 X (Right-angle type)

XX : Circuit Nos (PIN Numbers)

X : Plating Selection, 1... Gold flash, V... Matte tin

※ Color Identification: the following alphabet shall be put,

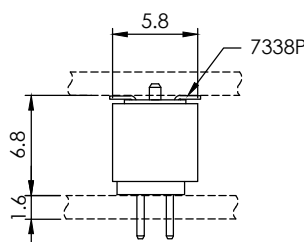
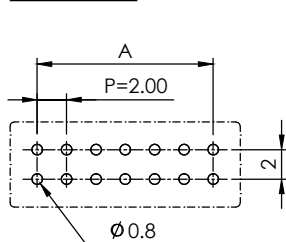
ex. 7342P 40 2 3 X - R

ex. 7343P 40 1 3 X - R

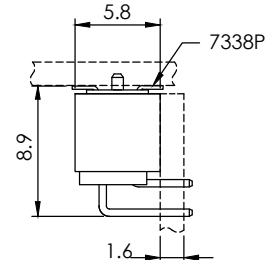
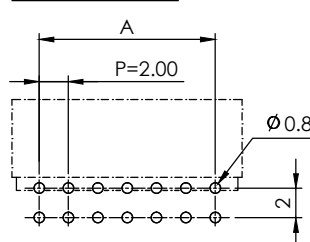
40... Circuit no. R... red, E... blue, H... gray color

P.C. Board Layout / Assembly Layout

Straight Type



Right-angle Type



2.0 Pitch 7342, 7343 SERIES CONNECTOR



2.0 mm Pitch Board-to-Board Connector



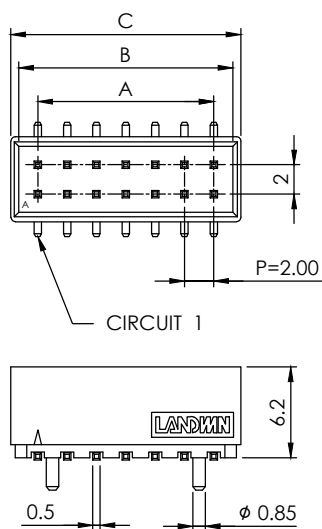
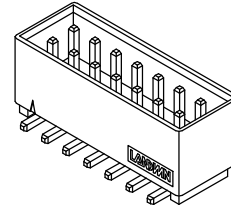
7342P Shrouded SMT Header (Type R)

Specifications

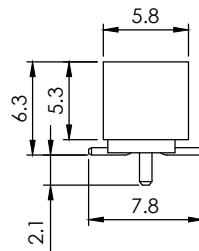
- ◇ Current rating: 2A AC/DC Max.
- ◇ Voltage Range: 125V AC,DC
- ◇ Withstand Voltage: 500V AC/Minute
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Mates with 7338P series Receptacle Header
- ◇ GWT 850° C rated product is available



Straight Type
0.5mm Square pin



Ordering Information:

PIN Nos	Dimension		
	A	B	C
6	4.0	6.6	7.7
8	6.0	8.6	9.7
10	8.0	10.6	11.7
12	10.0	12.6	13.7
14	12.0	14.6	15.7
16	14.0	16.6	17.7
18	16.0	18.6	19.7
20	18.0	20.6	21.7
22	20.0	22.6	23.7
24	22.0	24.6	25.7
26	24.0	26.6	27.7
28	26.0	28.6	29.7

REFLOW SOLDER SERIES

PIN Nos	Dimension		
	A	B	C
30	28.0	30.6	31.7
32	30.0	32.6	33.7
34	32.0	34.6	35.7
36	34.0	36.6	37.7
38	36.0	38.6	39.7
40	38.0	40.6	41.7
42	40.0	42.6	43.7
44	42.0	44.6	45.7
46	44.0	46.6	47.7
48	46.0	48.6	49.7
50	48.0	50.6	51.7

Material

Base	HIGH HDT Nylon-GF 94V-0, Black
Contact	Brass

※ PART NUMBER ASSIGNMENT:

ex. 7342P XX R 9 X

XX : Circuit Nos (PIN Numbers)

X : Plating Selection, 1... Gold flash, V... Matte tin

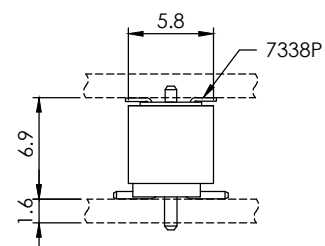
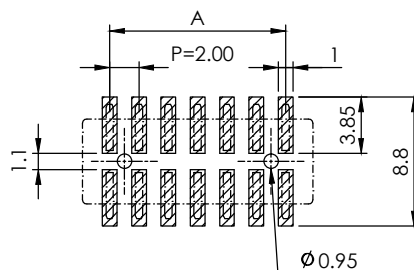
※ Color Identification: the following alphabet shall be put,

ex. 7342P 40 R 9 X - R

40... Circuit no. R... red, E... blue, H... gray color

P.C. Board Layout / Assembly Layout

Straight Type



2.0 Pitch 7331 SERIES CONNECTOR



2.0 mm Pitch Wire-to-Board, Board-to-Board Pin-Header



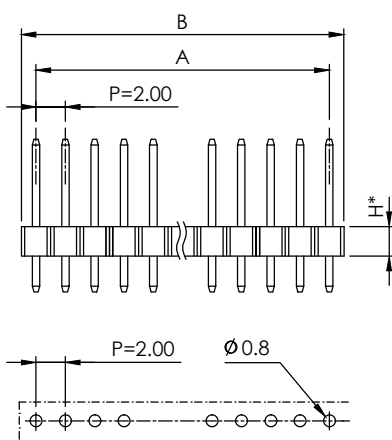
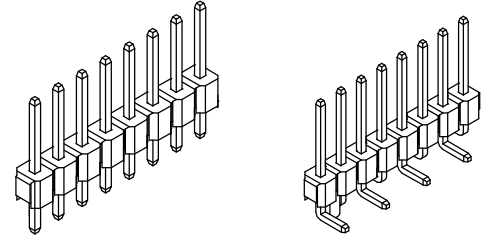
Specifications

- ◇ Current rating: 2A AC/DC Max.
- ◇ Voltage Range: 125V AC,DC
- ◇ Withstand Voltage: 500V AC/Minute
- ◇ Contact Resistance: 20 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

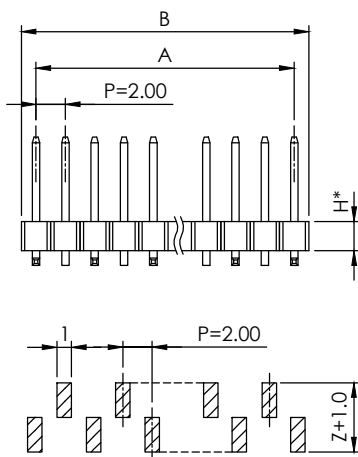
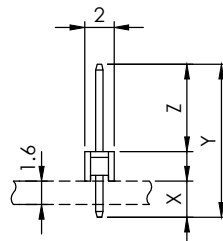
- ◇ Mates with special height of Single-Row Plug Housing
- ◇ Mates with special height of Single-Row Receptacle Header
- ◇ GWT 850° C rated product is available

7330P PIN Header / Straight type
Single-row / 1- layer of insulation



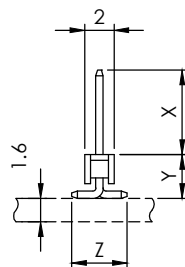
PC Board Layout

7330P DIP Type
0.50mm Square Pin



PC Board Layout

7330P SMT Type-S1
0.50mm Square Pin



Ordering Information

PIN Nos	Dimension		PIN Nos	Dimension		PIN Nos	Dimension	
	A	B		A	B		A	B
2	2.0	4	15	28.0	30	28	54.0	56
3	4.0	6	16	30.0	32	29	56.0	58
4	6.0	8	17	32.0	34	30	58.0	60
5	8.0	10	18	34.0	36	31	60.0	62
6	10.0	12	19	36.0	38	32	62.0	64
7	12.0	14	20	38.0	40	33	64.0	66
8	14.0	16	21	40.0	42	34	66.0	68
9	16.0	18	22	42.0	44	35	68.0	70
10	18.0	20	23	44.0	46	36	70.0	72
11	20.0	22	24	46.0	48	37	72.0	74
12	22.0	24	25	48.0	50	38	74.0	76
13	24.0	26	26	50.0	52	39	76.0	78
14	26.0	28	27	52.0	54	40	78.0	80

※ PART NUMBER ASSIGNMENT:

ex. 7330P XX XXX X (DIP Type)

XX : Circuit Nos (PIN Numbers)

XXX : Type No. of defined X, Y, Z Dimension, Max. 3-digit

X : Plating Selection, 1... Gold flash, V... Matte tin

Material : PIN... Brass

BASE... Glass-filled PBT 94V-0, black

※ PART NUMBER ASSIGNMENT:

ex. 7330P XX S1 YY X (SMT Type-S1)

YY : Type No. of defined X, Y, Z Dimension, Max. 2-digit

Material : PIN... Brass

BASE... HIGH HDT Nylon-GF 94V-0, black

※ Please contact sales for P/N of required dimension.

Dimension (7330P / DIP)

Type No.	Part No.	Dimension			
		X	Y	Z	H*
01	7330PXX01X	2.8	8.8	4.0	2.0
02	7330PXX02X	1.5	7.0	3.5	2.0
03	7330PXX03X	2.0	7.0	3.5	2.0
04	7330PXX04X	2.8	14.0	9.2	2.0
05	7330PXX05X	2.8	14.3	9.5	2.0
06	7330PXX06X	2.8	16.0	11.2	2.0
07	7330PXX07X	2.8	17.5	12.7	2.0
08	7330PXX08X	3.4	8.8	3.4	2.0

NOTE: Not all type listed, please contact for applicable P/N.

Dimension (7330P / SMT)

Type No.	Part No.	Dimension			
		X	Y	Z	H*
S102	7330PXXS102X	3.5	3.5	5.0	2.0

NOTE: Not all type listed, please contact for applicable P/N.

2.0 Pitch SERIES CONNECTOR



2.0 mm Pitch Wire-to-Board, Board-to-Board Pin-Header



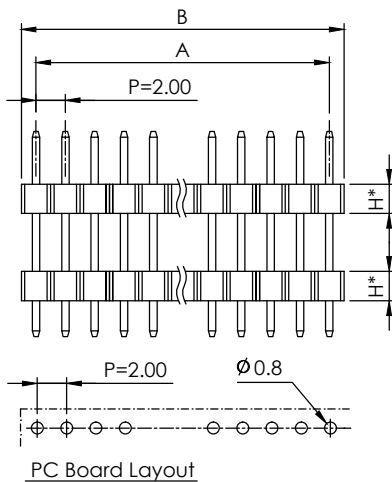
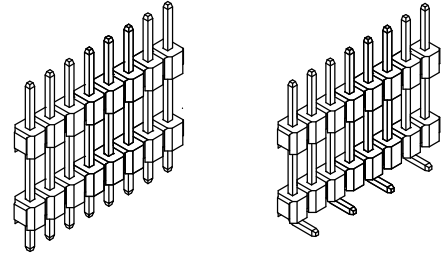
Specifications

- ◇ Current rating: 2A AC/DC Max.
- ◇ Voltage Range: 125V AC,DC
- ◇ Withstand Voltage: 500V AC/Minute
- ◇ Contact Resistance: 20 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

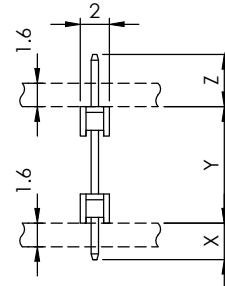
Reference

- ◇ Mates with special height of Single-Row Plug Housing
- ◇ Mates with special height of Single-Row Receptacle Header
- ◇ GWT 850° C rated product is available

7331P PIN Header / SGL S/T
Single-row / 2- layer of insulation



7331P DIP Type
0.50mm Square Pin



Ordering Information

PIN Nos	Dimension		PIN Nos	Dimension		PIN Nos	Dimension	
	A	B		A	B		A	B
2	2.0	4	15	28.0	30	28	54.0	56
3	4.0	6	16	30.0	32	29	56.0	58
4	6.0	8	17	32.0	34	30	58.0	60
5	8.0	10	18	34.0	36	31	60.0	62
6	10.0	12	19	36.0	38	32	62.0	64
7	12.0	14	20	38.0	40	33	64.0	66
8	14.0	16	21	40.0	42	34	66.0	68
9	16.0	18	22	42.0	44	35	68.0	70
10	18.0	20	23	44.0	46	36	70.0	72
11	20.0	22	24	46.0	48	37	72.0	74
12	22.0	24	25	48.0	50	38	74.0	76
13	24.0	26	26	50.0	52	39	76.0	78
14	26.0	28	27	52.0	54	40	78.0	80

※ PART NUMBER ASSIGNMENT:

ex. 7331P XX XXX X (DIP Type)

XX : Circuit Nos (PIN Numbers)

XXX : Type No. of defined X, Y, Z Dimension, Max. 3-digit

X : Plating Selection, 1... Gold flash, V... Matte tin

Material : PIN... Brass

BASE... Glass-filled PBT 94V-0, black

※ PART NUMBER ASSIGNMENT:

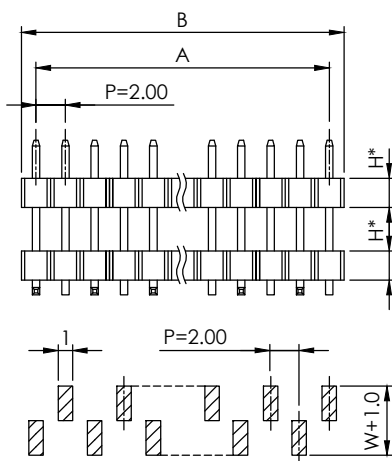
ex. 7331P XX S1 YY X (SMT Type-S1)

YY : Type No. of defined X, Y, Z Dimension, Max. 2-digit

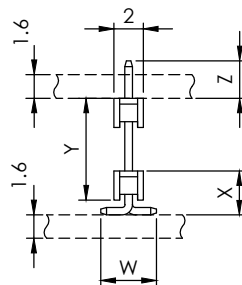
Material : PIN... Brass

BASE... HIGH HDT Nylon-GF 94V-0, black

※ Please contact sales for P/N of required dimension.



7331P SMT Type-S1
0.50mm Square Pin



Dimension (7331P / DIP)

Type No.	Part No.	Dimension			
		X	Y	Z	H*
01	7331PXX01X	2.8	7.5	4.0	2.0
02	7331PXX02X	3.0	12.0	8.0	2.0
03	7331PXX03X	3.2	10.5	3.2	2.0
04	7331PXX04X	3.2	7.0	1.8	2.0
05	7331PXX05X	2.8	4.0	4.0	2.0
06	7331PXX06X	2.0	10.5	2.0	2.0
07	7331PXX07X	2.8	11.5	2.8	2.0
08	7331PXX08X	3.5	14.0	3.5	2.0

NOTE: Not all type listed, please contact for applicable P/N.

Dimension (7331P / SMT)

Type No.	Part No.	Dimension				
		X	Y	Z	W	H*
S101	7331PXXS101X	2.5	5.0	3.9	4.0	2.0

NOTE: Not all type listed, please contact for applicable P/N.

2.0 Pitch 7332 SERIES CONNECTOR



2.0 mm Pitch Wire-to-Board, Board-to-Board Pin-Header



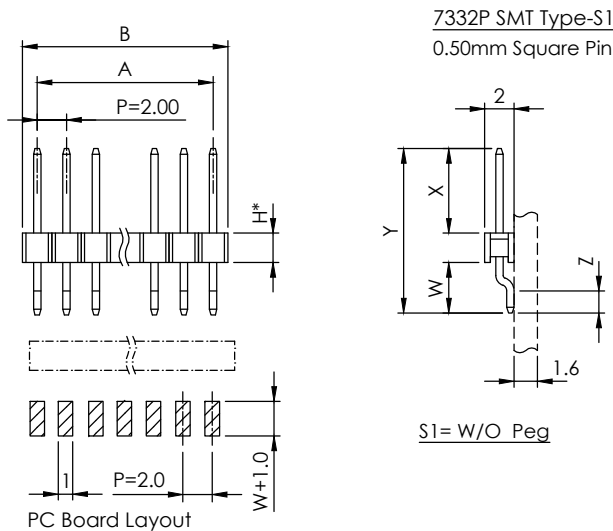
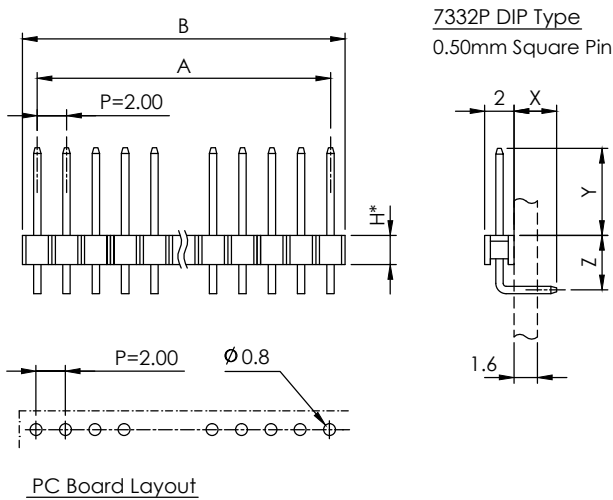
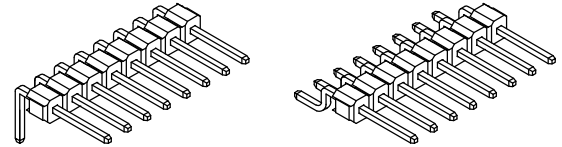
Specifications

- ◇ Current rating: 2A AC/DC Max.
- ◇ Voltage Range: 125V AC,DC
- ◇ Withstand Voltage: 500V AC/Minute
- ◇ Contact Resistance: 20 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Mates with special height of Single-Row Plug Housing
- ◇ Mates with special height of Single-Row Receptacle Header
- ◇ GWT 850° C rated product is available

7332P PIN Header / Right-angle type
Single-row / 1- layer of insulation



Ordering Information

PIN Nos	Dimension		PIN Nos	Dimension		PIN Nos	Dimension	
	A	B		A	B		A	B
2	2.0	4	15	28.0	30	28	54.0	56
3	4.0	6	16	30.0	32	29	56.0	58
4	6.0	8	17	32.0	34	30	58.0	60
5	8.0	10	18	34.0	36	31	60.0	62
6	10.0	12	19	36.0	38	32	62.0	64
7	12.0	14	20	38.0	40	33	64.0	66
8	14.0	16	21	40.0	42	34	66.0	68
9	16.0	18	22	42.0	44	35	68.0	70
10	18.0	20	23	44.0	46	36	70.0	72
11	20.0	22	24	46.0	48	37	72.0	74
12	22.0	24	25	48.0	50	38	74.0	76
13	24.0	26	26	50.0	52	39	76.0	78
14	26.0	28	27	52.0	54	40	78.0	80

※ PART NUMBER ASSIGNMENT:

ex. 7332P XX XXX X (DIP Type)

XX : Circuit Nos (PIN Numbers)

XXX : Type No. of defined X, Y, Z Dimension, Max. 3-digit

X : Plating Selection, 1... Gold flash, V... Matte tin

Material : PIN... Brass

BASE... Glass-filled PBT 94V-0, black

※ PART NUMBER ASSIGNMENT:

ex. 7332P XX S1 YY X (SMT Type-S1)

YY : Type No. of defined X, Y, Z Dimension, Max. 2-digit

Material : PIN... Brass

BASE... HIGH HDT Nylon-GF 94V-0, black

※ Please contact sales for P/N of required dimension.

Dimension (7332P / DIP)

Type No.	Part No.	Dimension			
		X	Y	Z	H*
01	7332PXX01X	2.8	4.0	3.0	2.0
02	7332PXX02X	3.1	4.0	3.5	2.0
03	7332PXX03X	2.8	4.0	3.5	2.0
04	7332PXX04X	2.8	3.0	3.0	2.0
05	7332PXX05X	2.8	2.8	2.3	2.0
06	7332PXX06X	2.8	4.0	3.5	2.0
07	7332PXX07X	2.8	3.5	3.5	2.0
08	7332PXX08X	2.0	3.0	3.5	2.0

NOTE: Not all type listed, please contact for applicable P/N.

Dimension (7332P / SMT)

Type No.	Part No.	Dimension				
		X	Y	Z	W	H*
S101	7332PXXS101X	1.9	6.0	1.5	2.1	2.0

NOTE: Not all type listed, please contact for applicable P/N.

2.0 Pitch 7332 SERIES CONNECTOR



2.0 mm Pitch Wire-to-Board, Board-to-Board Pin-Header



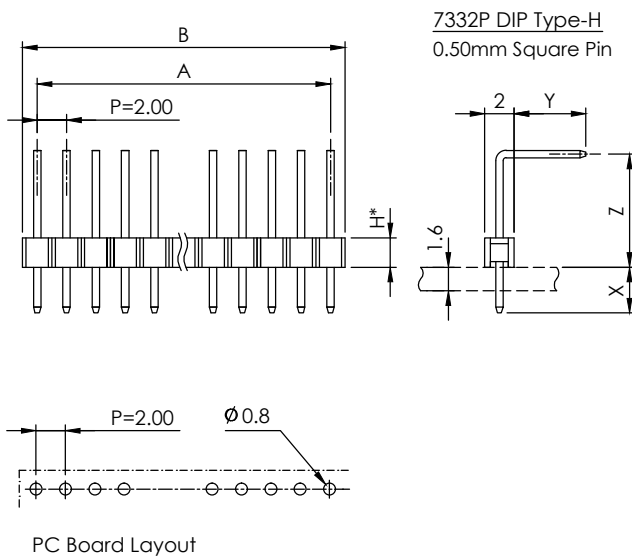
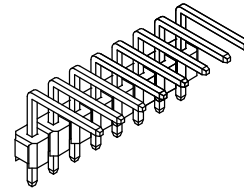
Specifications

- ◇ Current rating: 2A AC/DC Max.
- ◇ Voltage Range: 125V AC,DC
- ◇ Withstand Voltage: 500V AC/Minute
- ◇ Contact Resistance: 20 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Mates with special height of Single-Row Plug Housing
- ◇ Mates with special height of Single-Row Receptacle Header
- ◇ GWT 850° C rated product is available

7332P PIN Header / Right-angle type
Single-row / Type-H



Ordering Information

PIN Nos	Dimension		PIN Nos	Dimension		PIN Nos	Dimension	
	A	B		A	B		A	B
2	2.0	4	15	28.0	30	28	54.0	56
3	4.0	6	16	30.0	32	29	56.0	58
4	6.0	8	17	32.0	34	30	58.0	60
5	8.0	10	18	34.0	36	31	60.0	62
6	10.0	12	19	36.0	38	32	62.0	64
7	12.0	14	20	38.0	40	33	64.0	66
8	14.0	16	21	40.0	42	34	66.0	68
9	16.0	18	22	42.0	44	35	68.0	70
10	18.0	20	23	44.0	46	36	70.0	72
11	20.0	22	24	46.0	48	37	72.0	74
12	22.0	24	25	48.0	50	38	74.0	76
13	24.0	26	26	50.0	52	39	76.0	78
14	26.0	28	27	52.0	54	40	78.0	80

Material

Base	Glass-filled PBT 94V-0, Black
Contact	Brass

※ PART NUMBER ASSIGNMENT:

ex. 7332P XX H XXX X (DIP Type)

XX : Circuit Nos (PIN Numbers)

XXX : Type No. of defined X, Y, Z Dimension, Max. 3-digit

X : Plating Selection, 1... Gold flash, V... Matte tin

※ Please contact sales for P/N of required dimension.

Dimension (7332P / DIP Type-H)

Type No.	Part No.	Dimension			
		X	Y	Z	H*
H001	7332PXXH001X	2.8	4.0	2.3	2.0

NOTE: Not all type listed, please contact for applicable P/N.

2.0 Pitch 7333 SERIES CONNECTOR



2.0 mm Pitch Wire-to-Board, Board-to-Board Pin-Header



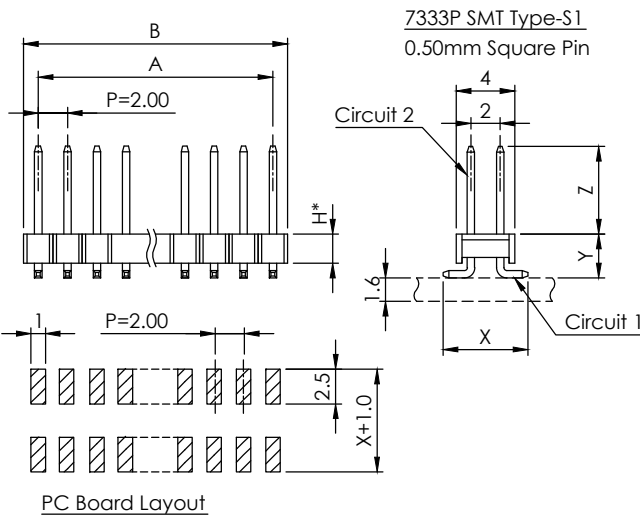
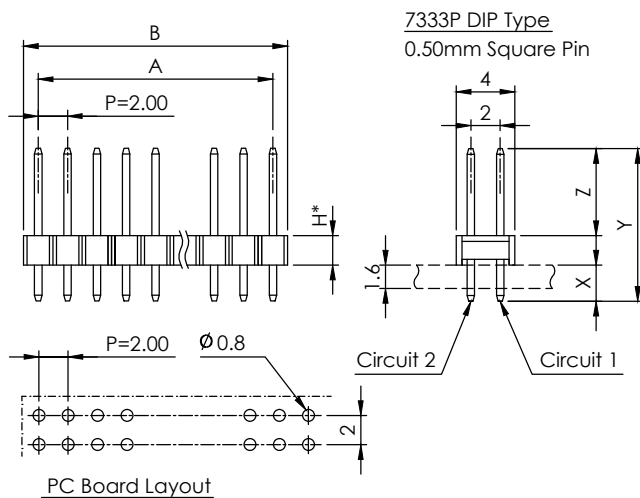
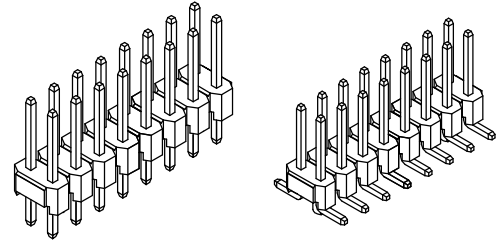
Specifications

- ◇ Current rating: 2A AC/DC Max.
- ◇ Voltage Range: 125V AC,DC
- ◇ Withstand Voltage: 500V AC/Minute
- ◇ Contact Resistance: 20 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Mates with special height of Dual-Row Plug Housing
- ◇ Mates with special height of 7338P series Receptacle Header
- ◇ GWT 850° C rated product is available

7333P PIN Header / straight type
Dual-row / 1- layer of insulation



Ordering Information

PIN Nos	Dimension		PIN Nos	Dimension		PIN Nos	Dimension	
	A	B		A	B		A	B
4	2.0	4	30	28.0	30	56	54.0	56
6	4.0	6	32	30.0	32	58	56.0	58
8	6.0	8	34	32.0	34	60	58.0	60
10	8.0	10	36	34.0	36	62	60.0	62
12	10.0	12	38	36.0	38	64	62.0	64
14	12.0	14	40	38.0	40	66	64.0	66
16	14.0	16	42	40.0	42	68	66.0	68
18	16.0	18	44	42.0	44	70	68.0	70
20	18.0	20	46	44.0	46	72	70.0	72
22	20.0	22	48	46.0	48	74	72.0	74
24	22.0	24	50	48.0	50	76	74.0	76
26	24.0	26	52	50.0	52	78	76.0	78
28	26.0	28	54	52.0	54	80	78.0	80

※ PART NUMBER ASSIGNMENT:

ex. 7333P XX XXX X (DIP Type)

XX : Circuit Nos (PIN Numbers)

XXX : Type No. of defined X, Y, Z Dimension, Max. 3-digit

X : Plating Selection, 1... Gold flash, V... Matte tin

Material : PIN... Brass

BASE... Glass-filled PBT 94V-0, Black

※ PART NUMBER ASSIGNMENT:

ex. 7333P XX S1 YY X (SMT Type-S1)

YY : Type No. of defined X, Y, Z Dimension, Max. 2-digit

Material : PIN... Brass

BASE... HIGH HDT Nylon-GF 94V-0, black

※ Please contact sales for P/N of required dimension.

Dimension (7333P / DIP)

Type No.	Part No.	Dimension			H*
		X	Y	Z	
01	7333PXX01X	2.8	8.8	4.0	2.0
02	7333PXX02X	2.8	10.9	6.1	2.0
03	7333PXX03X	3.9	9.8	3.9	2.0
04	7333PXX04X	3.8	10.0	4.2	2.0
05	7333PXX05X	2.0	7.0	3.0	2.0

NOTE: Not all type listed, please contact for applicable P/N.

Dimension (7333P / SMT)

Type No.	Part No.	Dimension			H*
		X	Y	Z	
S110	7333PXXS110X	6.5	2.5	4.0	2.0

NOTE: Not all type listed, please contact for applicable P/N.

2.0 Pitch 7334 SERIES CONNECTOR



2.0 mm Pitch Wire-to-Board, Board-to-Board Pin-Header



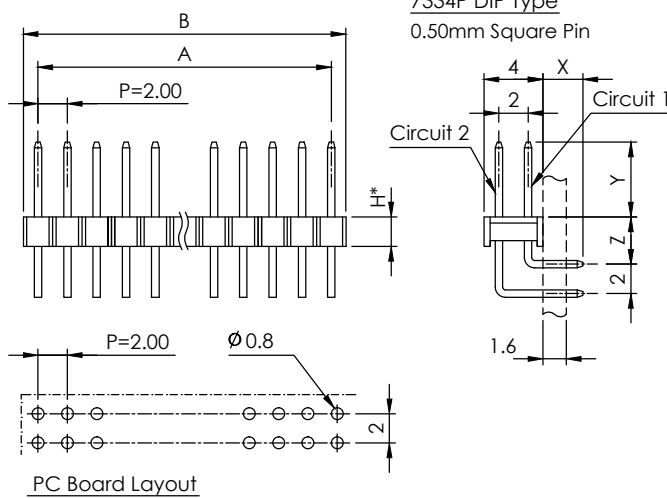
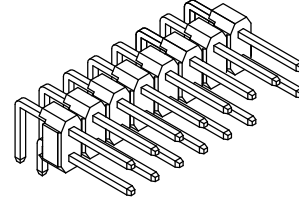
Specifications

- ◇ Current rating: 2A AC/DC Max.
- ◇ Voltage Range: 125V AC,DC
- ◇ Withstand Voltage: 500V AC/Minute
- ◇ Contact Resistance: 20 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Mates with special height of Dual-Row Plug Housing
- ◇ Mates with special height of 7338P series Receptacle Header
- ◇ GWT 850° C rated product is available

7334P PIN Header / Right-angle type
Dual-row / 1- layer of insulation



Ordering Information

PIN Nos	Dimension		PIN Nos	Dimension		PIN Nos	Dimension	
	A	B		A	B		A	B
4	2.0	4	30	28.0	30	56	54.0	56
6	4.0	6	32	30.0	32	58	56.0	58
8	6.0	8	34	32.0	34	60	58.0	60
10	8.0	10	36	34.0	36	62	60.0	62
12	10.0	12	38	36.0	38	64	62.0	64
14	12.0	14	40	38.0	40	66	64.0	66
16	14.0	16	42	40.0	42	68	66.0	68
18	16.0	18	44	42.0	44	70	68.0	70
20	18.0	20	46	44.0	46	72	70.0	72
22	20.0	22	48	46.0	48	74	72.0	74
24	22.0	24	50	48.0	50	76	74.0	76
26	24.0	26	52	50.0	52	78	76.0	78
28	26.0	28	54	52.0	54	80	78.0	80

Material

Base	Glass-filled PBT 94V-0, Black
Contact	Brass

※ PART NUMBER ASSIGNMENT:

ex. 7334P XX XXX X (DIP Type)

XX : Circuit Nos (PIN Numbers)

XXX : Type No. of defined X, Y, Z Dimension, Max. 3-digit

X : Plating Selection, 1... Gold flash, V... Matte tin

※ Please contact sales for P/N of required dimension.

Dimension (7334P / DIP)

Type No.	Part No.	Dimension			
		X	Y	Z	H*
01	7334PXX01X	2.8	4.0	3.0	2.0
02	7334PXX02X	3.0	3.5	3.0	2.0
03	7334PXX03X	3.0	3.8	3.7	2.0
04	7334PXX04X	2.8	4.0	2.3	2.0
05	7334PXX05X	2.8	3.8	2.3	2.0

NOTE: Not all type listed, please contact for applicable P/N.

2.0 Pitch 7334 SERIES CONNECTOR



2.0 mm Pitch Wire-to-Board, Board-to-Board Pin-Header



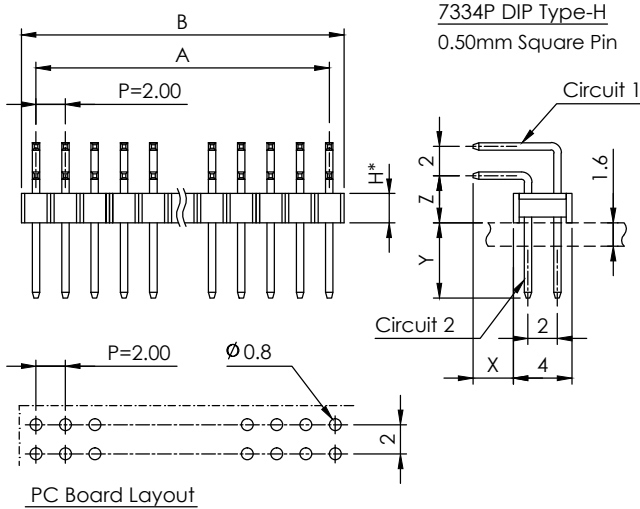
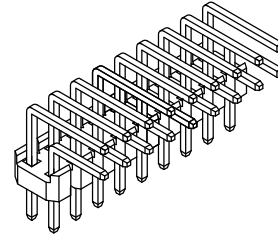
Specifications

- ◇ Current rating: 2A AC/DC Max.
- ◇ Voltage Range: 125V AC,DC
- ◇ Withstand Voltage: 500V AC/Minute
- ◇ Contact Resistance: 20 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Mates with special height of Dual-Row Plug Housing
- ◇ Mates with special height of 7338P series Receptacle Header
- ◇ GWT 850° C rated product is available

7334P PIN Header / Right-angle type Dual-row (Type H)



Ordering Information

PIN Nos	Dimension		PIN Nos	Dimension		PIN Nos	Dimension	
	A	B		A	B		A	B
4	2.0	4	30	28.0	30	56	54.0	56
6	4.0	6	32	30.0	32	58	56.0	58
8	6.0	8	34	32.0	34	60	58.0	60
10	8.0	10	36	34.0	36	62	60.0	62
12	10.0	12	38	36.0	38	64	62.0	64
14	12.0	14	40	38.0	40	66	64.0	66
16	14.0	16	42	40.0	42	68	66.0	68
18	16.0	18	44	42.0	44	70	68.0	70
20	18.0	20	46	44.0	46	72	70.0	72
22	20.0	22	48	46.0	48	74	72.0	74
24	22.0	24	50	48.0	50	76	74.0	76
26	24.0	26	52	50.0	52	78	76.0	78
28	26.0	28	54	52.0	54	80	78.0	80

Material

Base	Glass-filled PBT 94V-0, Black
Contact	Brass

※ PART NUMBER ASSIGNMENT:

ex. 7334P XX H XXX X (DIP Type)

XX : Circuit Nos (PIN Numbers)

XXX : Type No. of defined X, Y, Z Dimension, Max. 3-digit

X : Plating Selection, 1... Gold flash, V... Matte tin

※ Please contact sales for P/N of required dimension.

Dimension (7334P / DIP Type-H)

Type No.	Part No.	Dimension			
		X	Y	Z	H*
H001	7334PXXH001X	3.5	3.5	2.3	2.0

NOTE: Not all type listed, please contact for applicable P/N.

2.0 Pitch 7335 SERIES CONNECTOR



2.0 mm Pitch Wire-to-Board, Board-to-Board Pin-Header



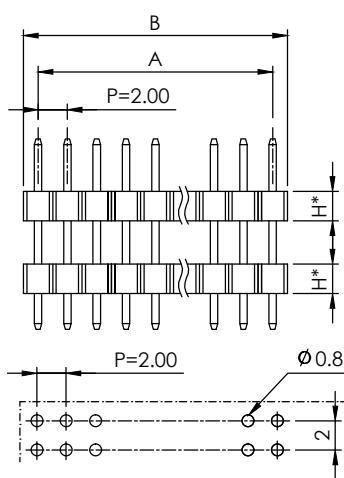
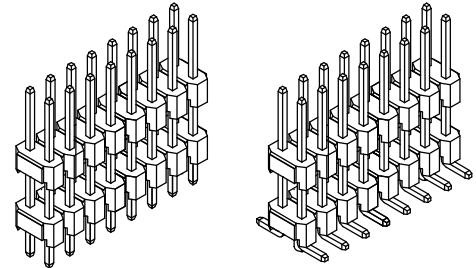
Specifications

- ◇ Current rating: 2A AC/DC Max.
- ◇ Voltage Range: 125V AC,DC
- ◇ Withstand Voltage: 500V AC/Minute
- ◇ Contact Resistance: 20 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

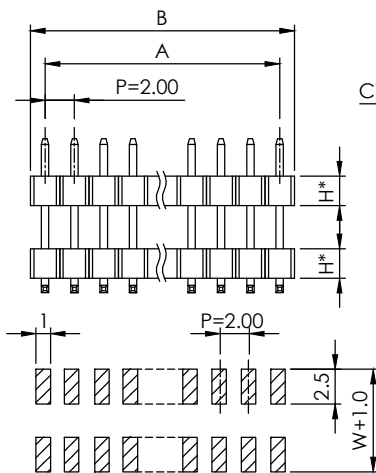
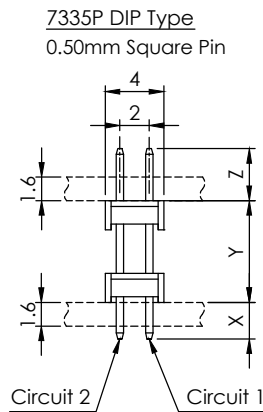
Reference

- ◇ Mates with special height of Dual-Row Plug Housing
- ◇ Mates with special height of 7338P series Receptacle Header
- ◇ GWT 850° C rated product is available

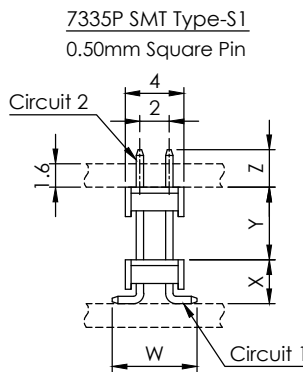
7335P PIN Header / straight type
Dual-row / 2- layer of insulation



PC Board Layout



PC Board Layout



Ordering Information

PIN Nos	Dimension		PIN Nos	Dimension		PIN Nos	Dimension	
	A	B		A	B		A	B
4	2.0	4	30	28.0	30	56	54.0	56
6	4.0	6	32	30.0	32	58	56.0	58
8	6.0	8	34	32.0	34	60	58.0	60
10	8.0	10	36	34.0	36	62	60.0	62
12	10.0	12	38	36.0	38	64	62.0	64
14	12.0	14	40	38.0	40	66	64.0	66
16	14.0	16	42	40.0	42	68	66.0	68
18	16.0	18	44	42.0	44	70	68.0	70
20	18.0	20	46	44.0	46	72	70.0	72
22	20.0	22	48	46.0	48	74	72.0	74
24	22.0	24	50	48.0	50	76	74.0	76
26	24.0	26	52	50.0	52	78	76.0	78
28	26.0	28	54	52.0	54	80	78.0	80

※ PART NUMBER ASSIGNMENT:

ex. 7335P XX XXX X (DIP Type)

XX : Circuit Nos (PIN Numbers)

XXX : Type No. of defined X, Y, Z Dimension, Max. 3-digit

X : Plating Selection, 1... Gold flash, V... Matte tin

Material : PIN... Brass

BASE... Glass-filled PBT 94V-0, black

※ PART NUMBER ASSIGNMENT:

ex. 7335P XX S1 YY X (SMT Type-S1)

YY : Type No. of defined X, Y, Z Dimension, Max. 2-digit

Material : PIN... Brass

BASE... HIGH HDT Nylon-GF 94V-0, black

※ Please contact sales for P/N of required dimension.

Dimension (7335P / DIP)

Type No.	Part No.	Dimension			
		X	Y	Z	H*
01	7335PXX01X	2.8	7.5	4.0	2.0
02	7335PXX02X	3.0	8.8	2.0	2.0
03	7335PXX03X	3.1	10.5	3.1	2.0

NOTE: Not all type listed, please contact for applicable P/N.

Dimension (7335P / SMT)

Type No.	Part No.	Dimension				
		X	Y	Z	W	H*
S101	7335PXXS101X	3.3	10.0	4.0	6.6	2.0

NOTE: Not all type listed, please contact for applicable P/N.

2.0 Pitch 7338 SERIES CONNECTOR



2.0 mm Pitch Board-to-Board Connector



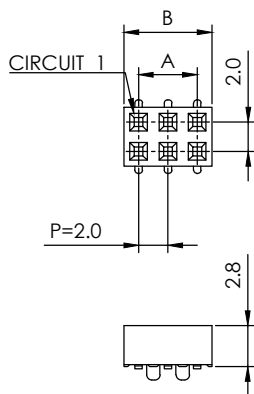
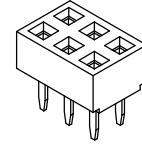
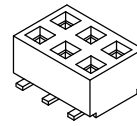
7338P Receptacle Connector

Specifications

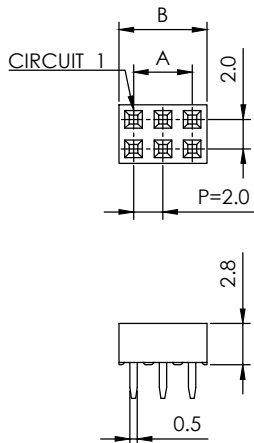
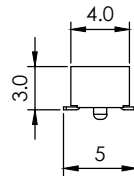
- ◇ Current rating: 2A AC/DC Max.
- ◇ Voltage Range: 125V AC,DC
- ◇ Withstand Voltage: 500V AC/Minute
- ◇ Contact Resistance: 20 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

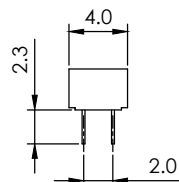
- ◇ Mates with 7333P to 7335P series Dual-Row PIN Header
- ◇ GWT 850° C rated product is available



SMT Type



DIP Type



Ordering Information

PIN Nos	Dimension		PIN Nos	Dimension	
	A	B		A	B
4	2.0	4.0	28	26.0	28.0
6	4.0	6.0	30	28.0	30.0
8	6.0	8.0	32	30.0	32.0
10	8.0	10.0	34	32.0	34.0
12	10.0	12.0	36	34.0	36.0
14	12.0	14.0	38	36.0	38.0
16	14.0	16.0	40	38.0	40.0
18	16.0	18.0	42	40.0	42.0
20	18.0	20.0	44	42.0	44.0
22	20.0	22.0	46	44.0	46.0
24	22.0	24.0	48	46.0	48.0
26	24.0	26.0	50	48.0	50.0

※ PART NUMBER ASSIGNMENT:

ex. 7338P XX S111 X (SMT Type)

XX... Circuit Nos (PIN Numbers)

X... Plating Selection, 1... Gold, V... Matte tin-plated

Material: PIN... Brass

BASE... HIGH HDT Nylon-GF 94V-0, black

※ PART NUMBER ASSIGNMENT:

ex. 7338P XX J 9 X (DIP Type)

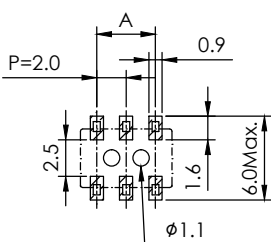
Material: PIN... Brass

BASE ... HIGH HDT Nylon-GF 94V-0, black

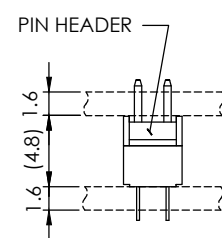
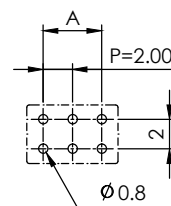
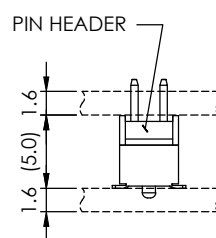
※ Contact sales for available P/N up to date.

P.C. Board Layout / Assembly Layout

SMT Type



DIP Type



2.0 Pitch 7338 SERIES CONNECTOR



2.0 mm Pitch Board-to-Board Connector



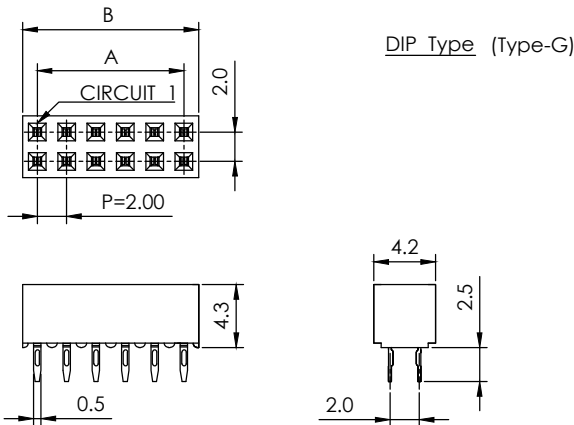
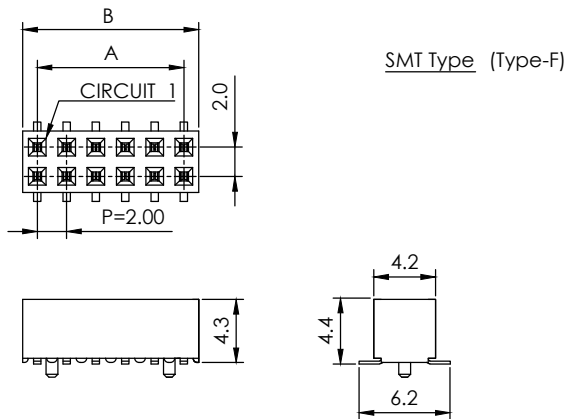
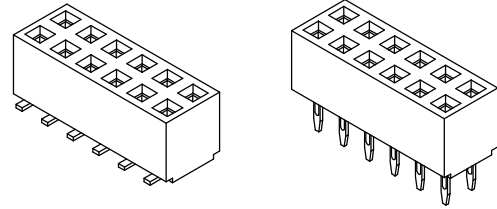
Specifications

- ◇ Current rating: 2A AC/DC Max.
- ◇ Voltage Range: 125V AC,DC
- ◇ Withstand Voltage: 500V AC/Minute
- ◇ Contact Resistance: 20 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Mates with 7333P to 7335P series Dual-Row PIN Header
- ◇ GWT 850° C rated product is available

7338P Receptacle Connector



Ordering Information

PIN Nos	Dimension		PIN Nos	Dimension	
	A	B		A	B
4	2.0	4.0	28	26.0	28.0
6	4.0	6.0	30	28.0	30.0
8	6.0	8.0	32	30.0	32.0
10	8.0	10.0	34	32.0	34.0
12	10.0	12.0	36	34.0	36.0
14	12.0	14.0	38	36.0	38.0
16	14.0	16.0	40	38.0	40.0
18	16.0	18.0	42	40.0	42.0
20	18.0	20.0	44	42.0	44.0
22	20.0	22.0	46	44.0	46.0
24	22.0	24.0	48	46.0	48.0
26	24.0	26.0	50	48.0	50.0

※ PART NUMBER ASSIGNMENT:

ex. 7338P XX F 9 X - B1 (SMT Type)

XX... Circuit Nos (PIN Numbers)

X... Plating Selection, 1... Gold, V... Matte tin-plated

B1... With PEG, B2... Without PEG

Material : PIN... Brass

BASE... HIGH HDT Nylon-GF 94V-0, black

※ PART NUMBER ASSIGNMENT:

ex. 7338P XX G 9 X - B2 (DIP Type)

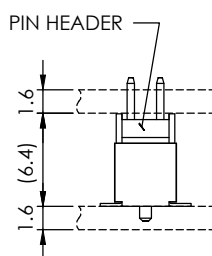
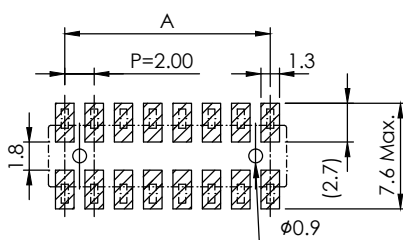
Material: PIN... Brass

BASE ... HIGH HDT Nylon-GF 94V-0, black

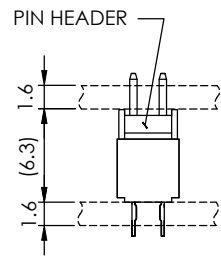
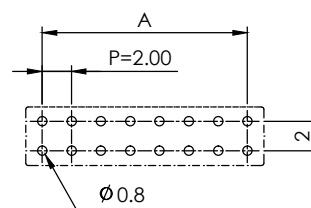
※ Contact sales for available P/N up to date.

P.C. Board Layout / Assembly Layout

SMT Type (Type-F)



DIP Type (Type-G)



2.0 Pitch 7338 SERIES CONNECTOR



2.0 mm Pitch Board-to-Board Connector



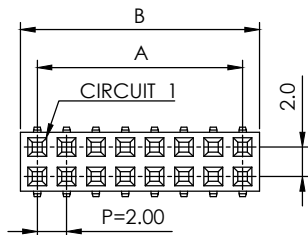
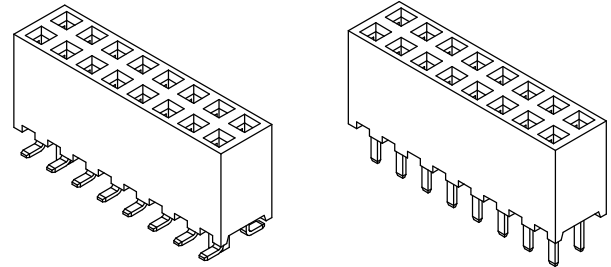
7338P Receptacle Connector

Specifications

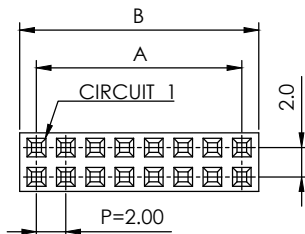
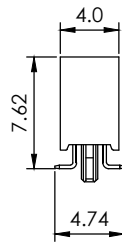
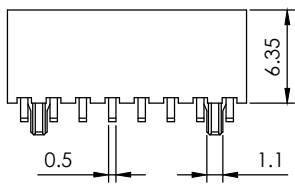
- ◇ Current rating: 2A AC/DC Max.
- ◇ Voltage Range: 125V AC,DC
- ◇ Withstand Voltage: 500V AC/Minute
- ◇ Contact Resistance: 20 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

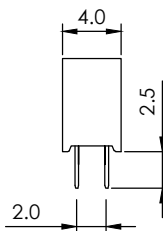
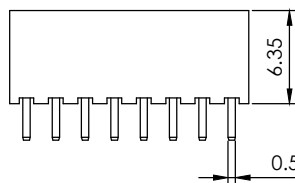
- ◇ Mates with 7333P to 7335P series Dual-Row PIN Header
- ◇ GWT 850° C rated product is available



SMT Type



DIP Type



Ordering Information

PIN Nos	Dimension		PIN Nos	Dimension	
	A	B		A	B
4	2.0	4.3	28	26.0	28.3
6	4.0	6.3	30	28.0	30.3
8	6.0	8.3	32	30.0	32.3
10	8.0	10.3	34	32.0	34.3
12	10.0	12.3	36	34.0	36.3
14	12.0	14.3	38	36.0	38.3
16	14.0	16.3	40	38.0	40.3
18	16.0	18.3	42	40.0	42.3
20	18.0	20.3	44	42.0	44.3
22	20.0	22.3	46	44.0	46.3
24	22.0	24.3	48	46.0	48.3
26	24.0	26.3	50	48.0	50.3

※ PART NUMBER ASSIGNMENT:

ex. 7338P XX S210 X (SMT Type)

XX... Circuit Nos (PIN Numbers)

X... Plating Selection, 1... Gold, V... Matte tin-plated

Material: PIN... Brass

BASE... HIGH HDT Nylon-GF 94V-0, black

※ PART NUMBER ASSIGNMENT:

ex. 7338P XX H 5 X (DIP Type)

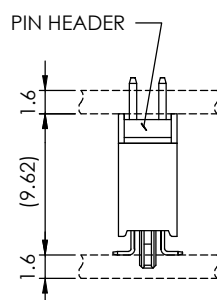
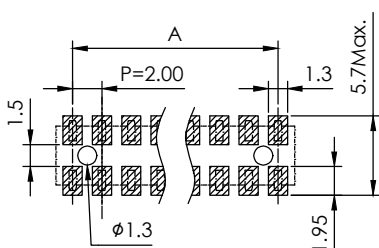
Material: PIN... Brass

BASE ... HIGH HDT Nylon-GF 94V-0, black

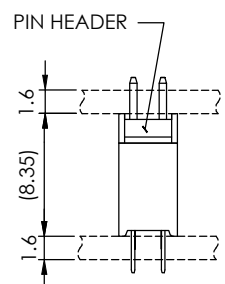
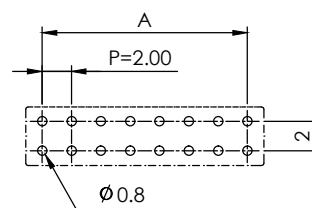
※ Contact sales for available P/N up to date.

P.C. Board Layout / Assembly Layout

SMT Type



DIP Type



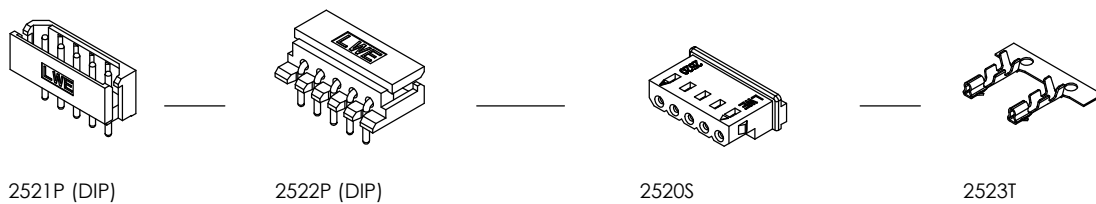
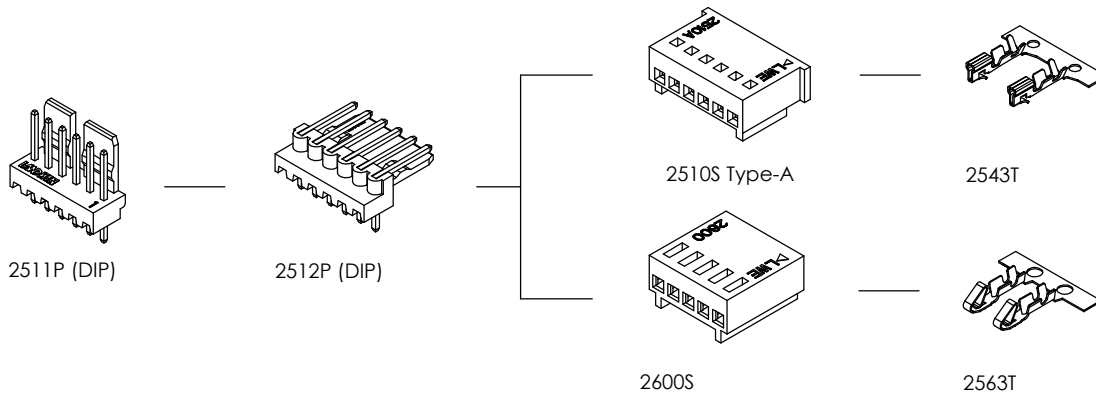
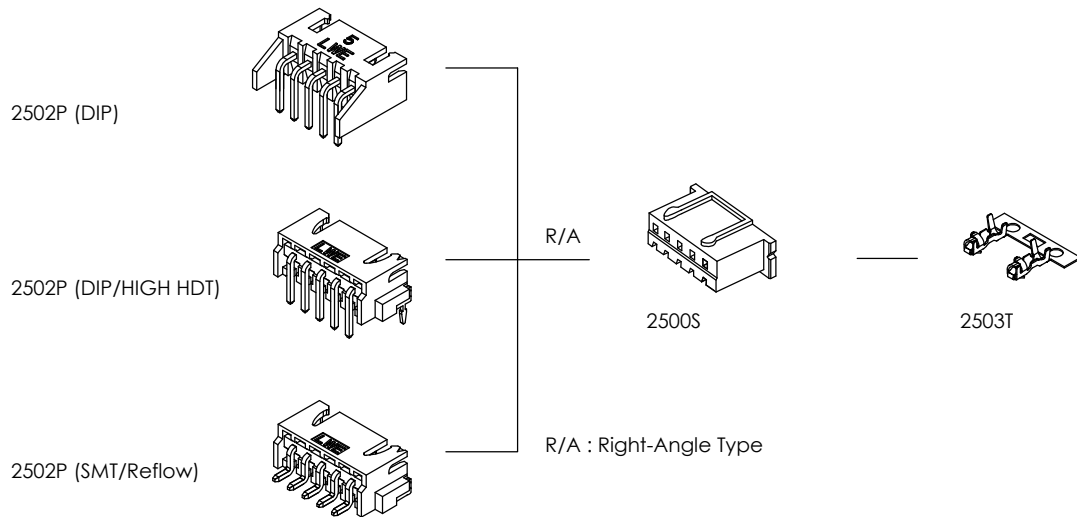
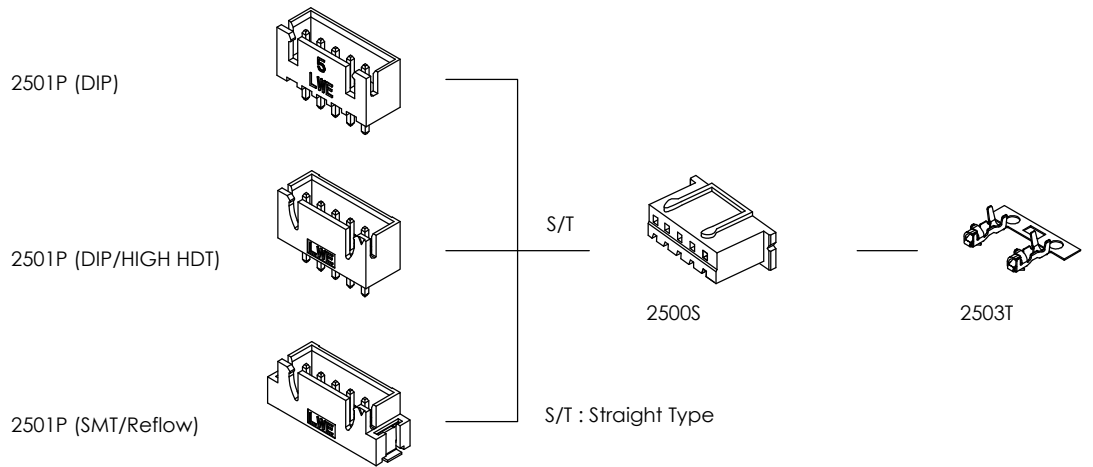
2.5 Pitch SERIES



2.5 mm Pitch Connectors - Application Overview

RoHS REACH LF HFA

Wire-to-Board / Single-Row



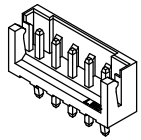
2.5 Pitch SERIES



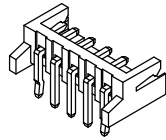
2.5 mm Pitch Connectors - Application Overview

RoHS REACH LF HFA

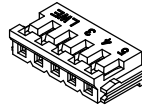
Wire-to-Board / Single-Row



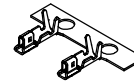
2531P (DIP)



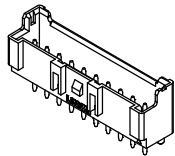
2532P (DIP)



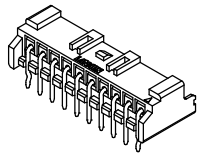
2530S



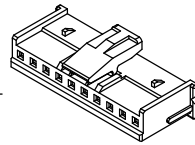
2533T



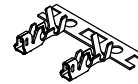
2621P (DIP)



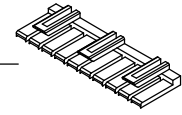
2622P (DIP)



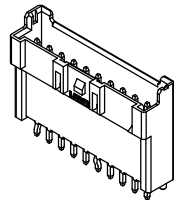
2620S



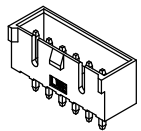
2623T



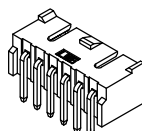
2620A (T.P.A.)



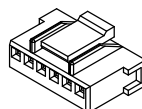
2621P (DIP) Type-H



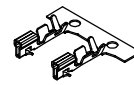
2641P (DIP)



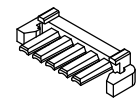
2642P (DIP)



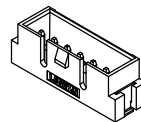
2640S Type-A



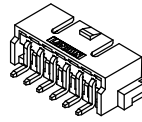
2543T



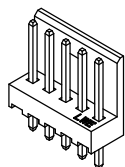
2640A (T.P.A.)



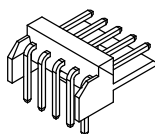
2641P (SMT)



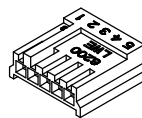
2642P (SMT)



6202 (DIP)



6203 (DIP)



6200S



6203T

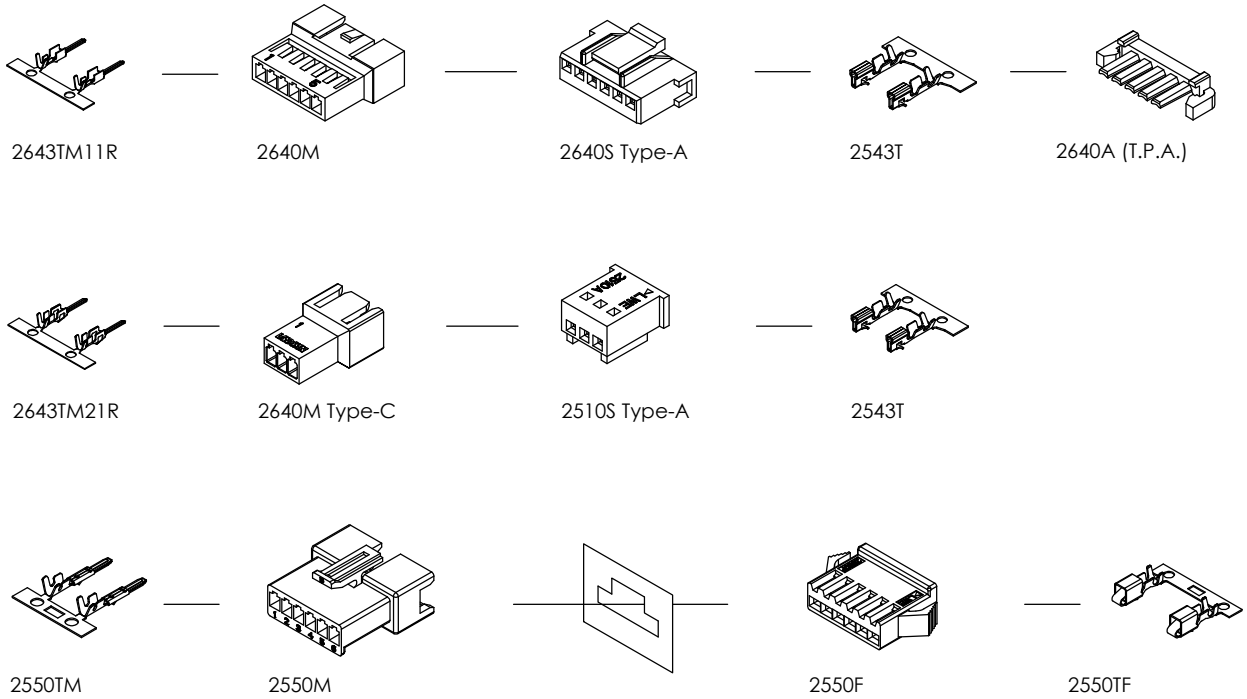
2.5 Pitch SERIES



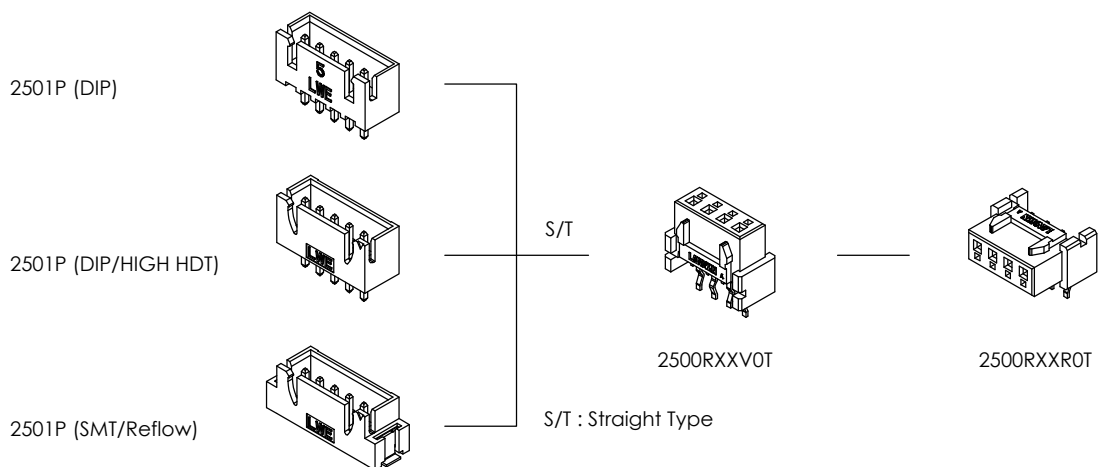
2.5 mm Pitch Connectors - Application Overview

RoHS REACH LF HFA

Wire-to-Wire / Single-Row



Board-to-Board / Single-Row



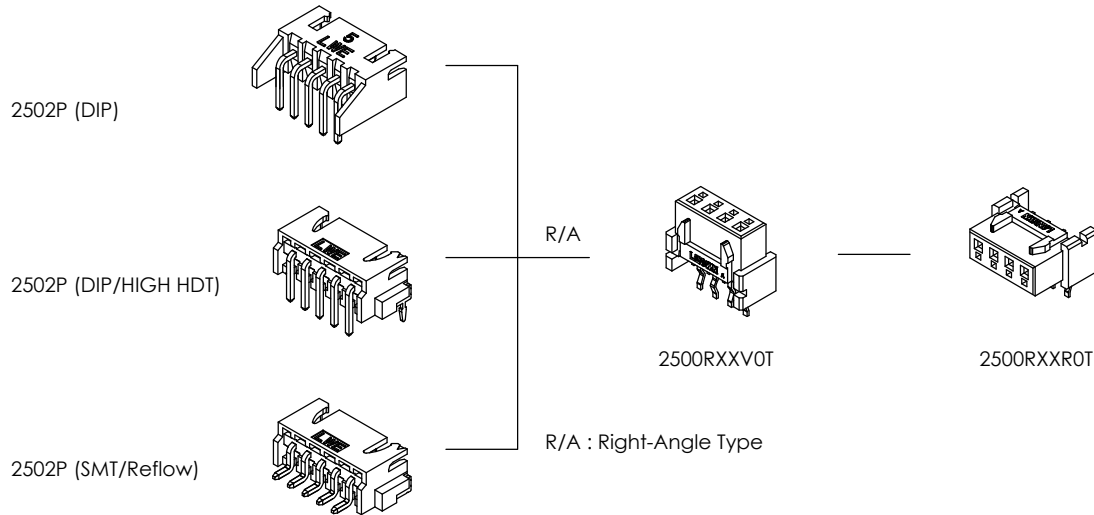
2.5 Pitch SERIES



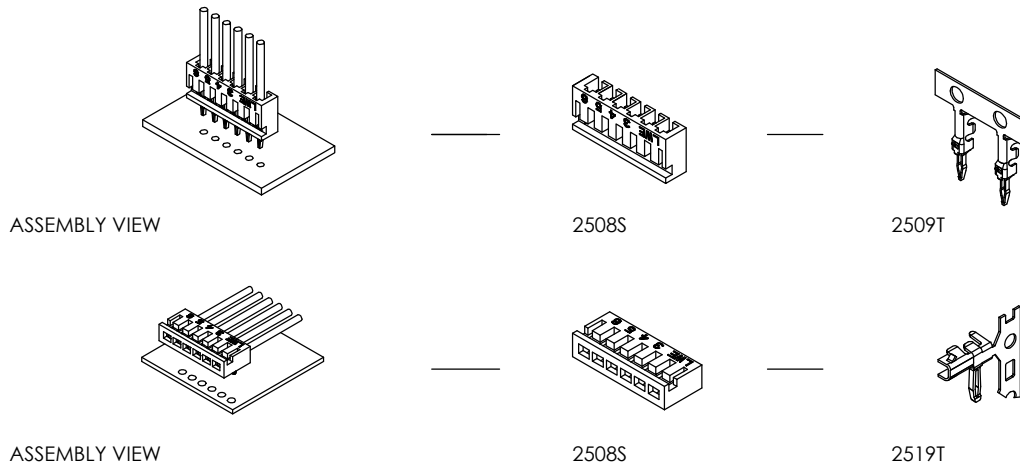
2.5 mm Pitch Connectors - Application Overview

RoHS REACH LF HFA

Board-to-Board / Single-Row



Board-In Connectors



2.5 Pitch 2500 SERIES CONNECTOR



2.5 mm Pitch Wire-to-Board Connector

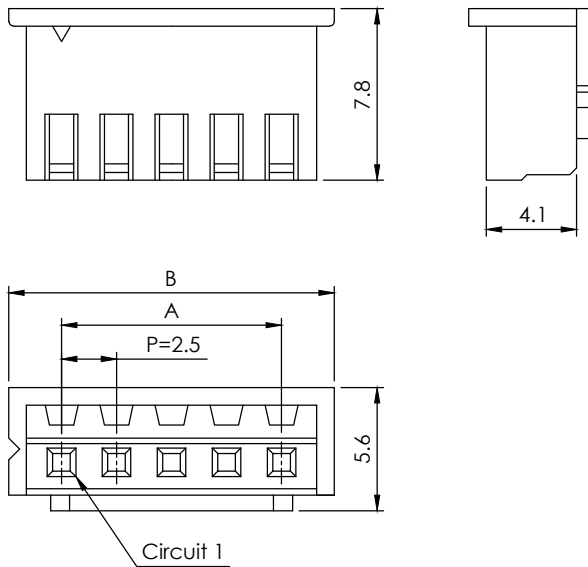


Specifications

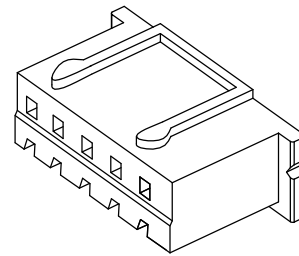
- ◇ Current rating: 3A AC/DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 1000V AC/Minute
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Mates with 2501P, 2502P series Single-Row Header
- ◇ Use with 2503T series Crimp Terminal
- ◇ Certification: UL
- ◇ GWT 850° C rated product is available
- ◇ Applicable wire gauge: AWG 22 - 28



2500S Single-Row Plug Housing



Ordering Information

Circuits	Part No.	Dimension		
		A	B	C
2	2500S02 00	2.5	5.7	7.3
3	2500S03 00	5.0	8.2	9.8
4	2500S04 00	7.5	10.7	12.3
5	2500S05 00	10.0	13.2	14.8
6	2500S06 00	12.5	15.7	17.3
7	2500S07 00	15.0	18.2	19.8
8	2500S08 00	17.5	20.7	22.3
9	2500S09 00	20.0	23.2	24.8
10	2500S10 00	22.5	25.7	27.3
11	2500S11 00	25.0	28.2	29.8
12	2500S12 00	27.5	30.7	32.3
13	2500S13 00	30.0	33.2	34.8
14	2500S14 00	32.5	35.7	37.3
15	2500S15 00	35.0	38.2	39.8
16	2500S16 00	37.5	40.7	42.3

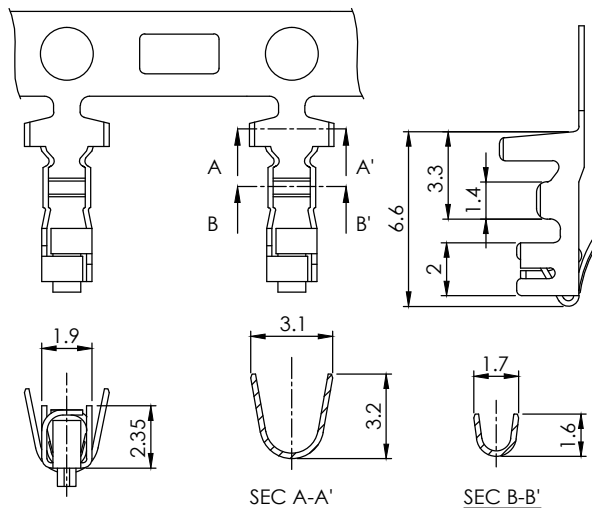
Material

Nylon 66 94V-0, White (natural)

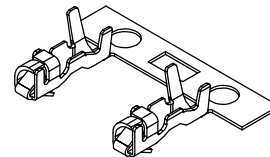
※ Color Identification: the following alphabet shall be added,
ex. 2500S 12 00 - B
12... Circuit no.
B... Black, E... Blue, R... Red color

Reference

- ◇ Use with 2500S series Plug Housing



2503T Crimp Terminal



Ordering Information

Part No.	Applicable Wire		
	AWG #	Insulation O.D. mm	Q'ty / Reel
2503T011R	22 - 28	1.9 Max.	8,000
2503T012R	22 - 28	1.9 Max.	8,000

Material

Part No.	Material
2503T011R	Phosphor Bronze, Tin-plated
2503T012R	Brass, Tin-plated

2.5 Pitch 2500 SERIES CONNECTOR



2.5 mm Pitch Wire-to-Board Connector



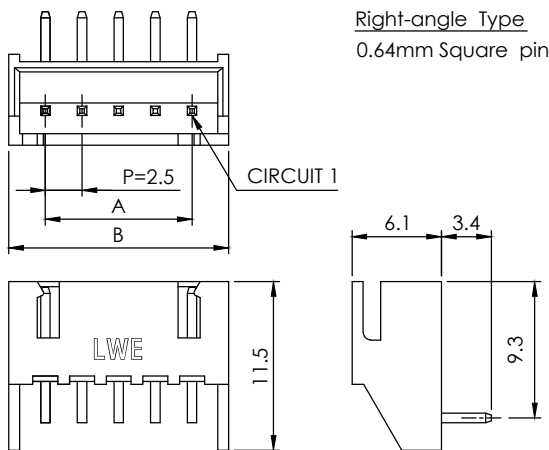
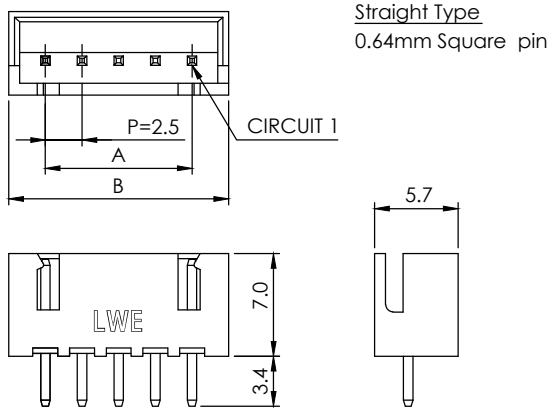
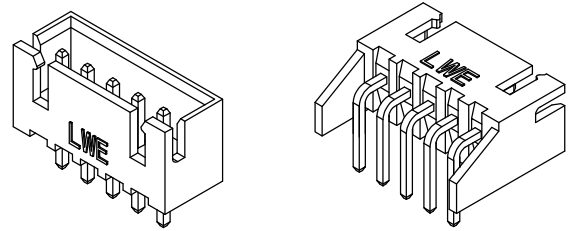
Specifications

- ◇ Current rating: 3A AC/DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 1000V AC/Minute
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Mates with 2500S series Plug Housing
- ◇ Mates with 2500R series Receptacle Header
- ◇ Certification: Refer to 2500S series
- ◇ GWT 850° C rated product is available

2501P, 2502P DIP Header



Ordering Information

Circuits	Part No.		Dimension	
	Straight	Right-Angle	A	B
2	2501P02 00T	2502P02 00T	2.5	7.5
3	2501P03 00T	2502P03 00T	5.0	10.0
4	2501P04 00T	2502P04 00T	7.5	12.5
5	2501P05 00T	2502P05 00T	10.0	15.0
6	2501P06 00T	2502P06 00T	12.5	17.5
7	2501P07 00T	2502P07 00T	15.0	20.0
8	2501P08 00T	2502P08 00T	17.5	22.5
9	2501P09 00T	2502P09 00T	20.0	25.0
10	2501P10 00T	2502P10 00T	22.5	27.5
11	2501P11 00T	2502P11 00T	25.0	30.0
12	2501P12 00T	2502P12 00T	27.5	32.5
13	2501P13 00T	2502P13 00T	30.0	35.0
14	2501P14 00T	2502P14 00T	32.5	37.5
15	2501P15 00T	2502P15 00T	35.0	40.0
16	2501P16 00T	2502P16 00T	37.5	42.5

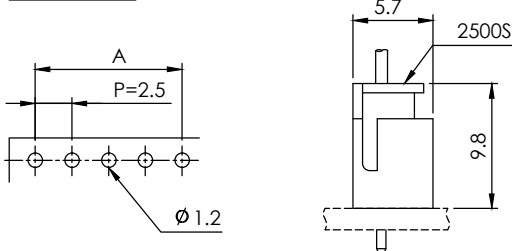
Material

Part	Material
Base	Nylon 66 94V-0, White (natural)
Contact	Brass, Tin-plated

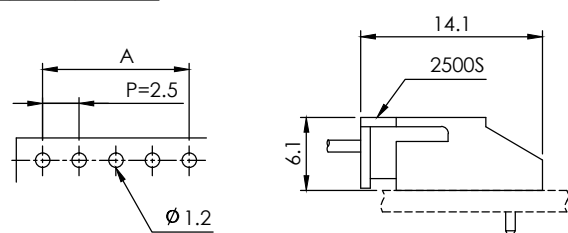
※ Color Identification: the following alphabet shall be added,
 ex. 2501P 12 00 T - B
 12... Circuit no.
 T... Tin-plated, V... Matte tin-plated
 B... Black, E... Blue, R... Red color

P.C. Board Layout / Assembly Layout

Straight Type



Right-angle Type



2.5 Pitch 2500 SERIES CONNECTOR



2.5 mm Pitch Wire-to-Board Connector



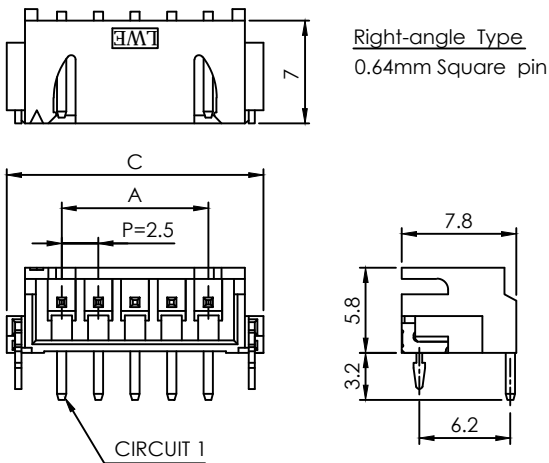
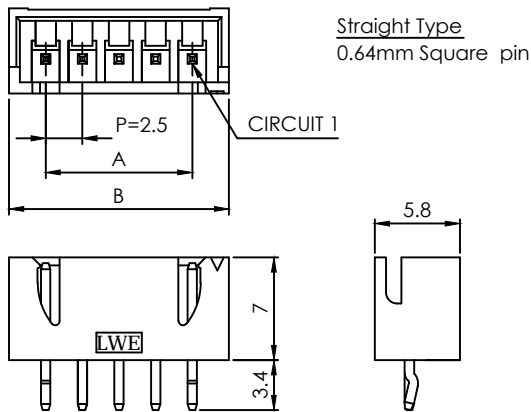
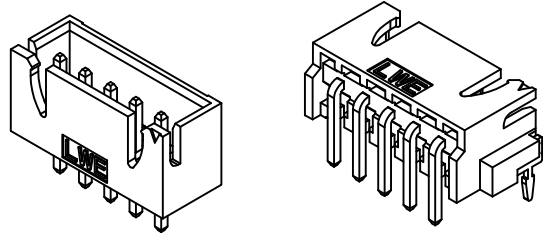
Specifications

- ◇ Current rating: 3A AC/DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 1000V AC/Minute
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Mates with 2500S series Plug Housing
- ◇ Mates with 2500R series Receptacle Header
- ◇ Certification: Refer to 2500S series
- ◇ GWT 850° C rated product

2501P, 2502P DIP Header



Ordering Information: REFLOW SOLDER SERIES

Circuits	Part No.		Dimension		
	Straight	Right-Angle	A	B	C
2	2501P02 09V	2502P02 09V	2.5	7.5	10.0
3	2501P03 09V	2502P03 09V	5.0	10.0	12.5
4	2501P04 09V	2502P04 09V	7.5	12.5	15.0
5	2501P05 09V	2502P05 09V	10.0	15.0	17.5
6	2501P06 09V	2502P06 09V	12.5	17.5	20.0
7	2501P07 09V	2502P07 09V	15.0	20.0	22.5
8	2501P08 09V	2502P08 09V	17.5	22.5	25.0
9	2501P09 09V	2502P09 09V	20.0	25.0	27.5
10	2501P10 09V	2502P10 09V	22.5	27.5	30.0
11	2501P11 09V	2502P11 09V	25.0	30.0	32.5
12	2501P12 09V	2502P12 09V	27.5	32.5	35.0
13	2501P13 09V	2502P13 09V	30.0	35.0	37.5
14	2501P14 09V	2502P14 09V	32.5	37.5	40.0
15	2501P15 09V	2502P15 09V	35.0	40.0	42.5

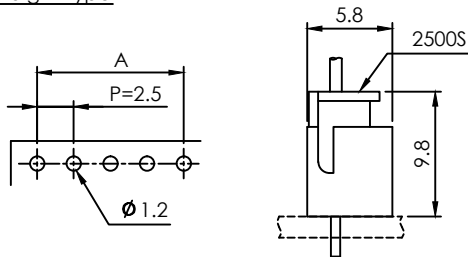
Material

Part	Material
Base	HIGH HDT Nylon-GF 94V-0, Ivory Color
Contact	Brass, Matte tin-plated
Peg	

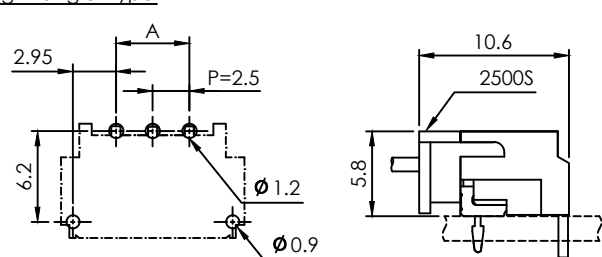
※ Color Identification: the following alphabet shall be added,
 ex. 2501P 12 09 X - B
 ex. 2502P 12 09 X - B
 12... Circuit no.
 X... Plating no.: V... Matte tin-plated
 B... Black, E... Blue, R... Red color

P.C. Board Layout / Assembly Layout

Straight Type



Right-angle Type



2.5 Pitch 2500 SERIES CONNECTOR



2.5 mm Pitch Wire-to-Board Connector



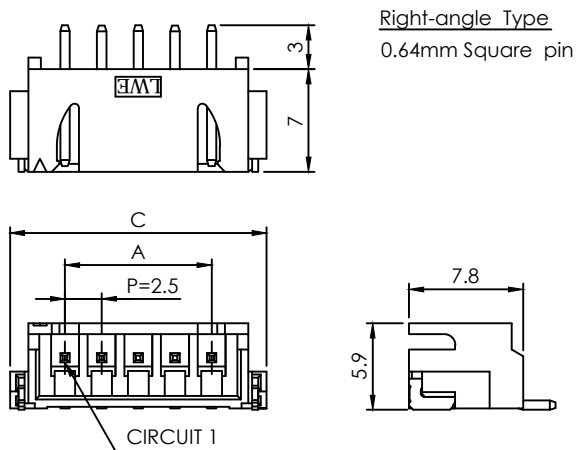
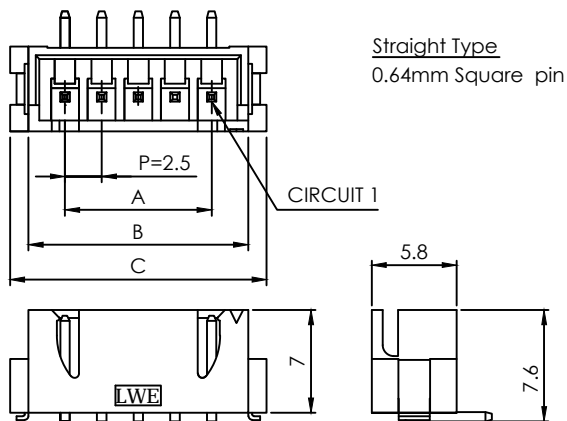
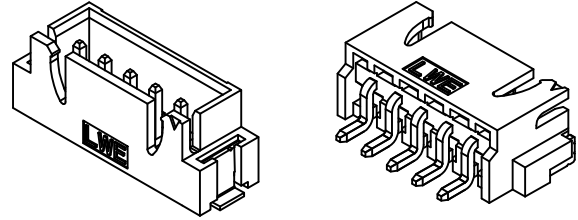
Specifications

- ◇ Current rating: 3A AC/DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 1000V AC/Minute
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Mates with 2500S series Plug Housing
- ◇ Mates with 2500R series Receptacle Header
- ◇ Certification: Refer to 2500S series
- ◇ GWT 850° C rated product

2502P DIP SMT Header



Ordering Information: REFLOW SOLDER SERIES

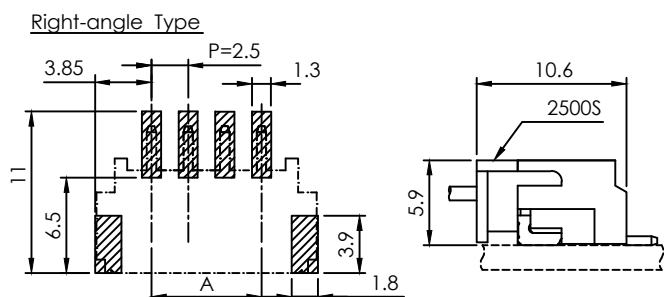
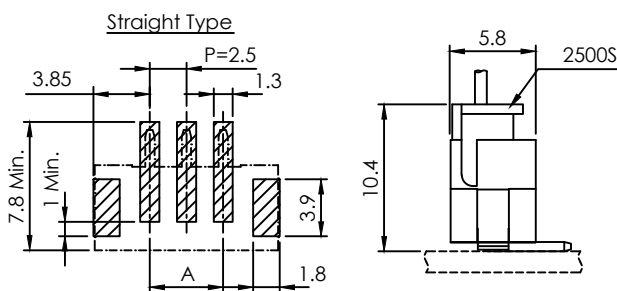
Circuits	Part No.		Dimension		
	Straight	Right-Angle	A	B	C
2	2501P02 S9V	2502P02 S9V	2.5	7.5	10.0
3	2501P03 S9V	2502P03 S9V	5.0	10.0	12.5
4	2501P04 S9V	2502P04 S9V	7.5	12.5	15.0
5	2501P05 S9V	2502P05 S9V	10.0	15.0	17.5
6	2501P06 S9V	2502P06 S9V	12.5	17.5	20.0
7	2501P07 S9V	2502P07 S9V	15.0	20.0	22.5
8	2501P08 S9V	2502P08 S9V	17.5	22.5	25.0
9	2501P09 S9V	2502P09 S9V	20.0	25.0	27.5
10	2501P10 S9V	2502P10 S9V	22.5	27.5	30.0
11	2501P11 S9V	2502P11 S9V	25.0	30.0	32.5
12	2501P12 S9V	2502P12 S9V	27.5	32.5	35.0
13	2501P13 S9V	2502P13 S9V	30.0	35.0	37.5
14	2501P14 S9V	2502P14 S9V	32.5	37.5	40.0
15	2501P15 S9V	2502P15 S9V	35.0	40.0	42.5

Material

Part	Material
Base	HIGH HDT Nylon-GF 94V-0, Ivory Color
Contact	Brass, Matte tin-plated
Peg	

※ Color Identification: the following alphabet shall be added,
 ex. 2501P 12 S9 X - B
 ex. 2502P 12 S9 X - B
 12... Circuit no.
 X... Plating no.: V... Matte tin-plated
 B... Black, E... Blue, R... Red color

P.C. Board Layout / Assembly Layout



2.5 Pitch 2500 SERIES CONNECTOR



2.5 mm Pitch Board-to-Board Connector



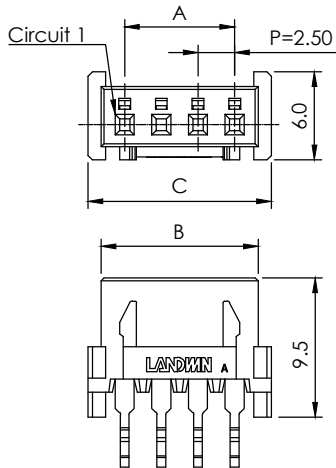
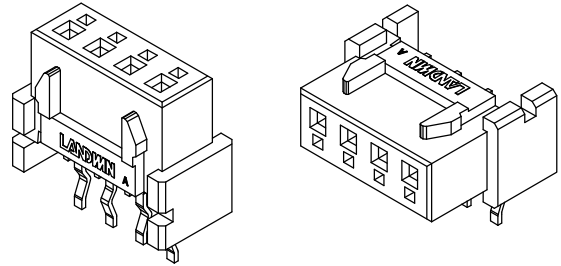
Specifications

- ◇ Current rating: 3A AC/DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 1000V AC/Minute
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

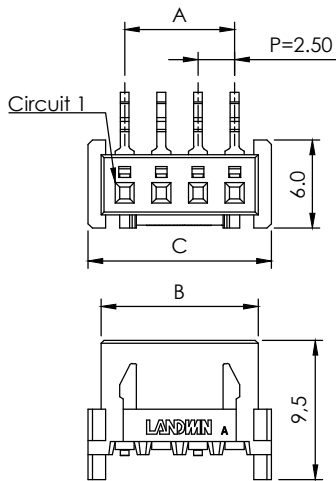
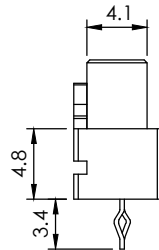
Reference

- ◇ Mates with 2501P, 2502P series Single-Row Header
- ◇ Certification: Refer to 2500S series

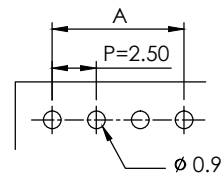
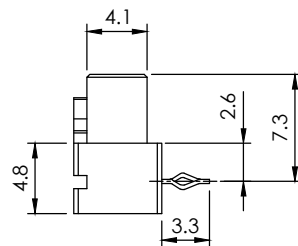
2500R Receptacle



Straight Type



Right-angle Type



PC Board Layout

Ordering Information

Circuits	Part No.		Dimension		
	Straight	Right-Angle	A	B	C
4	2500R04V0T	2500R04R0T	7.5	10.7	12.5
6	2500R06V0T	2500R06R0T	12.5	15.7	17.5
7	2500R07V0T	2500R07R0T	15.0	18.2	20.0

Material

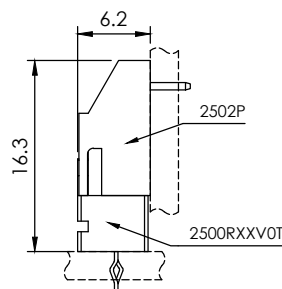
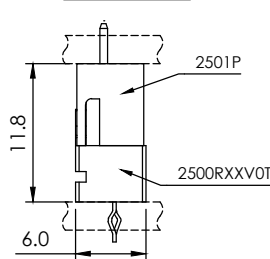
Part	Material / Finish
Base	Nylon 66 94V-0, White (natural)
Contact	Phosphor Bronze, tin-plated

※ Color Identification: the following alphabet shall be put
 ex. 2500R04 V0T - B
 ex. 2500R04 R0T - B
 04... Circuit no. B... black, R... red, E... blue, W... brown

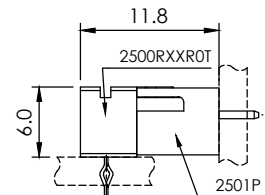
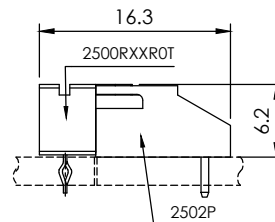
※ Contact sales for available P/N up to date.

Assembly Layout

Straight Type



Right-angle Type



2.5 Pitch 2510 SERIES CONNECTOR



2.5 mm Pitch Wire-to-Board Connector

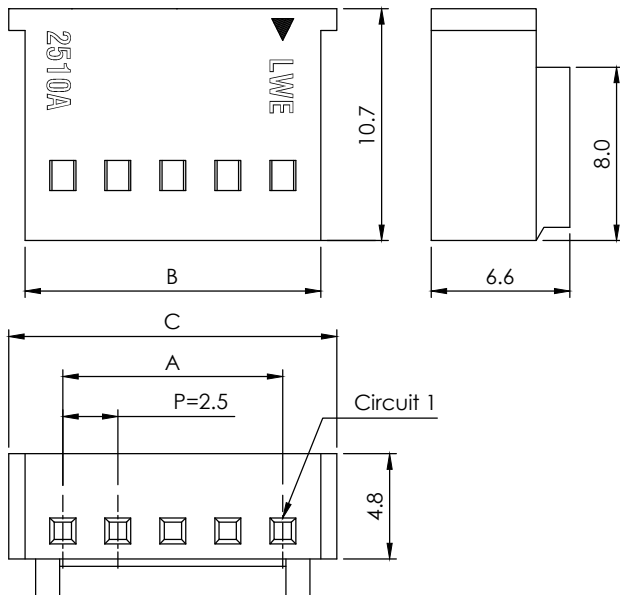


■ Specifications

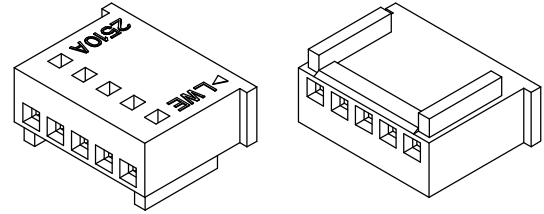
- ◇ Current rating: 3A AC/DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 1000V AC/Minute
- ◇ Contact Resistance: 20 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

■ Reference

- ◇ Mates with 2511P, 2512P series DIP Header
- ◇ Mates with 2640M Type-C series Receptacle Housing
- ◇ Use with 2543T series Crimp Terminal
- ◇ Certification: UL
- ◇ GWT 850° C rated product is available
- ◇ Applicable wire gauge: AWG 22 - 28



2510S Plug Housing (Type A)



Ordering Information

Circuits	Part No.	Dimension		
		A	B	C
2	2510S02A0	2.5	6.0	7.5
3	2510S03A0	5.0	8.5	10.0
4	2510S04A0	7.5	11.0	12.5
5	2510S05A0	10.0	13.5	15.0
6	2510S06A0	12.5	16.0	17.5
7	2510S07A0	15.0	18.5	20.0
8	2510S08A0	17.5	21.0	22.5
9	2510S09A0	20.0	23.5	25.0
10	2510S10A0	22.5	26.0	27.5
11	2510S11A0	25.0	28.5	30.0
12	2510S12A0	27.5	31.0	32.5
13	2510S13A0	30.0	33.5	35.0
14	2510S14A0	32.5	36.0	37.5
15	2510S15A0	35.0	38.5	40.0

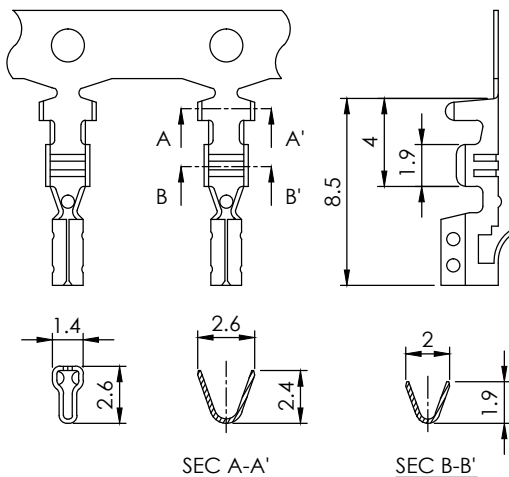
Material

Part	Material
Housing	Nylon 66 94V-0, Light ivory color

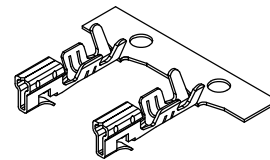
※ Color Identification: the following alphabet shall be added,
ex. 2510S 12 A0 - B
12... Circuit no.
B... Black, E... Blue, R... Red color

■ Reference

- ◇ Use with 2510S Type-A, 2540S, 2640S Type-A series Plug Housing



2543T Crimp Terminal



Ordering Information

Part No.	Applicable Wire		Q'ty / Reel
	AWG #	Insulation O.D. mm	
2543T011R	22 - 28	1.9 Max.	10,000

Material

Part No.	Material	Remark
2543T011R	Phosphor Bronze Tin-Plated	

2.5 Pitch 2600 SERIES CONNECTOR



2.5 mm Pitch Wire-to-Board Connector

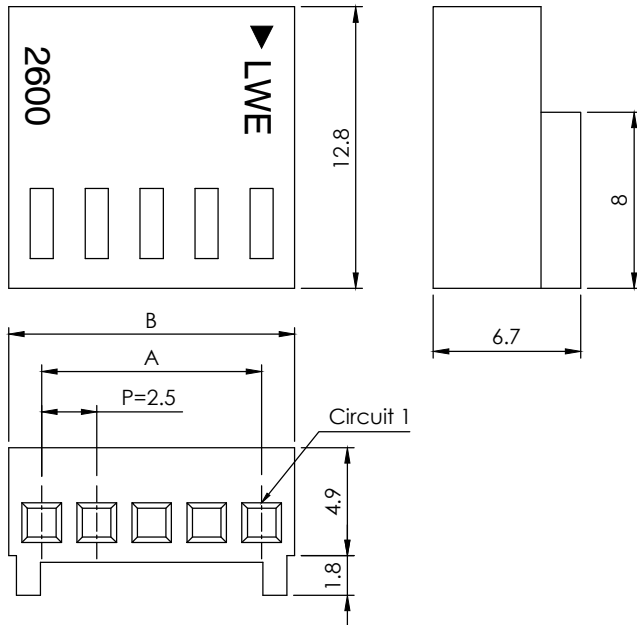


Specifications

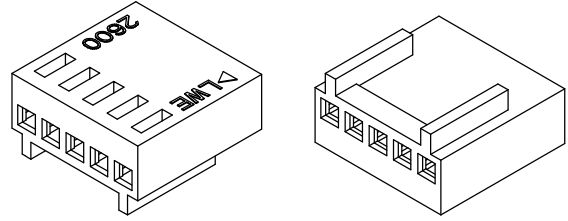
- ◇ Current rating: 3A AC/DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 1000V AC/Minute
- ◇ Contact Resistance: 20 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Mates with 2511P, 2512P series DIP Header
- ◇ Use with 2563T series Crimp Terminal
- ◇ Certification: UL
- ◇ GWT 850° C rated product is available
- ◇ Applicable wire gauge: AWG 22 - 28



2600S Plug Housing



Ordering Information

Circuits	Part No.	Dimension	
		A	B
2	2600S0200	2.5	5.5
3	2600S0300	5.0	8.0
4	2600S0400	7.5	10.5
5	2600S0500	10.0	13.0
6	2600S0600	12.5	15.5
7	2600S0700	15.0	18.0
8	2600S0800	17.5	20.5
9	2600S0900	20.0	23.0
10	2600S1000	22.5	25.5
11	2600S1100	25.0	28.0
12	2600S1200	27.5	30.5
13	2600S1300	30.0	33.0
14	2600S1400	32.5	35.5
15	2600S1500	35.0	38.0

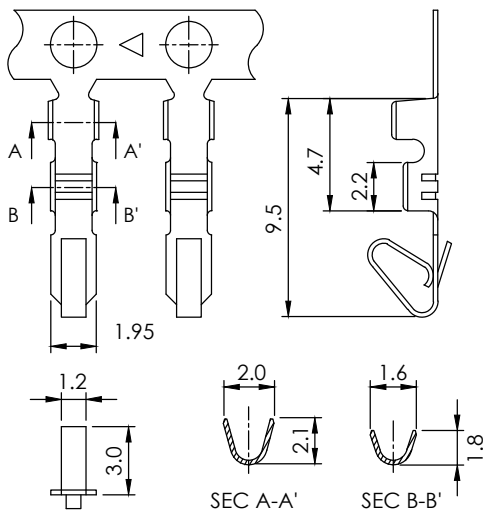
Material

Part	Material
Housing	Nylon 66 94V-0, Light ivory color

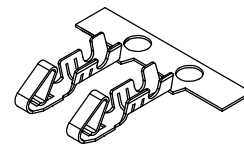
※ Color Identification: the following alphabet shall be added,
 ex. 2600S 12 00 - B
 12... Circuit no.
 B... Black, E... Blue, R... Red color

Reference

- ◇ Use with 2510S Type-1, 2560S, 2600S Series Plug Housing



2563T Crimp Terminal



Ordering Information

Part No.	Applicable Wire		
	AWG #	Insulation O.D. mm	Q'ty / Reel
2563T011R	22 - 28	1.9 Max.	10,000
2563T012R	22 - 28	1.9 Max.	10,000

Material

Part No.	Material
2563T011R	Phosphor Bronze, Tin-Plated
2563T012R	Brass, Tin-Plated

2.5 Pitch 2510 SERIES CONNECTOR



2.5 mm Pitch Wire-to-Board Connector



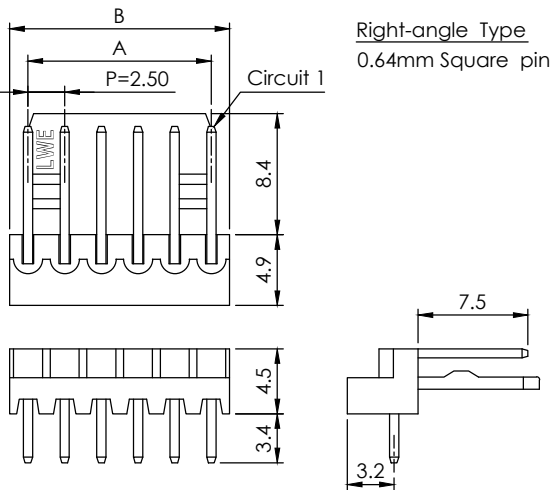
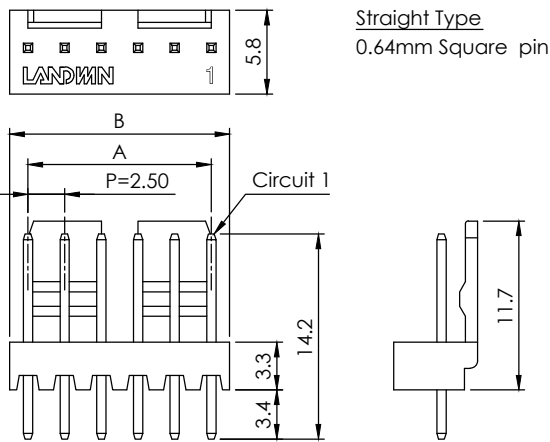
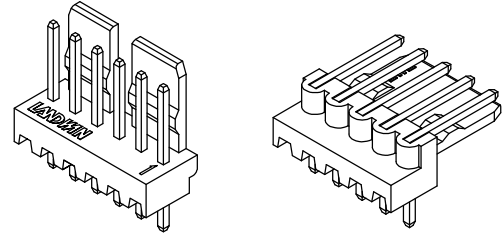
Specifications

- ◇ Current rating: 3A AC/DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 1000V AC/Minute
- ◇ Contact Resistance: 20 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Mates with 2510S Type-A, 2600S series Plug Housing
- ◇ Certification: Refer to 2510S series
- ◇ GWT 850° C rated product is available

2511P, 2512P DIP Header



Ordering Information

Circuits	Part No.		Dimension	
	Straight	Right-Angle	A	B
2	2511P0200T	2512P0200T	2.5	5.0
3	2511P0300T	2512P0300T	5.0	7.5
4	2511P0400T	2512P0400T	7.5	10.0
5	2511P0500T	2512P0500T	10.0	12.5
6	2511P0600T	2512P0600T	12.5	15.0
7	2511P0700T	2512P0700T	15.0	17.5
8	2511P0800T	2512P0800T	17.5	20.0
9	2511P0900T	2512P0900T	20.0	22.5
10	2511P1000T	2512P1000T	22.5	25.0
11	2511P1100T	2512P1100T	25.0	27.5
12	2511P1200T	2512P1200T	27.5	30.0
13	2511P1300T	2512P1300T	30.0	32.5
14	2511P1400T	2512P1400T	32.5	35.0
15	2511P1500T	2512P1500T	35.0	37.5

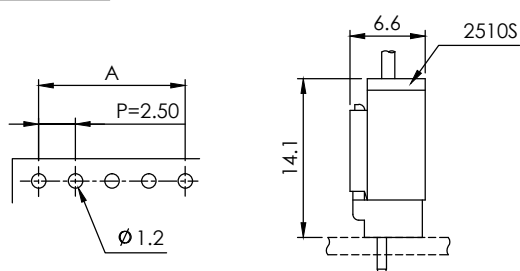
Material

Part	Material
Base	Nylon 66 94V-0, Light ivory color
Contact	Brass, Tin-plated

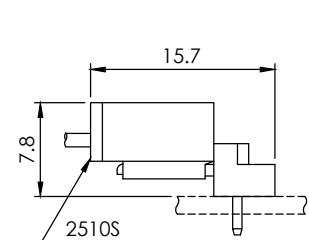
※ Color Identification: the following alphabet shall be added,
 ex. 2511P 12 00 T - B
 ex. 2512P 12 00 T - B
 12... Circuit no.
 T... Tin-plated, V... Matte tin-plated
 B... Black, E... Blue, R... Red color

P.C. Board Layout / Assembly Layout

Straight Type



Right-angle Type



2.5 Pitch 2520 SERIES CONNECTOR



2.5 mm Pitch Wire-to-Board Connector

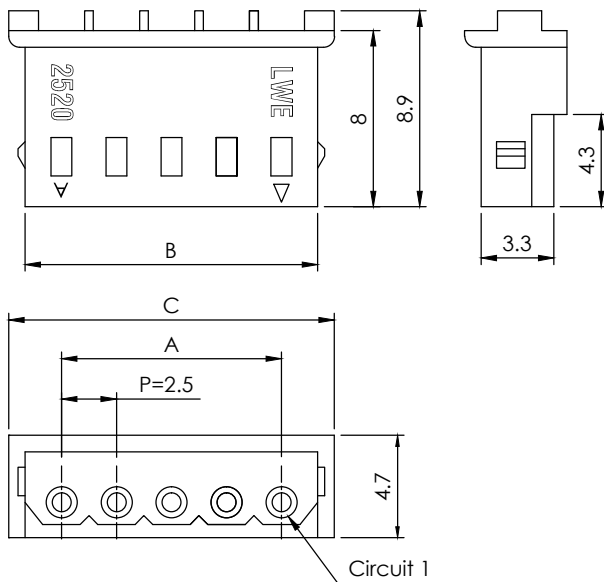


Specifications

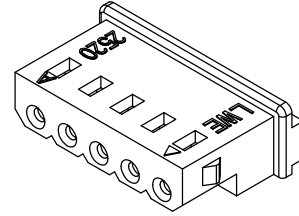
- ◇ Current rating: 3A AC/DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 1000V AC/Minute
- ◇ Contact Resistance: 20 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Mates with 2521P, 2522P series DIP Header
- ◇ Use with 2523T series Crimp Terminal
- ◇ Certification: UL
- ◇ GWT rated product is available
ex. P/N: 2520S1200 (12 circuits)
- ◇ Applicable wire gauge: AWG 22 - 28



2520S Plug Housing



Ordering Information

Circuits	Part No.	Dimension		
		A	B	C
2	2520S0200	2.5	5.8	7.5
3	2520S0300	5.0	8.3	10.0
4	2520S0400	7.5	10.8	12.5
5	2520S0500	10.0	13.3	15.0
6	2520S0600	12.5	15.8	17.5
7	2520S0700	15.0	18.3	20.0
8	2520S0800	17.5	20.8	22.5
9	2520S0900	20.0	23.3	25.0
10	2520S1000	22.5	25.8	27.5
11	2520S1100	25.0	28.3	30.0
12	2520S1200	27.5	30.8	32.5
13	2520S1300	30.0	33.3	35.0
14	2520S1400	32.5	35.8	37.5
15	2520S1500	35.0	38.3	40.0

Material

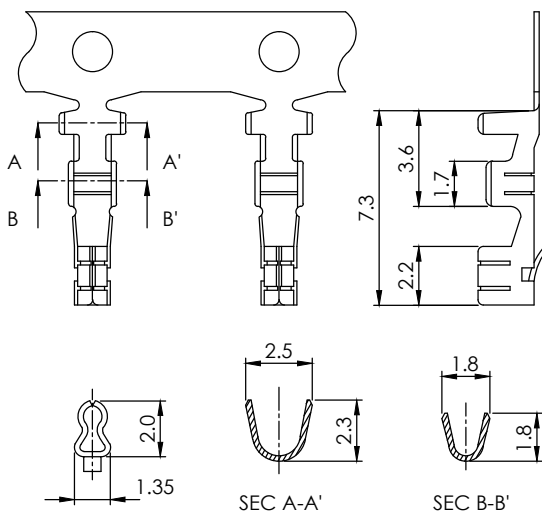
Housing Glass-filled Nylon 66 94V-0, Light ivory color

※ Color Identification: the following alphabet shall be added,
ex. 2520S 12 00 - B
B... Black, E... Blue, R... Red color 12... Circuit no.

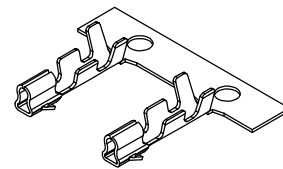
※ P/N for Halogen-Free replacement:
ex. 2520S 12 00 - B NH
S... Light ivory (base color), NH... Halogen-Free

Reference

- ◇ Use with 2520S Series Plug Housing



2523T Crimp Terminal



Ordering Information

Part No.	Applicable Wire		Q'ty / Reel
	AWG #	Insulation O.D. mm	
2523T011R	22 - 28	1.9 Max.	10,000

Material

Part No.	Material
2523T011R	Phosphor Bronze Tin-Plated

2.5 Pitch 2520 SERIES CONNECTOR



2.5 mm Pitch Wire-to-Board Connector



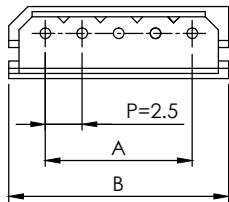
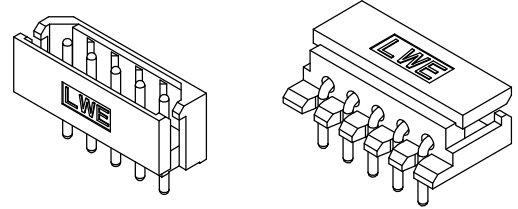
Specifications

- ◇ Current rating: 3A AC/DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 1000V AC/Minute
- ◇ Contact Resistance: 20 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

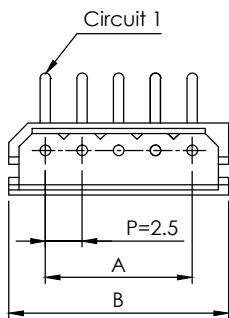
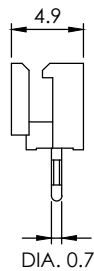
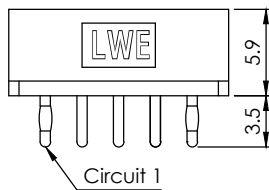
Reference

- ◇ Mates with 2520S series Plug Housing
- ◇ Certification: Refer to 2520S series
- ◇ GWT rated product is available

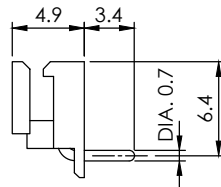
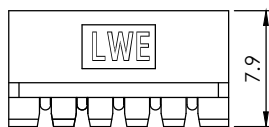
2521P, 2522P DIP Header



Straight Type
ø 0.7 mm Round Pin



Right-angle Type
ø 0.7 mm Round Pin



Ordering Information

Circuits	Part No.		Dimension	
	Straight	Right-Angle	A	B
2	2521P02 00T	2522P02 00T	2.5	7.5
3	2521P03 00T	2522P03 00T	5.0	10.0
4	2521P04 00T	2522P04 00T	7.5	12.5
5	2521P05 00T	2522P05 00T	10.0	15.0
6	2521P06 00T	2522P06 00T	12.5	17.5
7	2521P07 00T	2522P07 00T	15.0	20.0
8	2521P08 00T	2522P08 00T	17.5	22.5
9	2521P09 00T	2522P09 00T	20.0	25.0
10	2521P10 00T	2522P10 00T	22.5	27.5
11	2521P11 00T	2522P11 00T	25.0	30.0
12	2521P12 00T	2522P12 00T	27.5	32.5
13	2521P13 00T	2522P13 00T	30.0	35.0
14	2521P14 00T	2522P14 00T	32.5	37.5
15	2521P15 00T	2522P15 00T	35.0	40.0

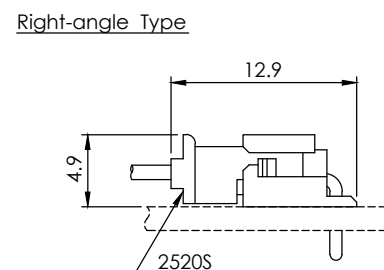
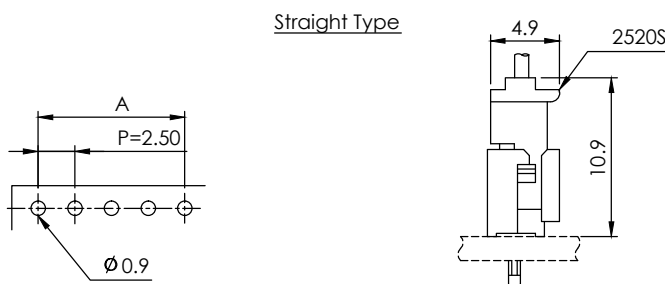
Material

Part	Material
Base	Glass-filled Nylon 66 94V-0, Light ivory color
Contact	Brass, Tin-plated

※ Color Identification: the following alphabet shall be added,
 ex. 2521P 12 00 T - B
 ex. 2522P 12 00 T - B
 12... Circuit no.
 T... Tin-plated, V... Matte tin-plated
 B... Black, E... Blue, R... Red color

※ P/N for Halogen-Free replacement:
 ex. 2521P 12 00 T - S NH
 ex. 2522P 12 00 T - S NH
 S... Light ivory (base color), B... Black color
 NH... Halogen-Free

P.C. Board Layout / Assembly Layout



2.5 Pitch 2530 SERIES CONNECTOR



2.5 mm Pitch Wire-to-Board Connector

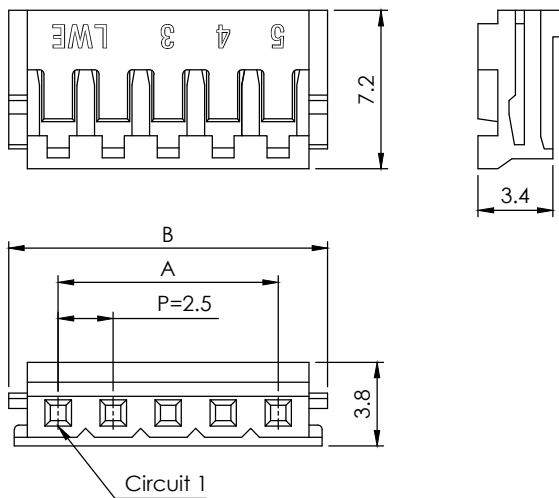


Specifications

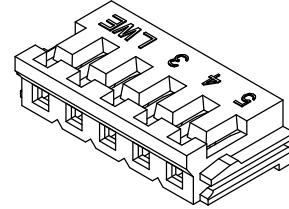
- ◇ Current rating: 3A AC/DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 800V AC/Minute
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Mates with 2531P, 2532P series DIP Header
- ◇ Use with 2533T series Crimp Terminal
- ◇ Certification: UL
- ◇ Applicable wire gauge: AWG 22 - 28



2530S Plug Housing



Ordering Information

Circuits	Part No.	Dimension	
		A	B
2	2530S0200	2.5	7.0
3	2530S0300	5.0	9.5
4	2530S0400	7.5	12.0
5	2530S0500	10.0	14.5
6	2530S0600	12.5	17.0
7	2530S0700	15.0	19.5
8	2530S0800	17.5	22.0
9	2530S0900	20.0	24.5
10	2530S1000	22.5	27.0
11	2530S1100	25.0	29.5
12	2530S1200	27.5	32.0
13	2530S1300	30.0	34.5
14	2530S1400	32.5	37.0
15	2530S1500	35.0	39.5

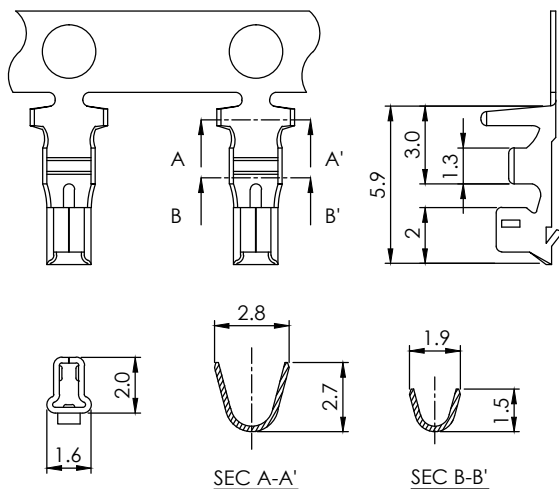
Material

Part	Material
Housing	Nylon 66 94V-0, white (natural color)

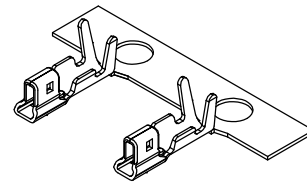
※ Color Identification: the following alphabet shall be added,
 ex. 2530S 12 00 - B
 12... Circuit no.
 B... Black, E... Blue, R... Red color

Reference

- ◇ Use with 2530S Series Plug Housing



2533T Crimp Terminal



Ordering Information

Part No.	Applicable Wire		
	AWG #	Insulation O.D. mm	Q'ty / Reel
2533T011R	22 - 28	1.9 Max.	10,000

Material

Part No.	Material
2533T011R	Phosphor Bronze Tin-Plated

2.5 Pitch 2530 SERIES CONNECTOR



2.5 mm Pitch Wire-to-Board Connector



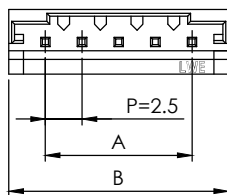
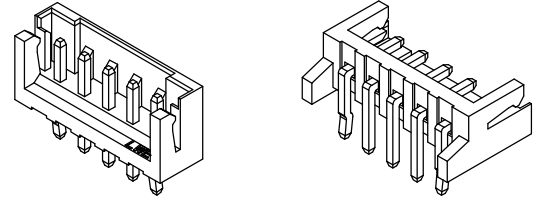
2531P, 2532P DIP Header

Specifications

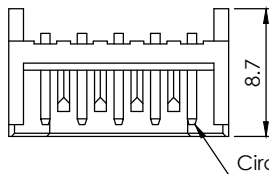
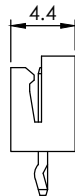
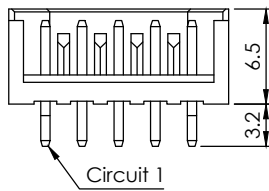
- ◇ Current rating: 3A AC/DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 800V AC/Minute
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

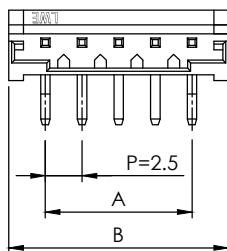
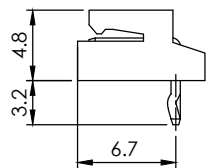
- ◇ Mates with 2530S series Plug Housing
- ◇ Certification: Refer to 2530S series
- ◇ GWT 750° C rated product is available



Straight Type
0.64mm Square pin



Right-angle Type
0.64mm Square pin



Ordering Information

Circuits	Part No.		Dimension	
	Straight	Right-Angle	A	B
2	2531P0200T	2532P0200T	2.5	7.5
3	2531P0300T	2532P0300T	5.0	10.0
4	2531P0400T	2532P0400T	7.5	12.5
5	2531P0500T	2532P0500T	10.0	15.0
6	2531P0600T	2532P0600T	12.5	17.5
7	2531P0700T	2532P0700T	15.0	20.0
8	2531P0800T	2532P0800T	17.5	22.5
9	2531P0900T	2532P0900T	20.0	25.0
10	2531P1000T	2532P1000T	22.5	27.5
11	2531P1100T	2532P1100T	25.0	30.0
12	2531P12 00T	2532P12 00T	27.5	32.5
13	2531P13 00T	2532P13 00T	30.0	35.0
14	2531P14 00T	2532P14 00T	32.5	37.5
15	2531P15 00T	2532P15 00T	35.0	40.0

Material

Part	Material
Base	Nylon 66 94V-0, white (natural color)
Contact	Brass, Tin-plated

※ Color Identification: the following alphabet shall be added,
ex. 2531P 12 00 T - B

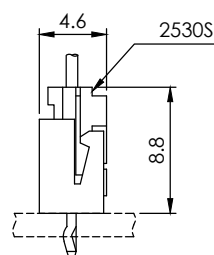
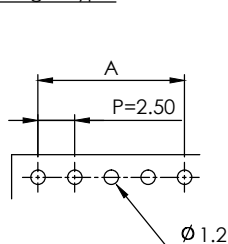
12... Circuit no.

T... Tin-plated, V... Matte tin-plated,

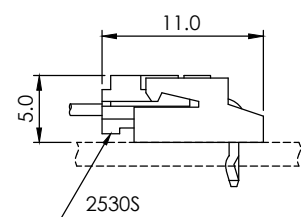
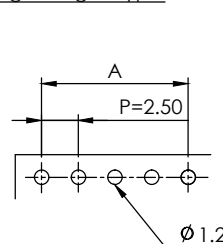
B... Black, E... Blue, R... Red color

P.C. Board Layout / Assembly Layout

Straight Type



Right-angle Type



2.5 Pitch 2620 SERIES CONNECTOR



2.5 mm Pitch Wire-to-Board Connector

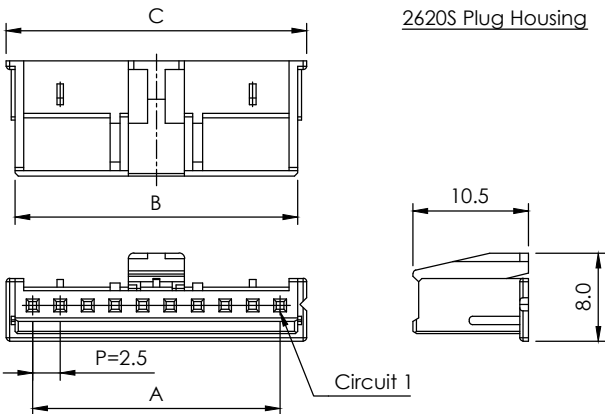
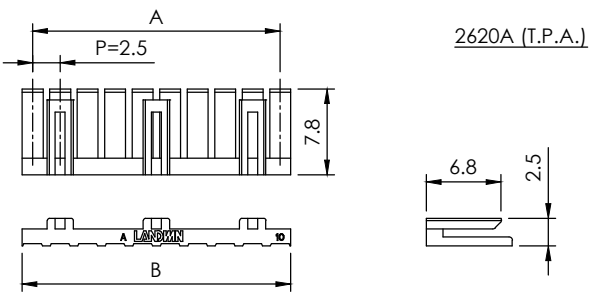


■ Specifications

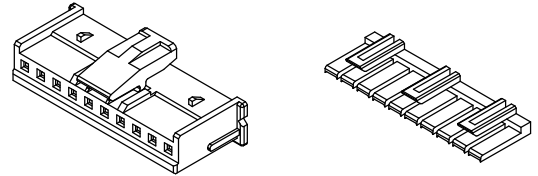
- ◇ Current rating: 3A AC/DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 1000V AC/Minute
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

■ Reference

- ◇ Mates with 2621P, 2622P series DIP Header
- ◇ Mates with 2621P Type-H series DIP Header
- ◇ Use with 2623T series Crimp Terminal
- ◇ Applicable wire gauge: AWG 22 - 28
- ◇ GWT 850°C Compliant Product Available



2620S Plug Housing 2620A T.P.A.



Ordering Information

PIN Nos	Dimension 2620S Plug Housing			PIN Nos	Dimension 2620A (T.P.A.)	
	A	B	C		A	D
3	5.0	8.2	9.8	3	5.0	13.4
5	10.0	13.2	14.8	5	10.0	11.9
7	15.0	18.2	19.8	7	15.0	16.9
8	17.5	20.7	22.3	8	17.5	19.4
10	22.5	25.7	27.3	10	22.5	24.4

※ PART NUMBER ASSIGNMENT:

ex. 2620S XX A 0 (2620S Plug Housing)

ex. 2620A XX 0 1 (2620A T.P.A.)

XX... Circuit Nos (PIN Numbers)

Plastics material : 0... Nylon 66 94V-0,

1... Glass-filled Nylon 66 94V-0,

※ Color Identification: the following alphabet shall be put,

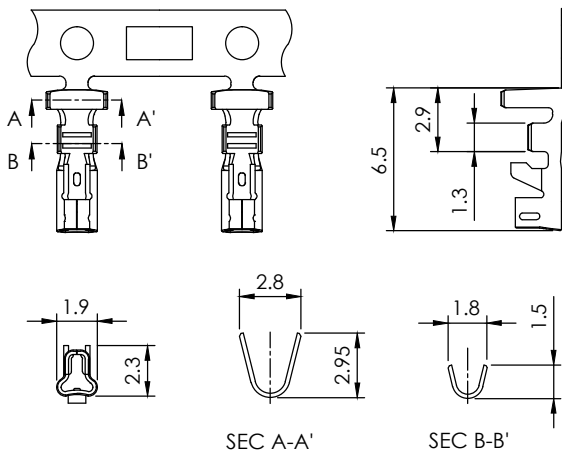
ex. 2620S 10 A 0 - A

ex. 2620A 10 0 1 - R

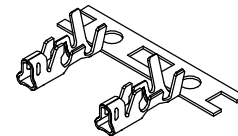
10... Circuit no. A... Light Ivory, R... Red color,

■ Reference

- ◇ Use with 2620S series Plug Housing



2623T Crimp Terminal



Ordering Information

Part No.	Applicable Wire		Q'ty / Reel
	AWG #	Insulation O.D. mm	
2623T011R	22 - 28	1.9 Max.	10,000

Material

Part No.	Material / Finish
2623T011R	Phosphor Bronze, Tin-Plated

2.5 Pitch 2620 SERIES CONNECTOR



2.5 mm Pitch Wire-to-Board Connector



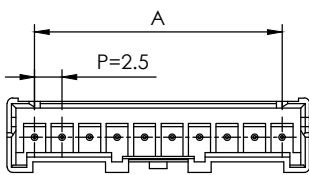
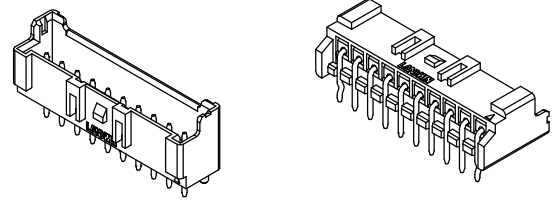
Specifications

- ◇ Current rating: 3A AC/DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 1000V AC/Minute
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

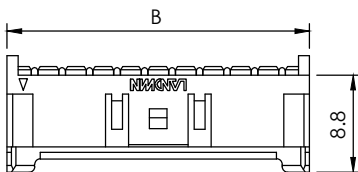
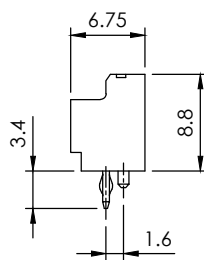
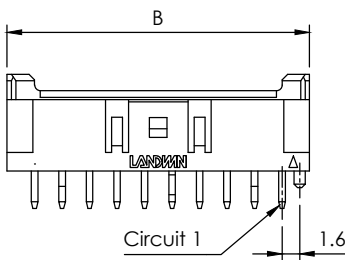
Reference

- ◇ Mates with 2620S series Plug Housing
- ◇ Certification: Refer to 2620S series
- ◇ GWT 850° C rated product is available

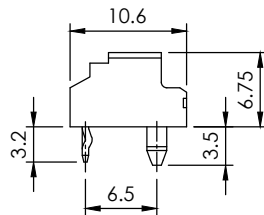
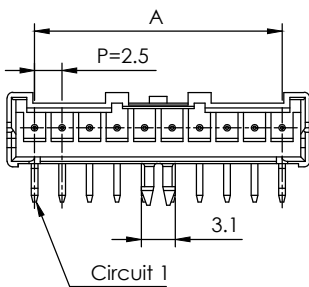
2621P, 2622P DIP Header



Straight Type
Ø0.6 mm Round Pin



Right-Angle Type
Ø0.6 mm Round Pin



Ordering Information

Circuits	Part No.		Dimension	
	Straight	Right-Angle	A	B
2	2621P02 A1T	2622P02 A1T	2.5	7.5
3	2621P03 A1T	2622P03 A1T	5.0	10.0
4	2621P04 A1T	2622P04 A1T	7.5	12.5
5	2621P05 A1T	2622P05 A1T	10.0	15.0
6	2621P06 A1T	2622P06 A1T	12.5	17.5
7	2621P07 A1T	2622P07 A1T	15.0	20.0
8	2621P08 A1T	2622P08 A1T	17.5	22.5
9	2621P09 A1T	2622P09 A1T	20.0	25.0
10	2621P10 A1T	2622P10 A1T	22.5	27.5
11	2621P11 A1T	2622P11 A1T	25.0	30.0
12	2621P12 A1T	2622P12 A1T	27.5	32.5
13	2621P13 A1T	2622P13 A1T	30.0	35.0
14	2621P14 A1T	2622P14 A1T	32.5	37.5
15	2621P15 A1T	2622P15 A1T	35.0	40.0

Material

Part	Material
Base	Glass-filled Nylon 66 94V-0, Light ivory color
Contact	Brass, Tin-plated

※ PART NUMBER ASSIGNMENT:

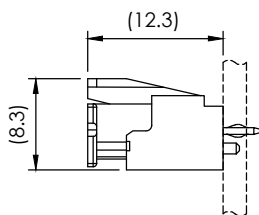
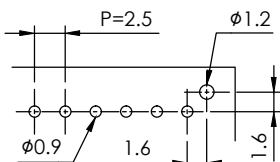
- ex. 2621P 06 A1T (2621P DIP)
- ex. 2622P 06 A1T (2622P DIP)
- 06... Circuit Nos (PIN Numbers)

※ Color Identification: the following alphabet shall be put,

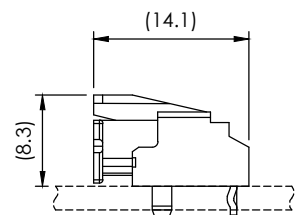
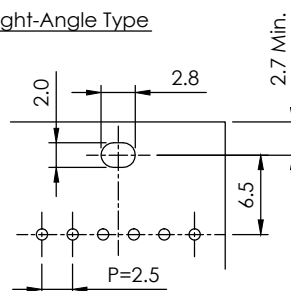
- ex. 2621P 06 A1T - A
- ex. 2622P 06 A1T - R
- 06... Circuit no., A... Light Ivory, R... Red color,

P.C. Board Layout / Assembly Layout

Straight Type



Right-Angle Type



2.5 Pitch 2620 SERIES CONNECTOR



2.5 mm Pitch Wire-to-Board Connector



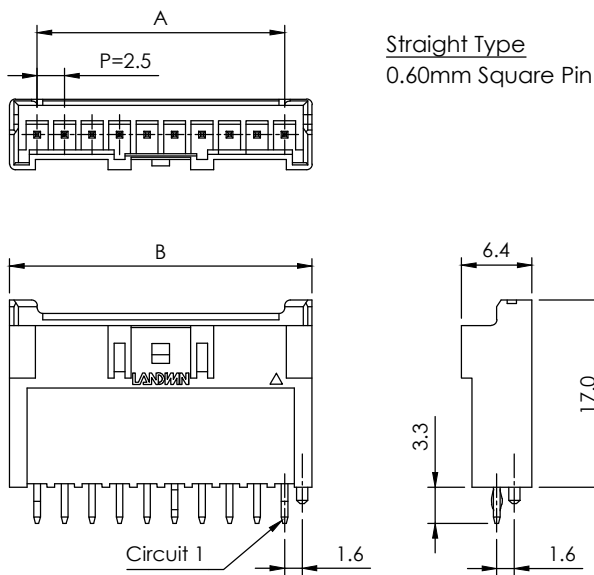
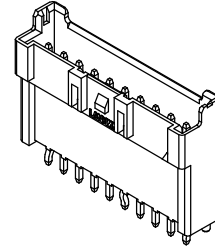
Specifications

- ◇ Current rating: 3A AC/DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 1000V AC/Minute
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Mates with 2620S series Plug Housing
- ◇ Certification: Refer to 2620S series
- ◇ GWT 850° C rated product is available

2621P DIP Header (Type H)



Ordering Information

Circuits	Part No.	Dimension	
		A	B
2	2621P02 H1T	2.5	7.5
3	2621P03 H1T	5.0	10.0
4	2621P04 H1T	7.5	12.5
5	2621P05 H1T	10.0	15.0
6	2621P06 H1T	12.5	17.5
7	2621P07 H1T	15.0	20.0
8	2621P08 H1T	17.5	22.5
9	2621P09 H1T	20.0	25.0
10	2621P10 H1T	22.5	27.5
11	2621P11 H1T	25.0	30.0
12	2621P12 H1T	27.5	32.5
13	2621P13 H1T	30.0	35.0
14	2621P14 H1T	32.5	37.5
15	2621P15 H1T	35.0	40.0

Material

Part	Material
Base	Glass-filled Nylon 66 94V-0, Light ivory color
Contact	Brass, Tin-plated

※ PART NUMBER ASSIGNMENT:

ex. 2621P 03 H1T (2621P DIP Type-H)

03... Circuit Nos (PIN Numbers)

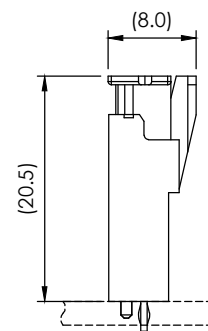
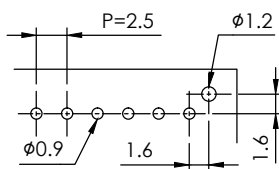
※ Color Identification: the following alphabet shall be put,

ex. 2621P 06 H1T - A

06... Circuit no., A... Light Ivory, R... Red color,

P.C. Board Layout / Assembly Layout

Straight Type



2.5 Pitch 2640 SERIES CONNECTOR



2.5 mm Pitch Wire-to-Board Connector

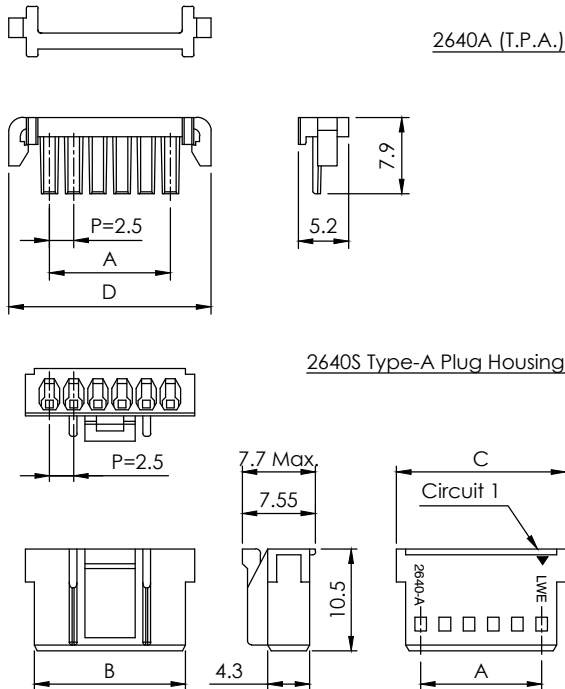


■ Specifications

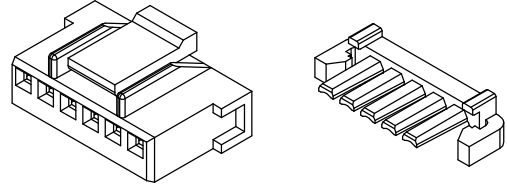
- ◇ Current rating: 3A AC/DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 1000V AC/Minute
- ◇ Contact Resistance: 20 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

■ Reference

- ◇ Mates with 2641P, 2642P series DIP Header
- ◇ Mates with 2640M series Single-Row Receptacle Plug Housing
- ◇ Use with 2543T series Crimp Terminal
- ◇ Certification: UL
- ◇ Applicable wire gauge: AWG 22 - 28
- ◇ GWT 850°C Compliant Product Available



2640S Plug Housing (Type A) 2640A T.P.A.



Ordering Information

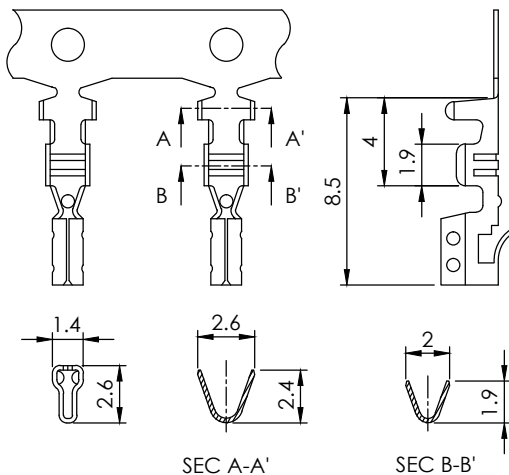
PIN Nos	Dimension 2640S Type-A Housing			PIN Nos	Dimension 2640A (T.P.A.)	
	A	B	C		A	D
2	2.5	5.6	7.5	2	2.5	10.9
3	5.0	8.1	10.0	3	5.0	13.4
4	7.5	10.6	12.5	4	7.5	15.9
5	10.0	13.1	15.0	5	10.0	18.4
6	12.5	15.6	17.5	6	12.5	20.9
7	15.0	18.1	20.0	7	15.0	23.4
8	17.5	20.6	22.5	8	17.5	25.9
9	20.0	23.1	25.0	9	20.0	28.4
10	22.5	25.6	27.5	10	22.5	30.9
11	25.0	28.1	30.0	11	25.0	33.4
12	27.5	30.6	32.5	12	27.5	35.9
13	30.0	33.1	35.0	13	30.0	38.4
14	32.5	35.6	37.5	14	32.5	40.9
15	35.0	38.1	40.0	15	35.0	43.4

※ PART NUMBER ASSIGNMENT:
 ex. 2640S XX A 0 (2640S Type-A Housing)
 ex. 2640A XX 0 0 (2640A T.P.A.)
 XX... Circuit Nos (PIN Numbers)
 Plastics material: ... Nylon 66 94V-0.

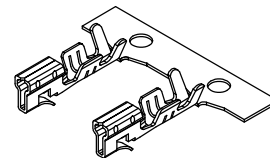
※ Color Identification: the following alphabet shall be put,
 ex. 2640S 06 A 0 - A
 ex. 2640A 06 0 0 - R
 06... Circuit no. A... Light Ivory, R... Red color,

■ Reference

- ◇ Use with 2510S Type-A, 2540S, 2640S-Type-A series Plug Housing



2543T Crimp Terminal



Ordering Information

Part No.	Applicable Wire		Q'ty / Reel
	AWG #	Insulation O.D. mm	
2543T011R	22 - 28	1.9 Max.	10,000

Material

Part No.	Material / Finish
2543T011R	Phosphor Bronze, Tin-Plated

2.5 Pitch 2640 SERIES CONNECTOR



2.5 mm Pitch Wire-to-Board Connector



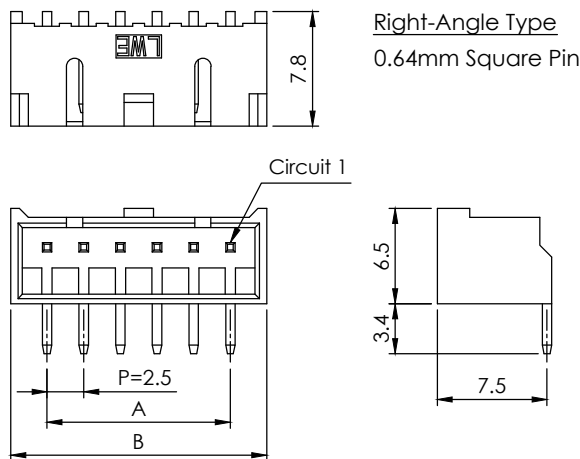
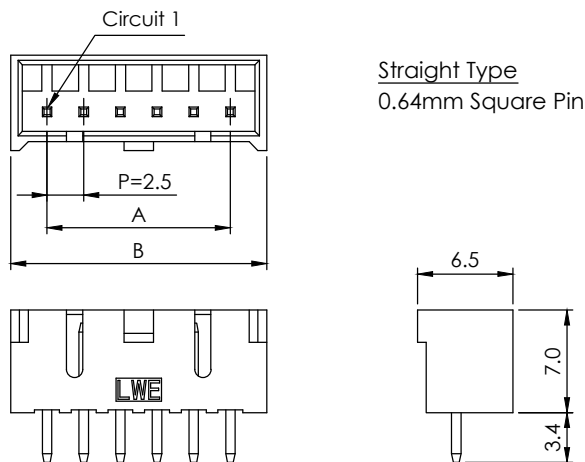
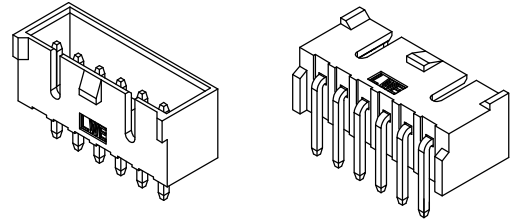
Specifications

- ◇ Current rating: 3A AC/DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 1000V AC/Minute
- ◇ Contact Resistance: 20 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Mates with 2640S Type-A series Plug Housing
- ◇ Certification: Refer to 2640S series
- ◇ GWT 850° C rated product is available

2641P, 2642P DIP Header



Ordering Information

Circuits	Part No.		Dimension	
	Straight	Right-Angle	A	B
2	2641P02 00T	2642P02 00T	2.5	7.5
3	2641P03 00T	2642P03 00T	5.0	10.0
4	2641P04 00T	2642P04 00T	7.5	12.5
5	2641P05 00T	2642P05 00T	10.0	15.0
6	2641P06 00T	2642P06 00T	12.5	17.5
7	2641P07 00T	2642P07 00T	15.0	20.0
8	2641P08 00T	2642P08 00T	17.5	22.5
9	2641P09 00T	2642P09 00T	20.0	25.0
10	2641P10 00T	2642P10 00T	22.5	27.5
11	2641P11 00T	2642P11 00T	25.0	30.0
12	2641P12 00T	2642P12 00T	27.5	32.5
13	2641P13 00T	2642P13 00T	30.0	35.0
14	2641P14 00T	2642P14 00T	32.5	37.5
15	2641P15 00T	2642P15 00T	35.0	40.0

Material

Part	Material
Base	Nylon 66 94V-0, white (natural color)
Contact	Brass, Tin-plated

※ PART NUMBER ASSIGNMENT:

ex. 2641P XX 0 Q X (2641P DIP)

ex. 2642P XX 0 Q X (2642P DIP)

XX... Circuit Nos (PIN Numbers)

X... Plating Selection: T... Tin, V... Matte Tin-plated

※ Color Identification: the following alphabet shall be put,

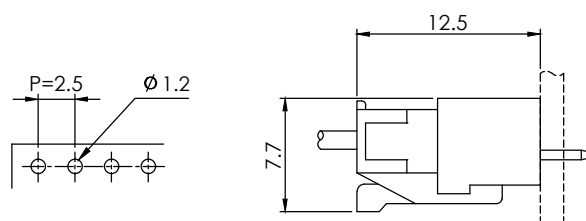
ex. 2641P 06 0 Q X - A

ex. 2642P 06 0 Q X - R

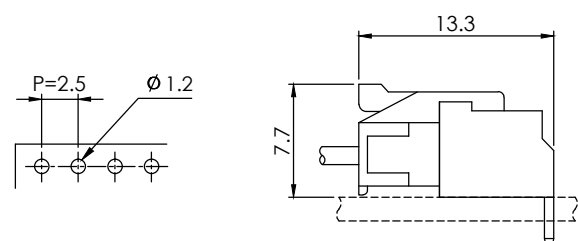
06... Circuit no., A... Light Ivory, R... Red color,

P.C. Board Layout / Assembly Layout

Straight Type



Right-Angle Type



2.5 Pitch 2640 SERIES CONNECTOR



2.5 mm Pitch Wire-to-Board Connector



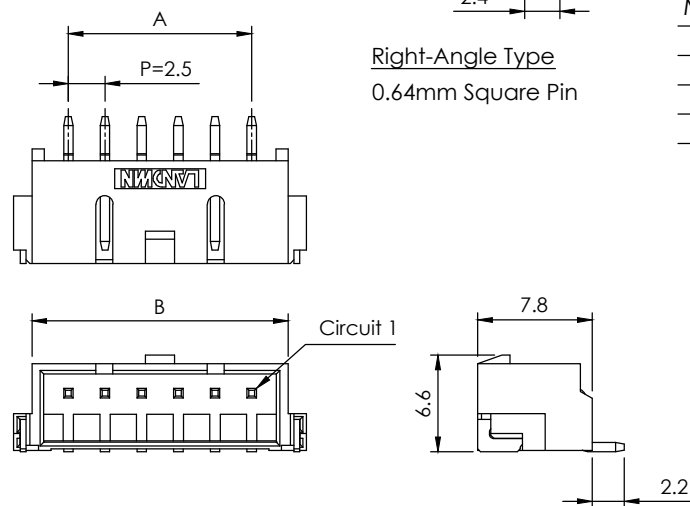
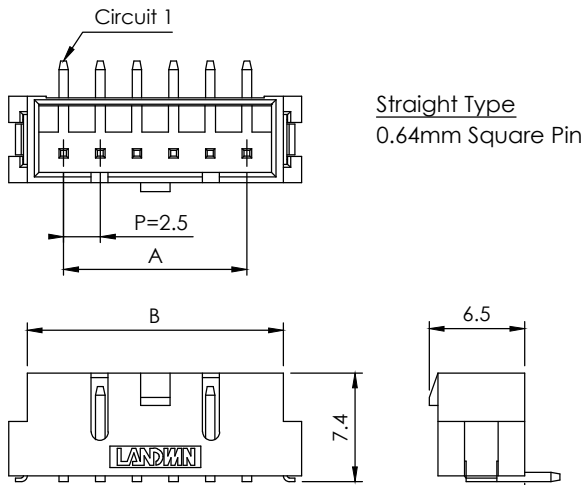
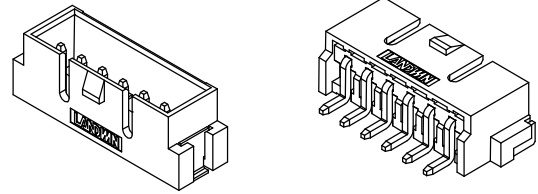
2641P, 2642P SMT Header

Specifications

- ◇ Current rating: 3A AC/DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 1000V AC/Minute
- ◇ Contact Resistance: 20 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Mates with 2640S Type-A series Plug Housing
- ◇ Certification: Refer to 2640S series
- ◇ GWT 850° C rated product is available



Ordering Information

Circuits	Part No.		Dimension	
	Straight	Right-Angle	A	B
2	2641P02 S9V	2642P02 S9V	2.5	7.5
3	2641P03 S9V	2642P03 S9V	5.0	10.0
4	2641P04 S9V	2642P04 S9V	7.5	12.5
5	2641P05 S9V	2642P05 S9V	10.0	15.0
6	2641P06 S9V	2642P06 S9V	12.5	17.5
7	2641P07 S9V	2642P07 S9V	15.0	20.0
8	2641P08 S9V	2642P08 S9V	17.5	22.5
9	2641P09 S9V	2642P09 S9V	20.0	25.0
10	2641P10 S9V	2642P10 S9V	22.5	27.5
11	2641P11 S9V	2642P11 S9V	25.0	30.0
12	2641P12 S9V	2642P12 S9V	27.5	32.5
13	2641P13 S9V	2642P13 S9V	30.0	35.0
14	2641P14 S9V	2642P14 S9V	32.5	37.5
15	2641P15 S9V	2642P15 S9V	35.0	40.0

Material

Part	Material
Base	HIGH HDT Nylon-GF 94V-0, Ivory Color
Contact	Brass, Matte tin-plated
Peg	

※ PART NUMBER ASSIGNMENT:

ex. 2641P XX S 9 X (2641P SMT)

ex. 2642P XX S 9 X (2642P SMT)

XX... Circuit Nos (PIN Numbers)

X... Plating Selection: T... Tin, V... Matte Tin-plated

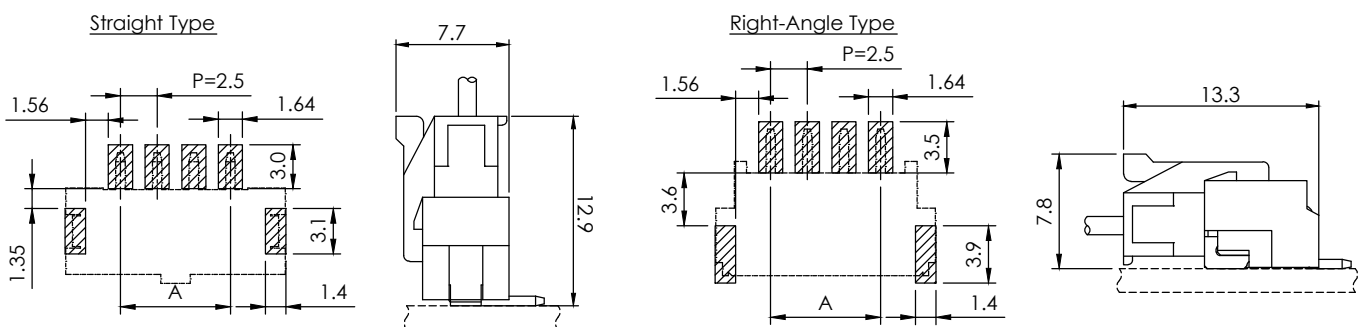
※ Color Identification: the following alphabet shall be put,

ex. 2641P 06 S 9 X - A

ex. 2642P 06 S 9 X - R

06... Circuit no., A... Light Ivory, R... Red color,

P.C. Board Layout / Assembly Layout



2.5 Pitch 2640 SERIES CONNECTOR



2.5 mm Pitch Wire-to-Wire Connector

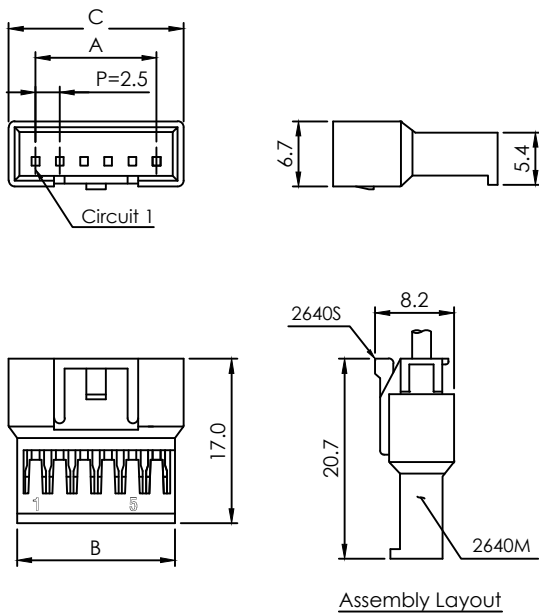


Specifications

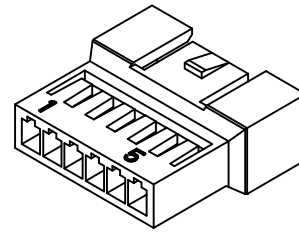
- ◇ Current rating: 3A AC/DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 1000V AC/Minute
- ◇ Contact Resistance: 20 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Mates with 2640S Type-A series Plug Housing
- ◇ Use with 2643TM1 series Pin-contact Crimp Terminal
- ◇ Certification: Refer to 2640S series
- ◇ GWT 850° C rated product is available
- ◇ Applicable wire gauge: AWG 22 - 28



2640M Receptacle Housing



Ordering Information

Circuits	Part No.	Dimension		
		A	B	C
2	2640M0200	2.5	6.3	8.1
3	2640M0300	5.0	8.8	10.6
4	2640M0400	7.5	11.3	13.1
5	2640M0500	10.0	13.8	15.6
6	2640M0600	12.5	16.3	18.1
7	2640M0700	15.0	18.8	20.6
8	2640M0800	17.5	21.3	23.1
9	2640M0900	20.0	23.8	25.6
10	2640M1000	22.5	26.3	28.1
11	2640M1100	25.0	28.8	30.6
12	2640M1200	27.5	31.3	33.1
13	2640M1300	30.0	33.8	35.6
14	2640M1400	32.5	36.3	38.1
15	2640M1500	35.0	38.8	40.6

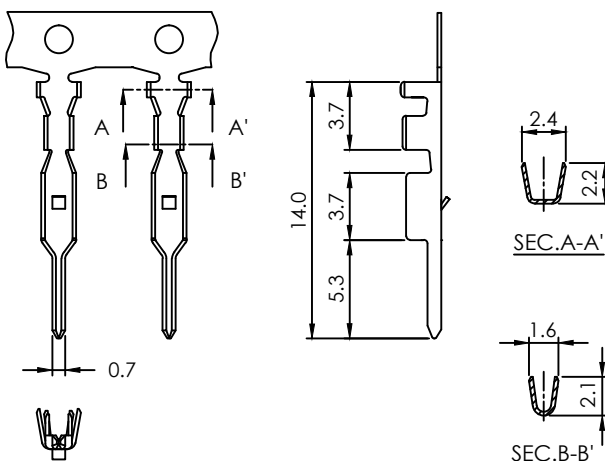
Material

Part	Material
Housing	Nylon 66 94V-0, Light ivory color

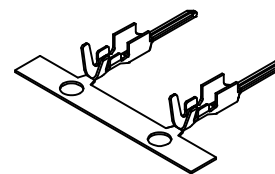
※ Color Identification: the following alphabet shall be put,
 ex. 2640M 06 00 - B
 06... Circuit no. B... Black, R... Red color,

Reference

- ◇ Use with 2640M series Receptacle Housing



2643TM1 Pin-contact Crimp Terminal



Ordering Information

Part No.	Applicable Wire		Q'ty / Reel
	AWG #	Insulation O.D. mm	
2643TM11R	22 - 28	1.9 Max.	15,000

Material

Part No.	Material / Finish
2643TM11R	Phosphor Bronze, Tin-Plated

2.5 Pitch 2640 SERIES CONNECTOR



2.5 mm Pitch Wire-to-Wire Connector



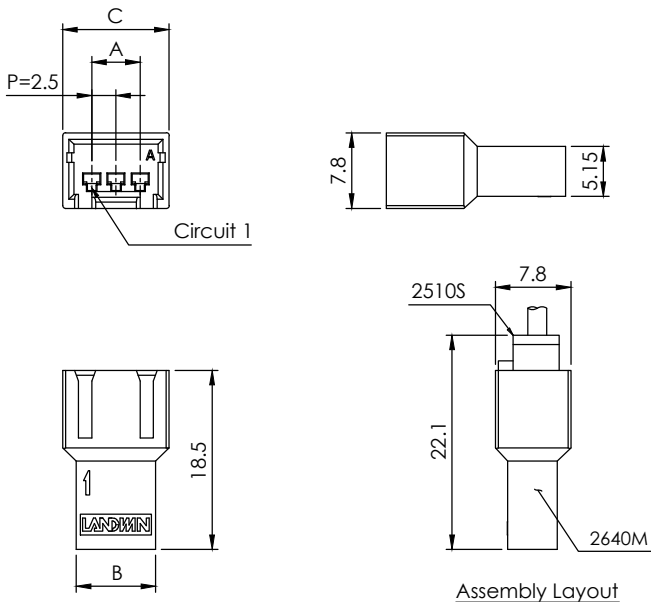
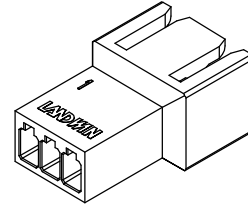
Specifications

- ◇ Current rating: 3A AC/DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 1000V AC/Minute
- ◇ Contact Resistance: 20 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Mates with 2510S Type-A Series Plug Housing
- ◇ Use with 2643TM2 series Pin-contact Crimp Terminal
- ◇ Certification: Refer to 2640S series
- ◇ GWT 850° C rated product is available
- ◇ Applicable wire gauge: AWG 22 - 28

2640M Receptacle Housing (Type C)



Ordering Information

Circuits	Part No.	Dimension		
		A	B	C
2	2640M02C0	2.5	5.7	8.5
3	2640M03C0	5.0	8.2	11.0

Material

Part	Material
Housing	Nylon 66 94V-0, Light ivory color

※ Color Identification: the following alphabet shall be put,

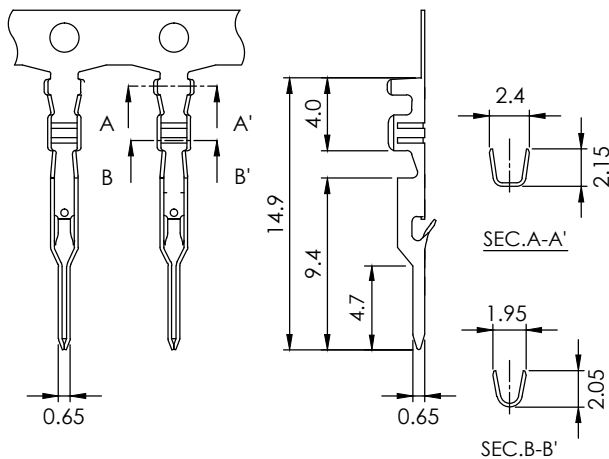
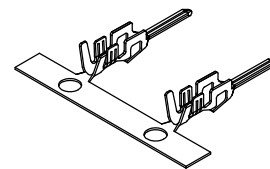
ex. 2640M 03 C 0 - B
06... Circuit no. B... Black, R... Red color,

※ Contact sales for available P/N up to date.

Reference

- ◇ Mates with 2640M Type-C series Receptacle Housing

2643TM2 Pin-contact Crimp Terminal



Ordering Information

Part No.	Applicable Wire		
	AWG #	Insulation O.D. mm	Q'ty / Reel
2643TM22R	22 - 28	1.9 Max.	15,000

Material

Part No.	Material / Finish
2643TM22R	Brass, Tin-Plated

2.5 Pitch 2640 SERIES CONNECTOR



2.5 mm Pitch Wire-to-Board Connector



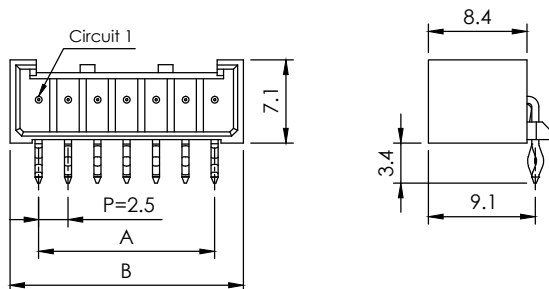
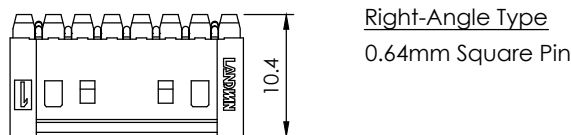
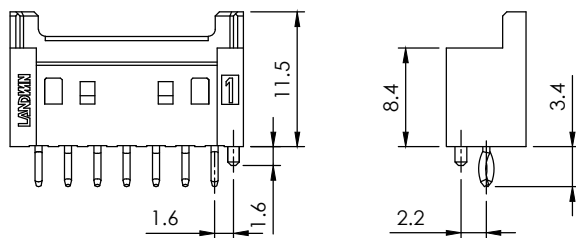
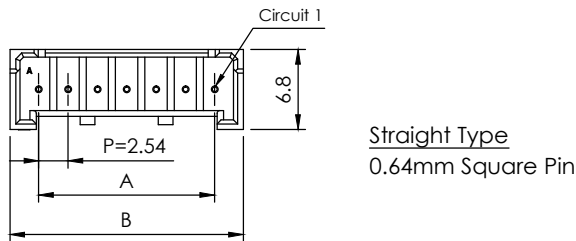
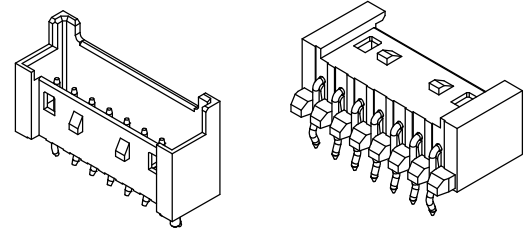
Specifications

- ◇ Current rating: 3A AC/DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 1000V AC/Minute
- ◇ Contact Resistance: 20 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Mates with Molex 51103 series Plug Housing
- ◇ GWT 850° C rated product is available

2641P, 2642P DIP Header (Type 1)



Ordering Information

Circuits	Part No.		Dimension	
	Straight	Right-Angle	A	B
2	2641P02 11T	2642P02 11T	2.5	7.4
3	2641P03 11T	2642P03 11T	5.0	9.9
4	2641P04 11T	2642P04 11T	7.5	12.4
5	2641P05 11T	2642P05 11T	10.0	14.9
6	2641P06 11T	2642P06 11T	12.5	17.4
7	2641P07 11T	2642P07 11T	15.0	19.9
8	2641P08 11T	2642P08 11T	17.5	22.4
9	2641P09 11T	2642P09 11T	20.0	24.9
10	2641P10 11T	2642P10 11T	22.5	27.4
11	2641P11 11T	2642P11 11T	25.0	29.9
12	2641P12 11T	2642P12 11T	27.5	32.4
13	2641P13 11T	2642P13 11T	30.0	34.9
14	2641P14 11T	2642P14 11T	32.5	37.4
15	2641P15 11T	2642P15 11T	35.0	39.9

Material

Part	Material
Base	Glass-filled Nylon 66 94V-0, Light ivory color
Contact	Brass, Tin-plated

※ PART NUMBER ASSIGNMENT:

ex. 2641P XX 1 1 X (2641P DIP Type-1)

ex. 2642P XX 1 1 X (2642P DIP Type-1)

XX... Circuit Nos (PIN Numbers)

X... Plating Selection: T... Tin, V... Matte Tin-plated

※ Color Identification: the following alphabet shall be put,

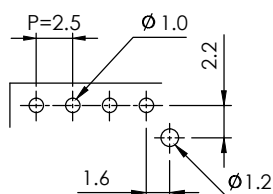
ex. 2641P 06 1 1 X - A

ex. 2642P 06 1 1 X - R

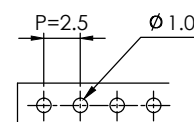
06... Circuit no., A... Light Ivory, R... Red color,

P.C. Board Layout / Assembly Layout

Straight Type



Right-Angle Type



2.5 Pitch 6200 SERIES CONNECTOR



2.5 mm Pitch Wire-to-Board Connector

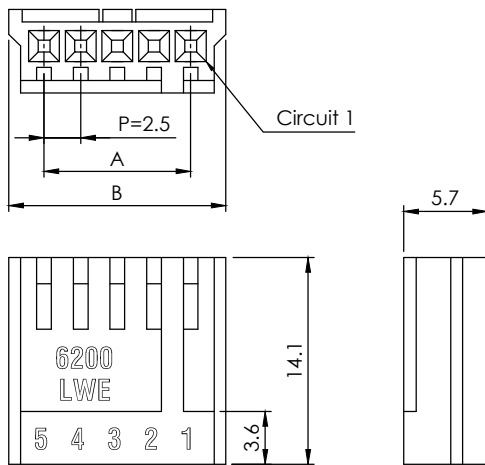


Specifications

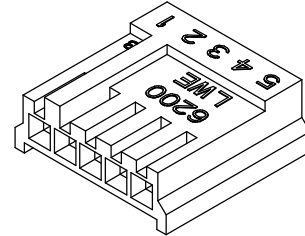
- ◇ Current rating: 2A AC/DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 750V AC/Minute
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Insulation Resistance: 500 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Mates with 6202P, 6203P series DIP Header
- ◇ Use with 6203T series Crimp Terminal
- ◇ Certification: UL
- ◇ GWT 750° C rated product is available
- ◇ Applicable wire gauge: AWG 22 - 26



6200S Plug Housing



Ordering Information

Circuits	Part No.	Dimension	
		A	B
2	6200S0200	2.5	7.3
3	6200S0300	5.0	9.8
4	6200S0400	7.5	12.3
5	6200S0500	10.0	14.8
6	6200S0600	12.5	17.3
7	6200S0700	15.0	19.8
8	6200S0800	17.5	22.3
9	6200S0900	20.0	24.8
10	6200S1000	22.5	27.3
11	6200S1100	25.0	29.8
12	6200S1200	27.5	32.3

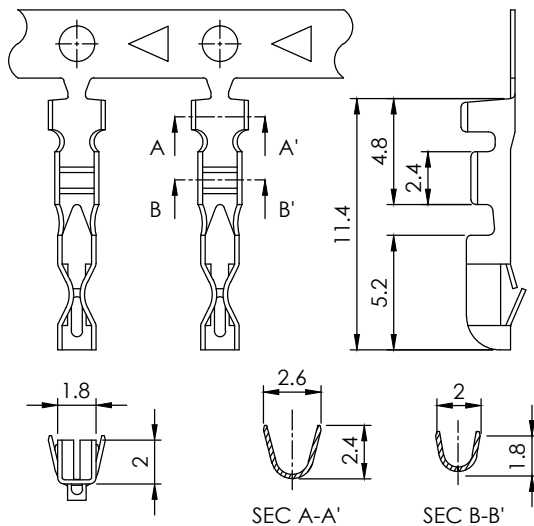
Material

Part	Material
Housing	Nylon 66 94V-0, white (natural color)

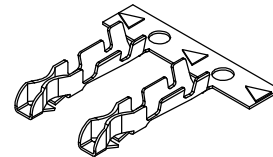
※ Color Identification: the following alphabet shall be put,
 ex. 6200S 06 0 X* - B
 06... Circuit no. B... Black, R... Red color,
 X*... Plastics Material no.:
 0... Nylon 66-94V-0, 2... Nylon 66-94V-2

Reference

- ◇ Use with 6200S series Plug Housing



6203T Crimp Terminal



Ordering Information

Part No.	Applicable Wire		Q'ty / Reel
	AWG #	Insulation O.D. mm	
6203T011R	22 - 26	1.65 Max.	10,000

Material

Part No.	Material / Finish
6203T011R	Phosphor Bronze, Tin-Plated

2.5 Pitch 6200 SERIES CONNECTOR



2.5 mm Pitch Wire-to-Board Connector



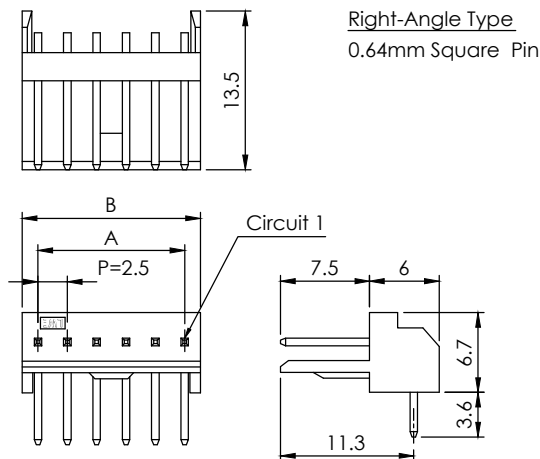
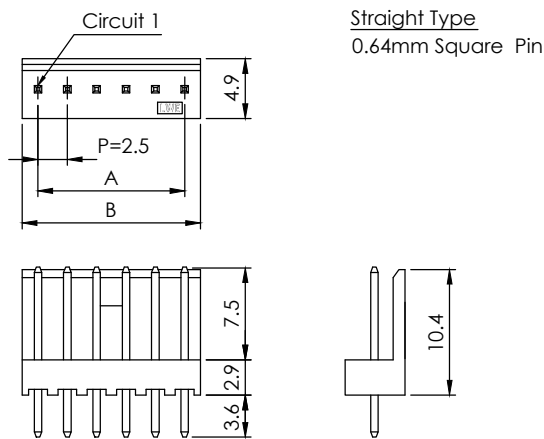
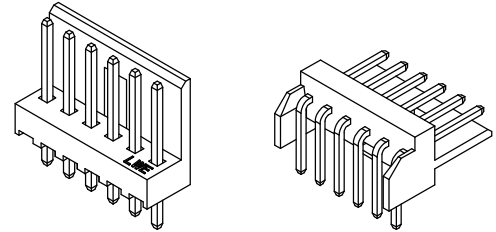
6202P, 6203P DIP Header

Specifications

- ◇ Current rating: 2A AC/DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 750V AC/Minute
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Insulation Resistance: 500 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Mates with 6200S series Plug Housing
- ◇ Certification: Refer to 6200S series
- ◇ GWT 750° C rated product is available



Ordering Information

Circuits	Part No.		Dimension	
	Straight	Right-Angle	A	B
2	6202P0200T	6203P0200T	2.5	5.0
3	6202P0300T	6203P0300T	5.0	7.5
4	6202P0400T	6203P0400T	7.5	10.0
5	6202P0500T	6203P0500T	10.0	12.5
6	6202P0600T	6203P0600T	12.5	15.0
7	6202P0700T	6203P0700T	15.0	17.5
8	6202P0800T	6203P0800T	17.5	20.0
9	6202P0900T	6203P0900T	20.0	22.5
10	6202P1000T	6203P1000T	22.5	25.0
11	6202P1100T	6203P1100T	25.0	27.5
12	6202P1200T	6203P1200T	27.5	30.0

Material

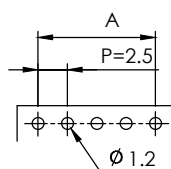
Part	Material
Base	Nylon 66 94V-0, white (natural color)
Contact	Brass, Tin-plated

※ PART NUMBER ASSIGNMENT:

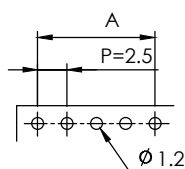
- ex. 6202P 06 0 0 I - B (Straight Type)
- ex. 6203P 06 0 0 I - R (Right-angle Type)
- 06... Circuit no. B... Black, R... Red color,

P.C. Board Layout / Assembly Layout

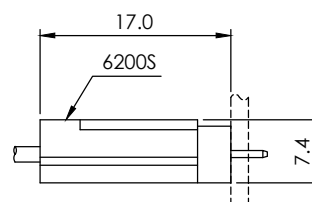
Straight Type
Accept 0.64 Dia. Round Pin



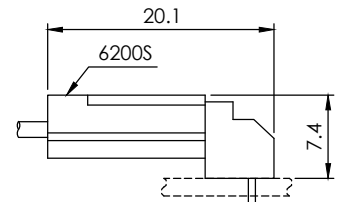
Straight /Right-angle Type
Accept 0.64 Square Pin



Straight Type



Right-angle Type



2.5 Pitch 2550 SERIES CONNECTOR



2.5 mm Pitch Wire-to-Wire Connector



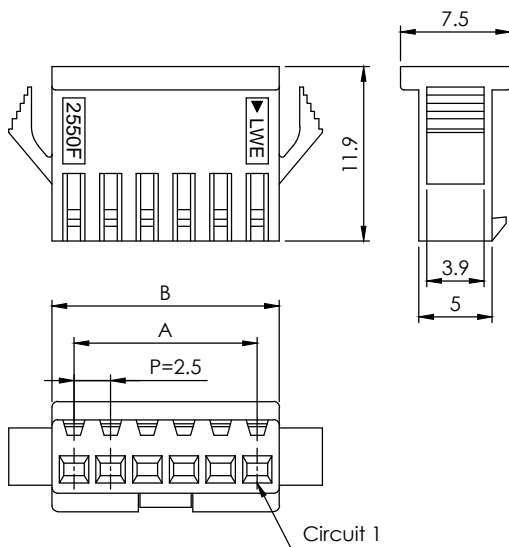
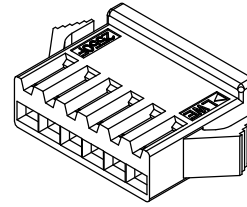
Specifications

- ◇ Current rating: 3A AC/DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 1500V AC/Minute
- ◇ Contact Resistance: 20 mΩ Max. before environment test
- ◇ Insulation Resistance: 500 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Mates with 2550M series Receptacle Housing
- ◇ Use with 2550TF series Crimp Terminal
- ◇ Certification: UL
- ◇ GWT 750° C rated product is available

2550F Plug Housing



Ordering Information

Circuits	Part No.	Dimension	
		A	B
2	2550F02 00	2.5	5.5
3	2550F03 00	5.0	8.0
4	2550F04 00	7.5	10.5
5	2550F05 00	10.0	13.0
6	2550F06 00	12.5	15.5
7	2550F07 00	15.0	18.0
8	2550F08 00	17.5	20.5
9	2550F09 00	20.0	23.0
10	2550F10 00	22.5	25.5
11	2550F11 00	25.0	28.0
12	2550F12 00	27.5	30.5

Material

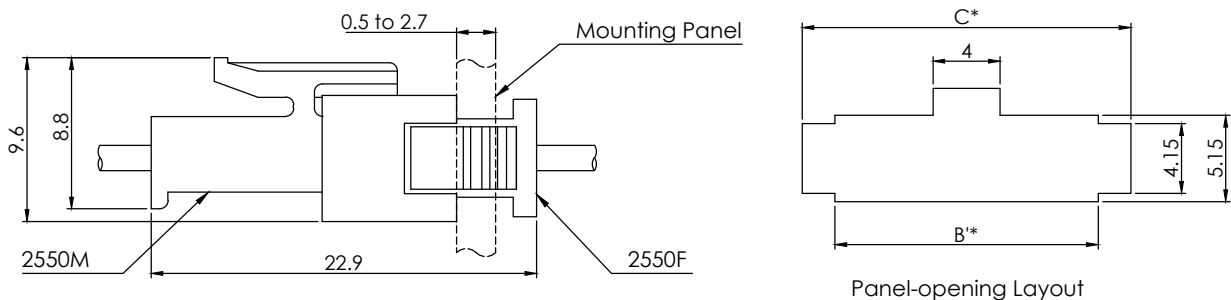
Part	Material / Finish
Housing	Nylon 66 94V-0, Black

※ Color Identification: the following alphabet shall be put, ex. 2550F 06 0 0 - E
06... Circuit no. E... Blue, S... White color,

Panel Opening Dimension

Circuits	Dimension		Circuits	Dimension	
	B*	C*		B*	C*
2	5.7	9.6	8	20.7	24.6
3	8.2	12.1	9	23.2	27.1
4	10.7	14.6	10	25.7	29.6
5	13.2	17.1	11	28.2	32.1
6	15.7	19.6	12	30.7	34.6
7	18.2	22.1			

P.C. Board Layout / Assembly Layout



2.5 Pitch 2550 SERIES CONNECTOR



2.5 mm Pitch Wire-to-Wire Connector



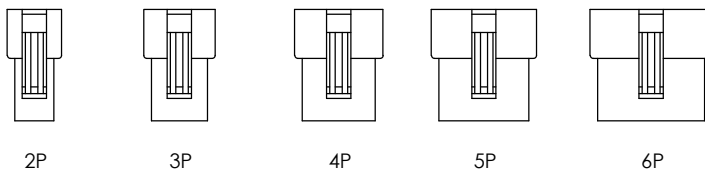
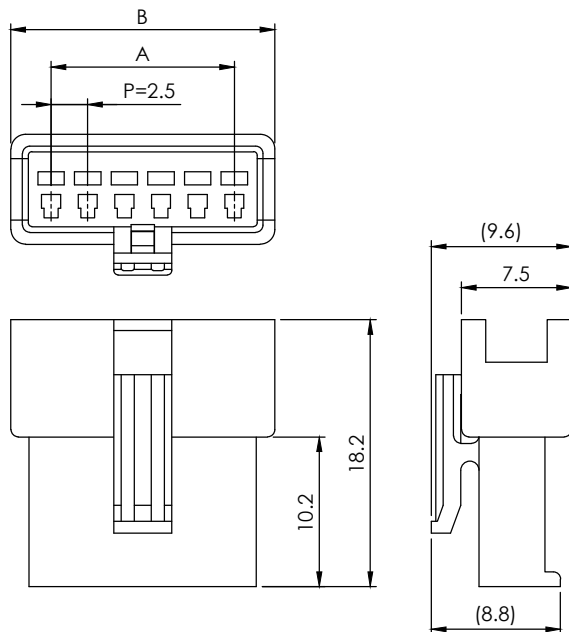
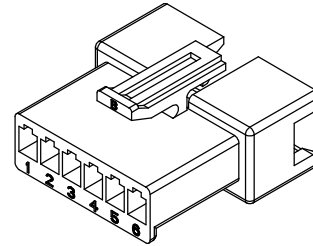
Specifications

- ◇ Current rating: 3A AC/DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 1500V AC/Minute
- ◇ Contact Resistance: 20 mΩ Max. before environment test
- ◇ Insulation Resistance: 500 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Mates with 2550F series Plug Housing
- ◇ Use with 2550TM series Crimp Terminal
- ◇ Certification: UL
- ◇ GWT 750° C rated product is available

2550M Receptacle Housing



Ordering Information

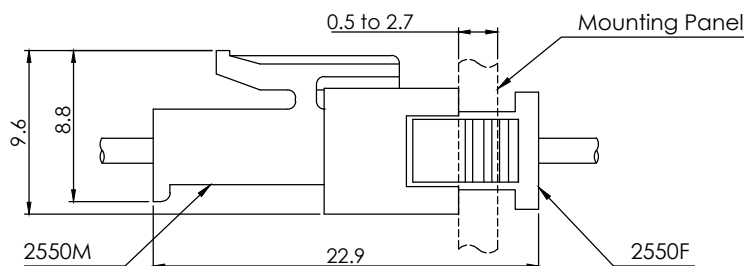
Circuits	Part No.	Dimension	
		A	B
2	2550M02 00	2.5	8.0
3	2550M03 00	5.0	10.5
4	2550M04 00	7.5	13.0
5	2550M05 00	10.0	15.5
6	2550M06 00	12.5	18.0
7	2550M07 00	15.0	20.5
8	2550M08 00	17.5	23.0
9	2550M09 00	20.0	25.5
10	2550M10 00	22.5	28.0
11	2550M11 00	25.0	30.5
12	2550M12 00	27.5	33.0

Material

Part	Material / Finish
Housing	Nylon 66 94V-0, Black

※ Color Identification: the following alphabet shall be put,
 ex. 2550M 06 00 - E
 06... Circuit no. E... Blue, S... White Color,

P.C. Board Layout / Assembly Layout



2.5 Pitch 2550 SERIES CONNECTOR



2.5 mm Pitch Wire-to-Wire Connector

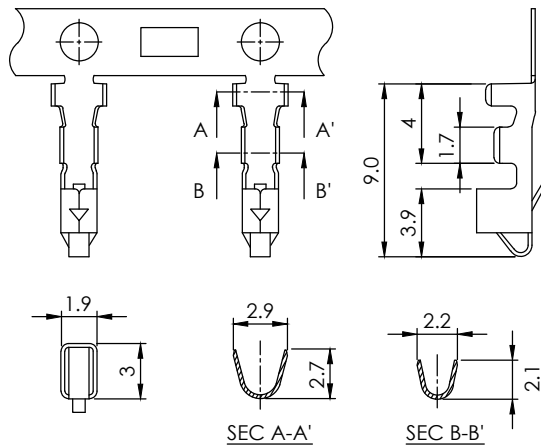


Specifications

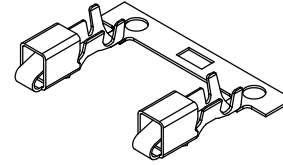
- ◇ Current rating: 3A AC/DC
- ◇ Voltage Range: 250V AC,DC
- ◇ Contact Resistance: 20 mΩ Max. before environment test
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Use with 2550F series Plug Housing
- ◇ Mates with 2550TM series Pin-Contact Crimp Terminal



2550TF Crimp Terminal



Ordering Information

Part No.	Applicable Wire		Q'ty / Reel
	AWG #	Insulation O.D. mm	
2550TF11R	22 - 28	1.8 Max.	6,000

Material

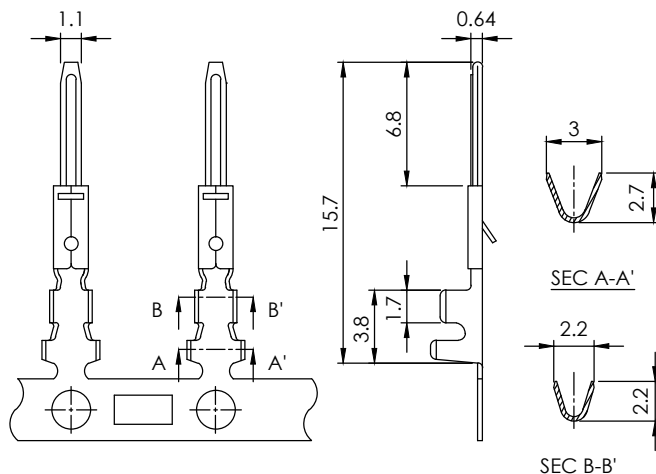
Part No.	Material / Finish
2550TF11R	Phosphor Bronze, Tin-plated

Specifications

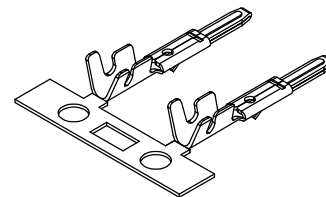
- ◇ Current rating: 3A AC/DC (AWG 24)
- ◇ Voltage Range: 250V AC,DC
- ◇ Contact Resistance: 20 mΩ Max. before environment test
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Use with 2550M series Receptacle Housing
- ◇ Mates with 2550TF series Crimp Terminal



2550TM Pin-Contact Crimp Terminal



Ordering Information

Part No.	Applicable Wire		Q'ty / Reel
	AWG #	Insulation O.D. mm	
2550TM12R	22 - 28	1.8 Max.	7,000

Material

Part No.	Material / Finish
2550TM12R	Brass, Tin-plated

2.5 Pitch 2508 SERIES CONNECTOR



2.5 mm Pitch Board-In Connector

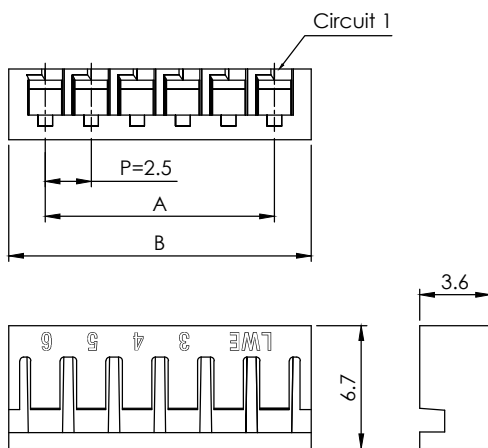


Specifications

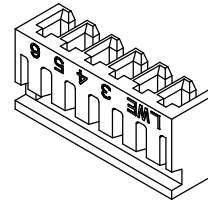
- ◇ Current rating: 3A AC/DC Max. (AWG 22)
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 800V AC/Minute
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C
- ◇ Applicable Wire Size: AWG 22 to AWG 28

Reference

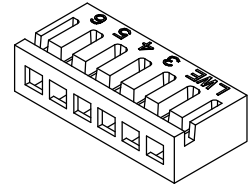
- ◇ Use with 2509T, 2519T series Board-In Crimp Terminal
- ◇ Certification: UL
- ◇ GWT 750° C rated product is available



2508S Board-In Housing



Straight Layout



Right-angle Layout

Ordering Information

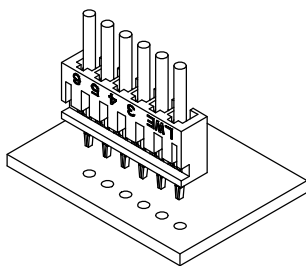
Circuits	Part No.	Dimension	
		A	B
2	2508S0200	2.5	6.5
3	2508S0300	5.0	9.0
4	2508S0400	7.5	11.5
5	2508S0500	10.0	14.0
6	2508S0600	12.5	16.5
7	2508S0700	15.0	19.0
8	2508S0800	17.5	21.5
9	2508S0900	20.0	24.0
10	2508S1000	22.5	26.5
11	2508S1100	25.0	29.0
12	2508S1200	27.5	31.5
13	2508S1300	30.0	34.0
14	2508S1400	32.5	36.5
15	2508S1500	35.0	39.0
16	2508S1600	37.5	41.5

Material

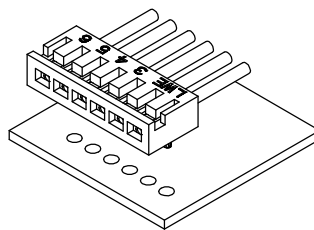
Part	Material / Finish
Housing	Nylon 66 94V-0, white (natural color)

※ Color Identification: the following alphabet shall be put,
 ex. 2508S 06 0 0 - E
 06... Circuit no. E... Blue, R... Red Color,

2508S MATES WITH 2509T

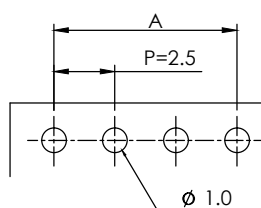


2508S MATES WITH 2519T

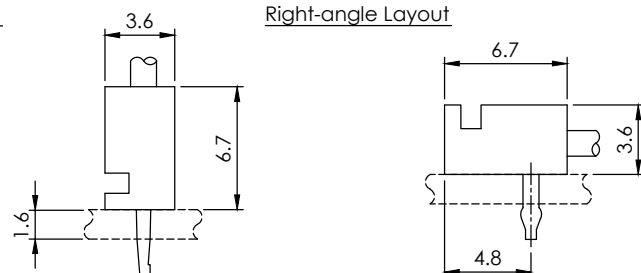


P.C. Board Layout / Assembly Layout

Straight Layout



Right-angle Layout



2.5 Pitch 2508 SERIES CONNECTOR



2.5 mm Pitch Board-In Connector

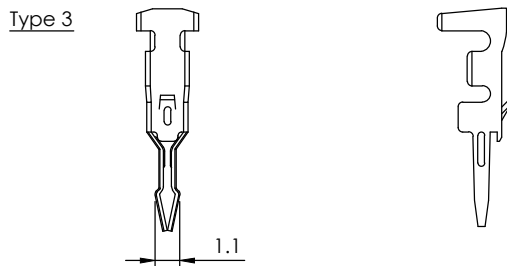
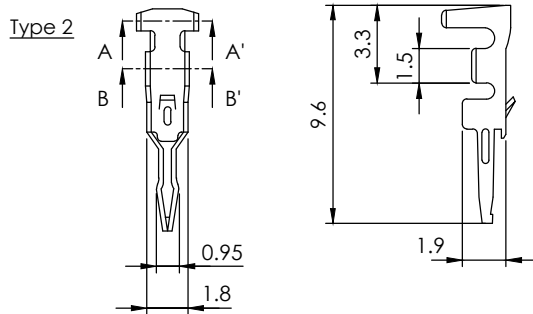


■ Specifications

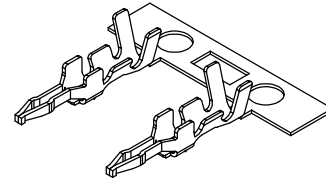
- ◇ Current rating: 3A AC/DC (AWG 22)
- ◇ Voltage Range: 250V AC,DC
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Temperature Range: -40° C to 105° C

■ Reference

- ◇ Use with 2508S series Board-In Housing



2509T Board-In Crimp Terminal

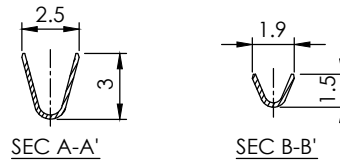


Ordering Information

Part No.	Type	Applicable Wire		Q'ty / Reel
		AWG #	Insulation O.D. mm	
2509T022R	2	22 - 28	1.8 Max.	10,000
2509T031R	3			

Material

Part No.	Material / Finish
2509T022R	Brass, Tin-plated
2509T031R	Phosphor Bronze, Tin-plated

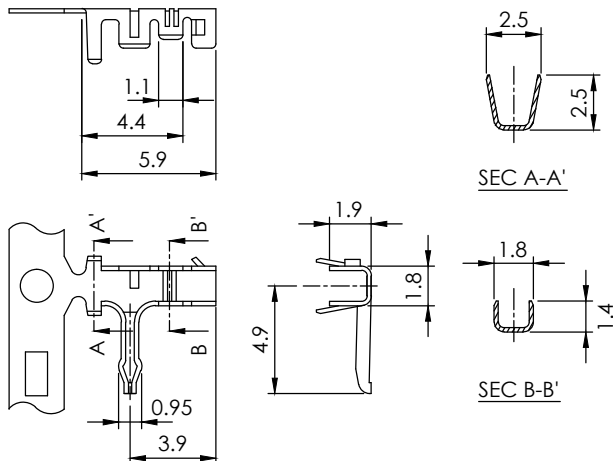


■ Specifications

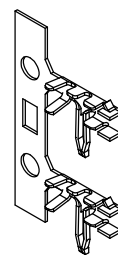
- ◇ Current rating: 3A AC/DC (AWG 22)
- ◇ Voltage Range: 250V AC,DC
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Temperature Range: -40° C to 105° C

■ Reference

- ◇ Use with 2508S series Board-In Housing



2519T Board-In Crimp Terminal



Ordering Information

Part No.	Applicable Wire		Q'ty / Reel
	AWG #	Insulation O.D. mm	
2519T011R	22 - 28	1.8 Max.	10,000
2519T012R	22 - 28	1.8 Max.	10,000

Material

Part No.	Material / Finish
2519T011R	Phosphor Bronze, Tin-plated
2519T012R	Brass, Tin-plated

2.5 Pitch 2650 SERIES CONNECTOR



2.5 mm Pitch Cable Holder



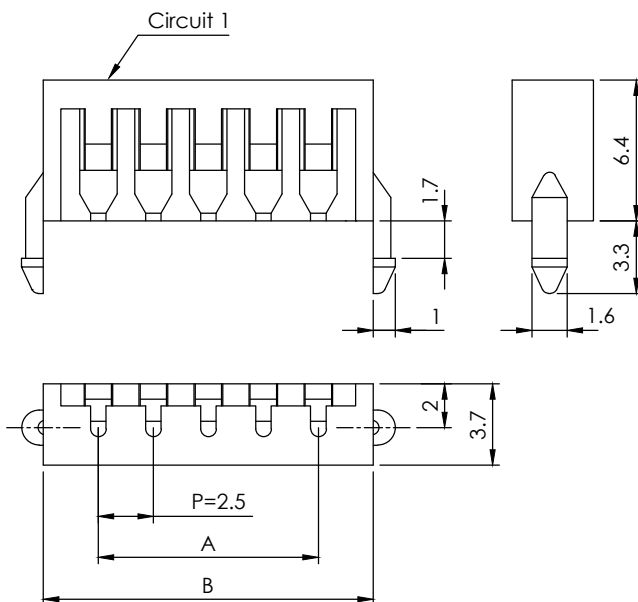
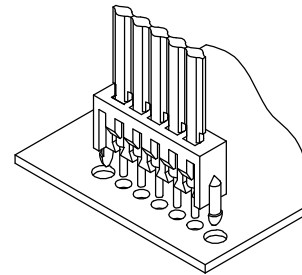
Specifications

- ◇ Circuits: 2P ~ 16P
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 1000V AC/Minute
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Applicable Wire Range: 24 to 26 AWG
- ◇ GWT 750° C rated product is available

2650S Flat / Ribbon Cable Holder



Ordering Information

Circuits	Part No.	Dimension	
		A	B
2	2650S0200	2.5	7.5
3	2650S0300	5.0	10.0
4	2650S0400	7.5	12.5
5	2650S0500	10.0	15.0
6	2650S0600	12.5	17.5
7	2650S0700	15.0	20.0
8	2650S0800	17.5	22.5
9	2650S0900	20.0	25.0
10	2650S1000	22.5	27.5
11	2650S1100	25.0	30.0
12	2650S1200	27.5	32.5
13	2650S1300	30.0	35.0
14	2650S1400	32.5	37.5
15	2650S1500	35.0	40.0
16	2650S1600	37.5	42.5

Material

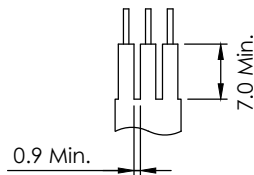
Housing Nylon 66 94V-0, white (natural color)

※ Color Identification: the following alphabet shall be put,
 ex. 2650S 06 00 - E
 06... Circuit no. E... blue, R... red color,

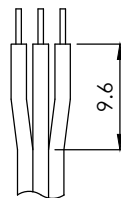
DISCREET WIRE



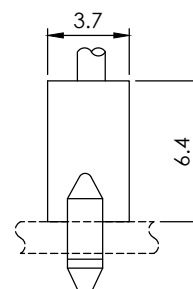
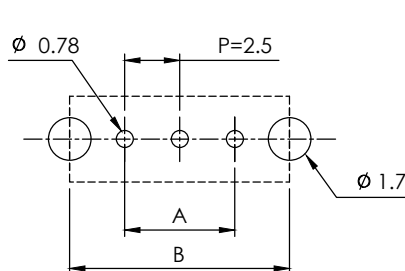
FLAT CABLE



RIBBON CABLE



P.C. Board Layout / Assembly Layout



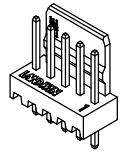
2.54 Pitch SERIES



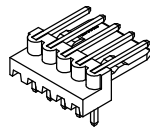
2.54 mm Pitch Connectors - Application Overview

RoHS REACH LF HFA

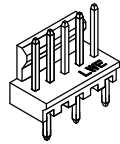
Wire-to-Board / Single-Row



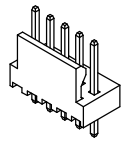
2541P (DIP)



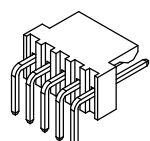
2542P (DIP)



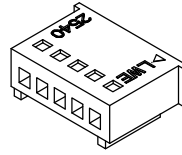
2561P Type-G



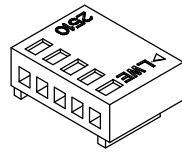
2561P (DIP)



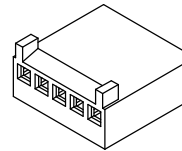
2562P (DIP)



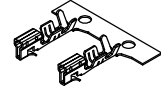
2540S



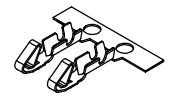
2510S



2560S

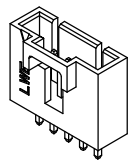


2543T

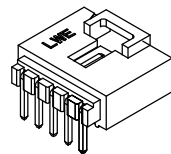


2563T

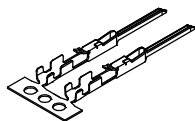
Wire-to-Board, Wire-to-Wire (2570 Series)



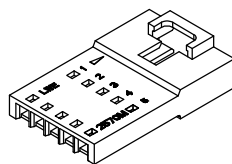
2571P (DIP)



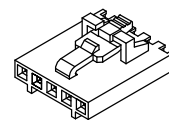
2572P (DIP)



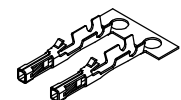
2573TM



2570M



2570S



2573T

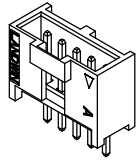
2.54 Pitch SERIES



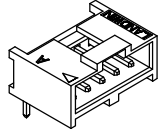
2.54 mm Pitch Connectors - Application Overview

RoHS REACH LF HFA

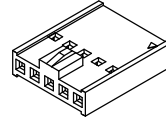
Wire-to-Board (2580 Series)



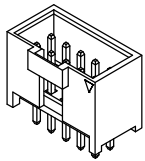
2581P Type-A



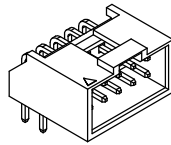
2582P Type-A



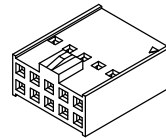
2580S Type-A



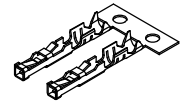
2581P (DIP)



2582P (DIP)

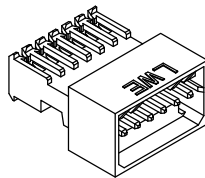


2580S

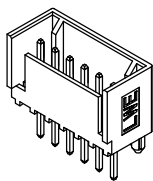


2583T

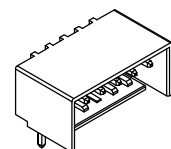
Wire-to-Board, Wire-to-Wire (2630 Series)



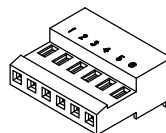
2630P Type-1



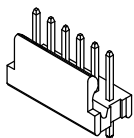
2631P (DIP)



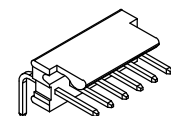
2632P (DIP)



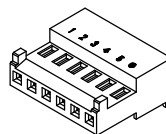
2630R Type-1



2631P (DIP)



2632P (DIP)



2630R Type-2

2.54 Pitch 2510 SERIES CONNECTOR



2.54 mm Pitch Wire-to-Board Connector

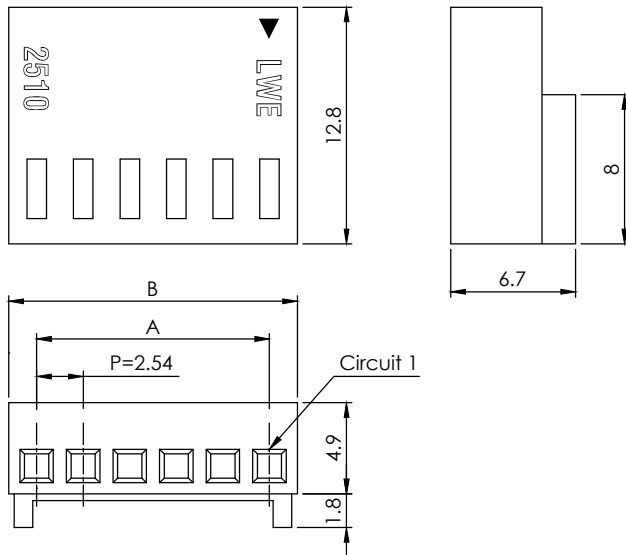


Specifications

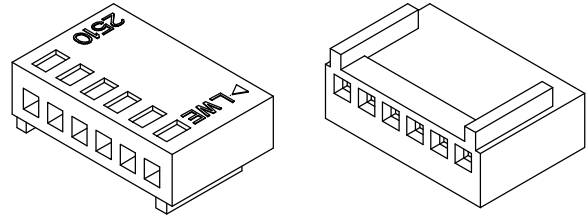
- ◇ Current rating: 3A AC/DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 1000V AC/Minute
- ◇ Contact Resistance: 20 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Mates with 2541P, 2542P series DIP Header
- ◇ Use with 2563T series Crimp Terminal
- ◇ Certification: UL
- ◇ GWT 850° C rated product is available
- ◇ Applicable wire gauge: AWG 22 - 28



2510S Plug Housing (Type 1)



Ordering Information

Circuits	Part No.	Dimension	
		A	B
2	2510S0210	2.54	5.74
3	2510S0310	5.08	8.28
4	2510S0410	7.62	10.82
5	2510S0510	10.16	13.36
6	2510S0610	12.70	15.90
7	2510S0710	15.24	18.44
8	2510S0810	17.78	20.98
9	2510S0910	20.32	23.52
10	2510S1010	22.86	26.06
11	2510S1110	25.40	28.60
12	2510S1210	27.94	31.14
13	2510S1310	30.48	33.68
14	2510S1410	33.02	36.22
15	2510S1510	35.56	38.76

Material

Part	Material
Housing	Nylon 66 94V-0, Light ivory color

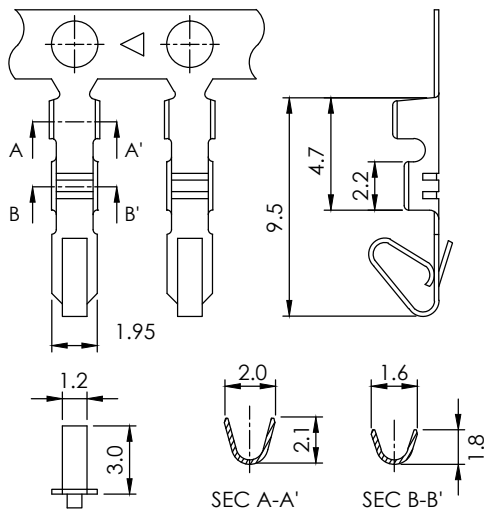
※ Color Identification: the following alphabet shall be put.

ex. 2510S 14 10 - B

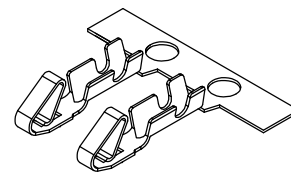
14... Circuit no. B... Black, R...Red color

Reference

- ◇ Use with 2510S Type-1, 2560S, 2600S series Plug Housing



2563T Crimp Terminal



Ordering Information

Part No.	Applicable Wire		Q'ty / Reel
	AWG #	Insulation O.D. mm	
2563T011R	22 - 28	1.9 Max.	10,000
2563T012R	22 - 28	1.9 Max.	10,000

Material

Part No.	Material
2563T011R	Phosphor Bronze, Tin-Plated
2563T012R	Brass, Tin-Plated

2.54 Pitch 2540 SERIES CONNECTOR



2.54 mm Pitch Wire-to-Board Connector

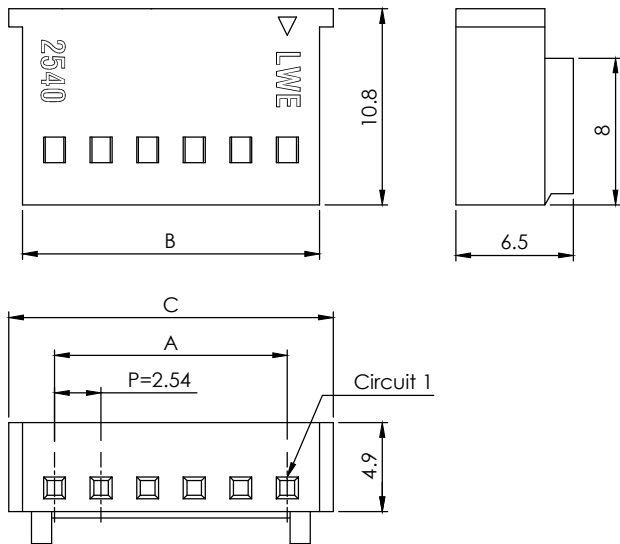


Specifications

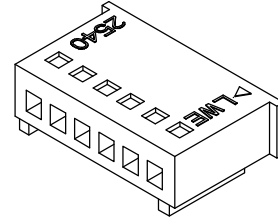
- ◇ Current rating: 3A AC/DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 1000V AC/Minute
- ◇ Contact Resistance: 20 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Mates with 2541P, 2542P series DIP Header
- ◇ Use with 2543T series Crimp Terminal
- ◇ Certification: UL
- ◇ GWT 850° C rated product is available
- ◇ Applicable wire gauge: AWG 22 - 28



2540S Plug Housing



Ordering Information

Circuits	Part No.	Dimension		
		A	B	C
2	2540S02 00	2.54	6.04	7.54
3	2540S03 00	5.08	8.58	10.08
4	2540S04 00	7.62	11.12	12.62
5	2540S05 00	10.16	13.66	15.16
6	2540S06 00	12.70	16.20	17.70
7	2540S07 00	15.24	18.74	20.24
8	2540S08 00	17.78	21.28	22.78
9	2540S09 00	20.32	23.82	25.32
10	2540S10 00	22.86	26.36	27.86
11	2540S11 00	25.40	28.90	30.40
12	2540S12 00	27.94	31.44	32.94
13	2540S13 00	30.48	33.98	35.48
14	2540S14 00	33.02	36.52	38.02
15	2540S15 00	35.56	39.02	40.56

Material

Part	Material
Housing	Nylon 66 94V-0, Light ivory color

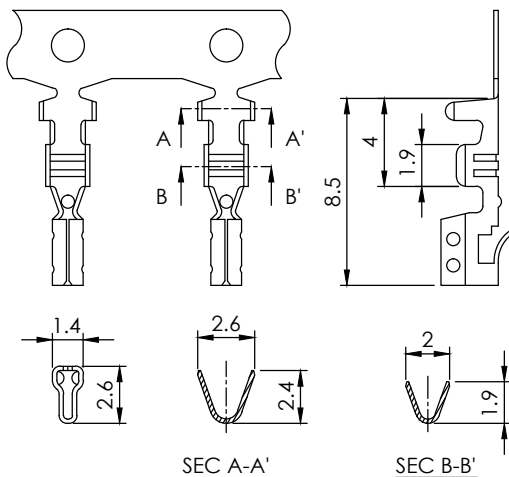
※ Color Identification: the following alphabet shall be put.

ex. 2540S 14 00 - B

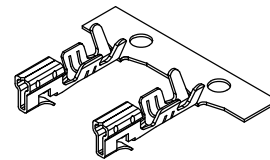
14... Circuit no. B... Black, R...Red color

Reference

- ◇ Use with 2510S Type-A, 2540S, 2640S Type-A Series Plug Housing



2543T Crimp Terminal



Ordering Information

Part No.	Applicable Wire		
	AWG #	Insulation O.D. mm	Q'ty / Reel
2543T011R	22 - 28	1.9 Max.	10,000

Material

Part No.	Material
2543T011R	Phosphor Bronze Tin-Plated

2.54 Pitch 2540 SERIES CONNECTOR



2.54 mm Pitch Wire-to-Board Connector



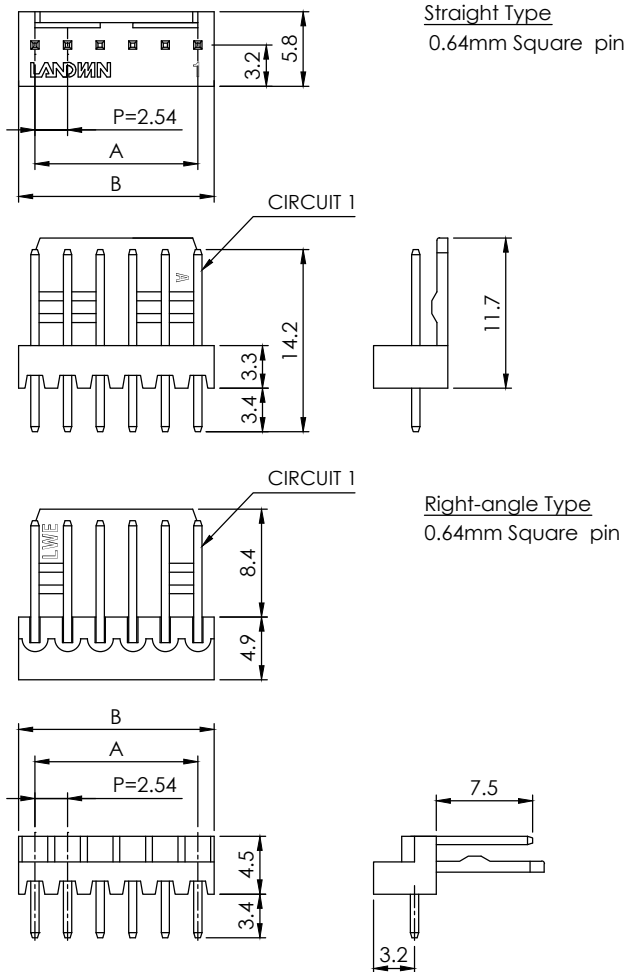
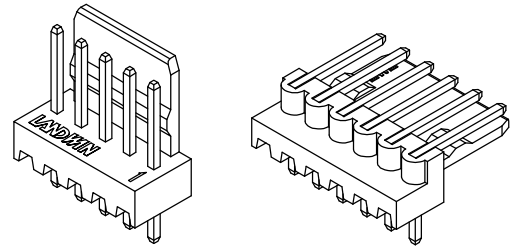
Specifications

- ◇ Current rating: 3A AC/DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 1000V AC/Minute
- ◇ Contact Resistance: 20 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Mates with 2540S , 2510S Type-1 series Plug Housing
- ◇ Certification: UL
- ◇ GWT 850° C rated product is available

2541P, 2542P DIP Header



Ordering Information

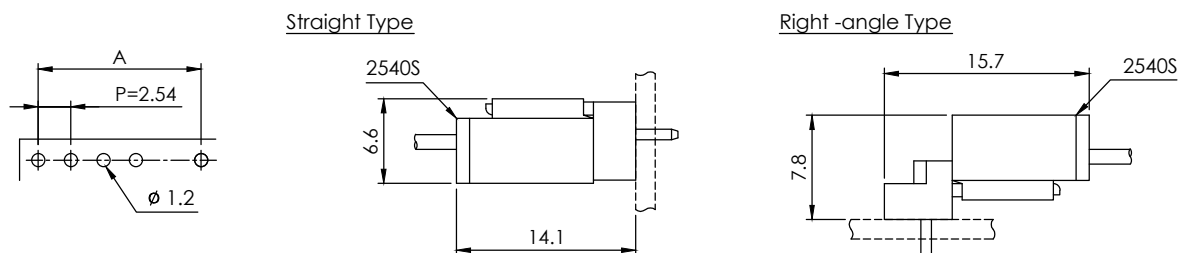
Circuits	Part No.		Dimension	
	Straight	Right-Angle	A	B
2	2541P02 00T	2542P02 00T	2.54	5.08
3	2541P03 00T	2542P03 00T	5.08	7.62
4	2541P04 00T	2542P04 00T	7.62	10.16
5	2541P05 00T	2542P05 00T	10.16	12.70
6	2541P06 00T	2542P06 00T	12.70	15.24
7	2541P07 00T	2542P07 00T	15.24	17.78
8	2541P08 00T	2542P08 00T	17.78	20.32
9	2541P09 00T	2542P09 00T	20.32	22.86
10	2541P10 00T	2542P10 00T	22.86	25.40
11	2541P11 00T	2542P11 00T	25.40	27.94
12	2541P12 00T	2542P12 00T	27.94	30.48
13	2541P13 00T	2542P13 00T	30.48	33.02
14	2541P14 00T	2542P14 00T	33.02	35.56
15	2541P15 00T	2542P15 00T	35.56	38.10

Material

Part	Material
Base	Nylon 66 94V-0, Light ivory color
Contact	Brass, Tin-plated

※ Color Identification: the following alphabet shall be put,
 ex. 2541P 06 00 I - R
 ex. 2542P 06 00 I - E
 06... Circuit no. R... Red, E... Blue color

P.C. Board Layout / Assembly Layout



2.54 Pitch 2560 SERIES CONNECTOR



2.54 mm Pitch Wire-to-Board Connector

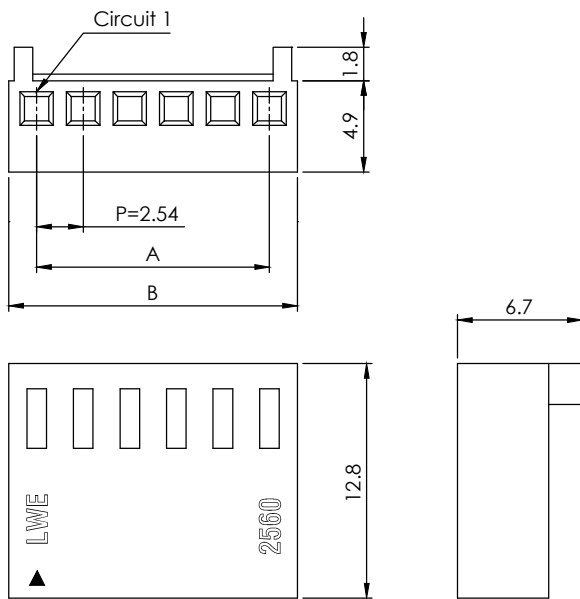


Specifications

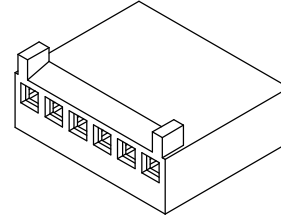
- ◇ Current rating: 4A AC/DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 1000V AC/Minute
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Mates with 2561P, 2562P series DIP Header
- ◇ Use with 2563T series Crimp Terminal
- ◇ Certification: UL
- ◇ GWT 850° C rated product is available
- ◇ Applicable wire gauge: AWG 22 - 28



2560S Plug Housing



Ordering Information

Circuits	Part No.	Dimension	
		A	B
2	2560S0200	2.54	5.74
3	2560S0300	5.08	8.28
4	2560S0400	7.62	10.82
5	2560S0500	10.16	13.36
6	2560S0600	12.70	15.90
7	2560S0700	15.24	18.44
8	2560S0800	17.78	20.98
9	2560S0900	20.32	23.52
10	2560S1000	22.86	26.06
11	2560S1100	25.40	28.60
12	2560S1200	27.94	31.14
13	2560S1300	30.48	33.68
14	2560S1400	33.02	36.22
15	2560S1500	35.56	38.76

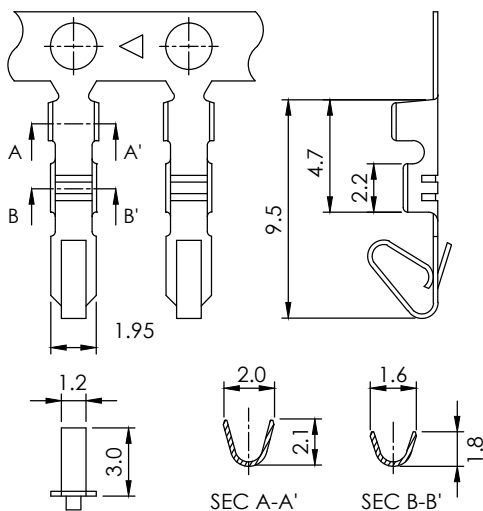
Material

Part	Material
Housing	Nylon 66 94V-0, Brick-Red

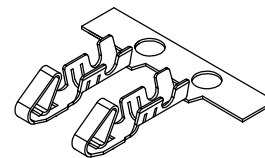
※ Color Identification: the following alphabet shall be put,
 ex. 2560S 14 00 - B
 14... Circuit no. B... Black, R...Red color
 ex. 2560S 14 10 (white color)

Reference

- ◇ Use with 2510S Type-1, 2560S, 2600S Series Plug Housing



2563T Crimp Terminal



Ordering Information

Part No.	Applicable Wire		
	AWG #	Insulation O.D. mm	Q'ty / Reel
2563T011R	22 - 28	1.9 Max.	10,000
2563T012R	22 - 28	1.9 Max.	10,000

Material

Part No.	Material
2563T011R	Phosphor Bronze, Tin-Plated
2563T012R	Brass, Tin-Plated

2.54 Pitch 2560 SERIES CONNECTOR



2.54 mm Pitch Wire-to-Board Connector



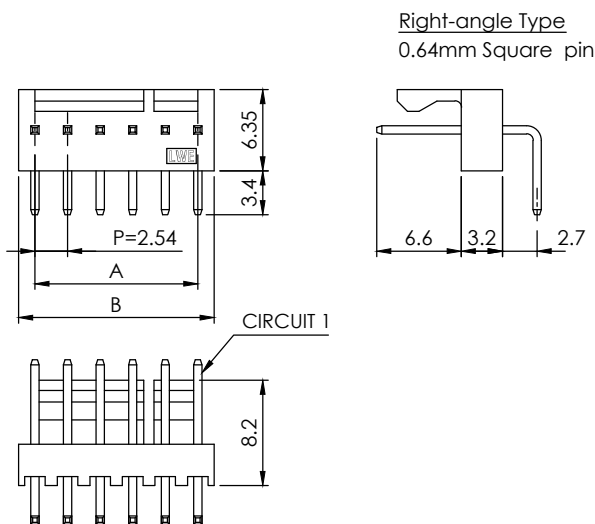
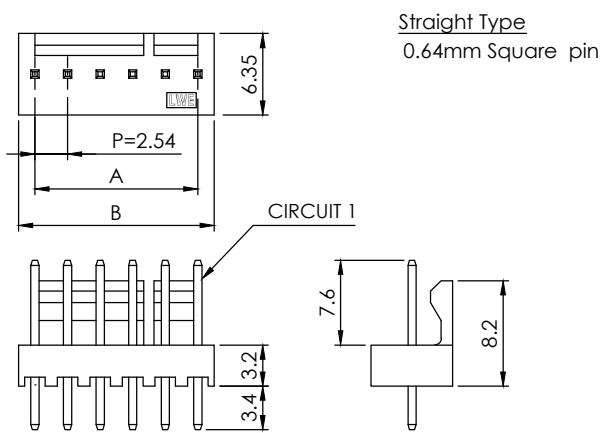
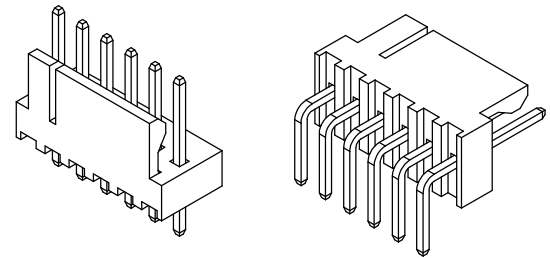
Specifications

- ◇ Current rating: 4A AC/DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 1000V AC/Minute
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Mates with 2560S series Plug Housing
- ◇ GWT 850° C rated product is available

2561P, 2562P DIP Header



Ordering Information

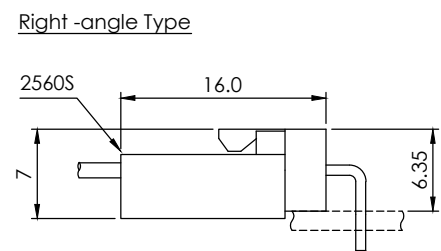
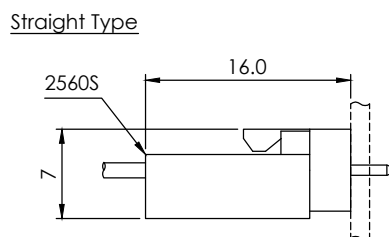
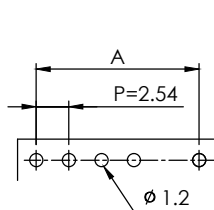
Circuits	Part No.		Dimension	
	Straight	Right-Angle	A	B
2	2561P0200T	2562P0200T	2.54	5.08
3	2561P0300T	2562P0300T	5.08	7.62
4	2561P0400T	2562P0400T	7.62	10.16
5	2561P0500T	2562P0500T	10.16	12.70
6	2561P0600T	2562P0600T	12.70	15.24
7	2561P0700T	2562P0700T	15.24	17.78
8	2561P0800T	2562P0800T	17.78	20.32
9	2561P0900T	2562P0900T	20.32	22.86
10	2561P1000T	2562P1000T	22.86	25.40
11	2561P1100T	2562P1100T	25.40	27.94
12	2561P1200T	2562P1200T	27.94	30.48
13	2561P1300T	2562P1300T	30.48	33.02
14	2561P1400T	2562P1400T	33.02	35.56
15	2561P1500T	2562P1500T	35.56	38.10

Material

Part	Material
Base	Nylon 66 94V-0, Brick-Red
Contact	Brass, Tin-Plated

※ Color Identification: the following alphabet shall be put,
 ex. 2561P 06 00 I - R
 ex. 2562P 06 00 I - E
 06... Circuit no. R... Red, E... Blue color

P.C. Board Layout / Assembly Layout



2.54 Pitch 2560 SERIES CONNECTOR



2.54 mm Pitch Wire-to-Board Connector



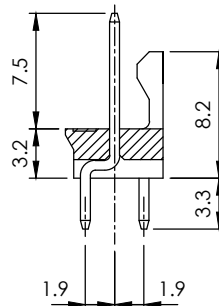
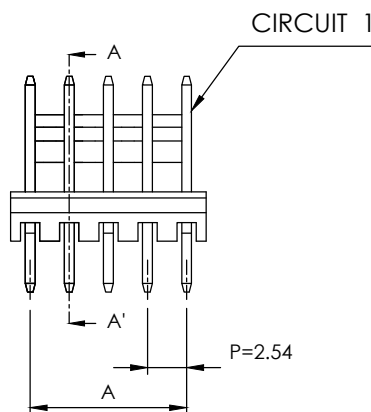
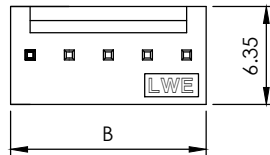
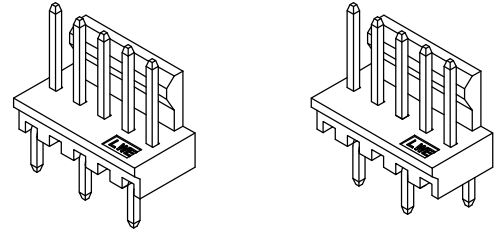
■ Specifications

- ◇ Current rating: 4A AC/DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 1000V AC/Minute
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

■ Reference

- ◇ Mates with 2560S series Plug Housing
- ◇ GWT 850° C rated product is available

2561P Straggled DIP Header (Type G)



Ordering Information

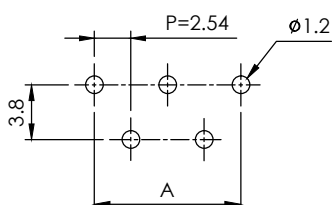
Circuits	Part No.	Dimension	
		A	B
2	2561P02G3T	2.54	5.08
3	2561P03G3T	5.08	7.62
4	2561P04G3T	7.62	10.16
5	2561P05G3T	10.16	12.70
6	2561P06G3T	12.70	15.24
7	2561P07G3T	15.24	17.78
8	2561P08G3T	17.78	20.32
9	2561P09G3T	20.32	22.86
10	2561P10G3T	22.86	25.40

Material

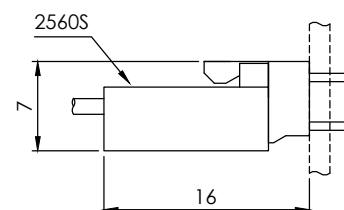
Part	Material
Base	Glass-filled PBT 94V-0, White (natural)
Contact	Brass, Tin-plated

※ Color Identification: the following alphabet shall be put,
 ex. 2561P 06 G3 I - R
 06... Circuit no. R... Red, E... Blue, S... white color

P.C. Board Layout / Assembly Layout



ASSEMBLY LAYOUT



2.54 Pitch 2570 SERIES CONNECTOR



2.54 mm Pitch Wire-to-Board Connector

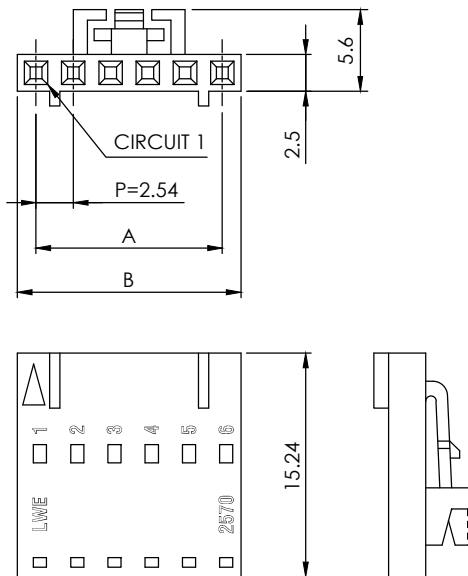


Specifications

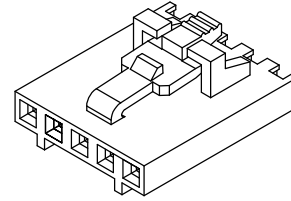
- ◇ Current rating: 3A AC/DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 1500V AC/Minute
- ◇ Contact Resistance: 15 mΩ Max. before environment test
- ◇ Insulation Resistance: 10000 MΩ Min.
- ◇ Temperature Range: -40° C to 120° C

Reference

- ◇ Mates with 2571P, 2572P series DIP Header
- ◇ Mates with 2570M series Receptacle Housing
- ◇ Use with 2573T series Crimp Terminal
- ◇ Certification: UL
- ◇ GWT 750° C rated product is available
- ◇ Applicable wire gauge: AWG 22 - 30



2570S Plug Housing



Ordering Information

Circuits	Part No.	Dimension	
		A	B
2	2570S0203	2.54	5.1
3	2570S0303	5.08	7.6
4	2570S0403	7.62	10.2
5	2570S0503	10.16	12.7
6	2570S0603	12.70	15.2
7	2570S0703	15.24	17.8
8	2570S0803	17.78	20.3
9	2570S0903	20.32	22.9
10	2570S1003	22.86	25.4
11	2570S1103	25.40	27.9
12	2570S1203	27.94	30.5
13	2570S1303	30.48	33.0
14	2570S1403	33.02	35.5
15	2570S1503	35.56	38.1

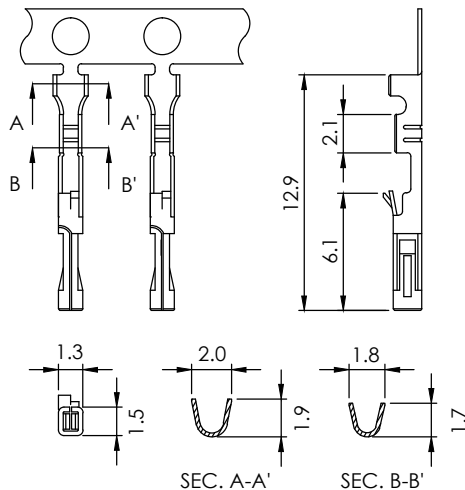
Material

Part	Material
Housing	Glass-filled PBT 94V-0, Black

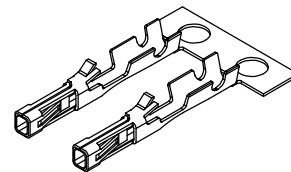
※ Color Identification: the following alphabet shall be put,
ex. 2570S 14 03 - S
14... Circuit no. S... White, R...Red color

Reference

- ◇ Use with 2570S Series Plug Housing



2573T Crimp Terminal



Ordering Information

Part No.	Applicable Wire		
	AWG #	Insulation O.D. mm	Q'ty / Reel
2573T011R	22 - 30	1.6 Max.	15,000
2573T012R	22 - 30	1.6 Max.	15,000

Material

Part No.	Material
2573T011R	Phosphor Bronze, Tin-Plated
2573T012R	Brass, Tin-Plated

2.54 Pitch 2570 SERIES CONNECTOR



2.54 mm Pitch Wire-to-Board Connector



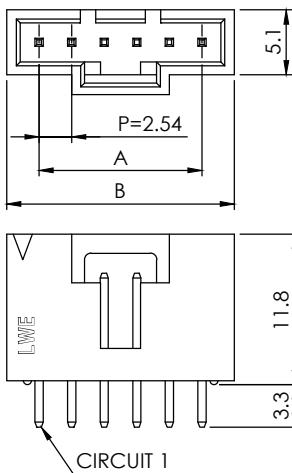
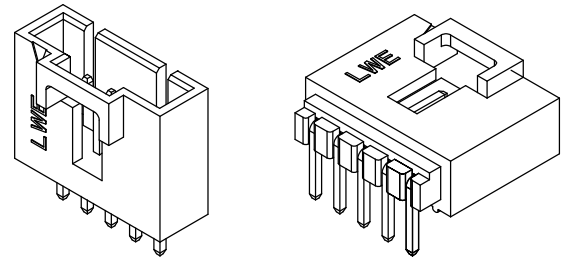
Specifications

- ◇ Current rating: 3A AC/DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 1500V AC/Minute
- ◇ Contact Resistance: 15 mΩ Max. before environment test
- ◇ Insulation Resistance: 10000 MΩ Min.
- ◇ Temperature Range: -40° C to 120° C

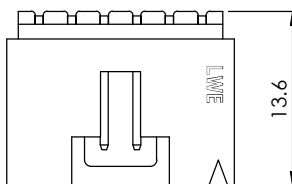
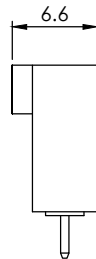
Reference

- ◇ Mates with 2570S series Plug Housing
- ◇ GWT 750° C rated product is available

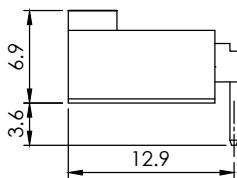
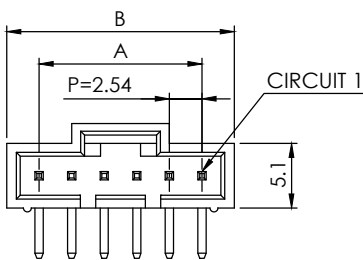
2571P, 2572P DIP Header



Straight Type
0.64mm Square pin



Right-Angle Type
0.64mm Square pin



Ordering Information

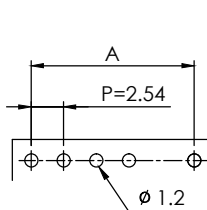
Circuits	Part No.		Dimension	
	Straight	Right-Angle	A	B
2	2571P0203T	2572P0203T	2.54	7.60
3	2571P0303T	2572P0303T	5.08	10.12
4	2571P0403T	2572P0403T	7.62	12.66
5	2571P0503T	2572P0503T	10.16	15.20
6	2571P0603T	2572P0603T	12.70	17.74
7	2571P0703T	2572P0703T	15.24	20.28
8	2571P0803T	2572P0803T	17.78	22.82
9	2571P0903T	2572P0903T	20.32	25.36
10	2571P1003T	2572P1003T	22.86	27.90
11	2571P1103T	2572P1103T	25.40	30.44
12	2571P1203T	2572P1203T	27.94	32.98
13	2571P1303T	2572P1303T	30.48	35.52
14	2571P1403T	2572P1403T	33.02	38.06
15	2571P1503T	2572P1503T	35.56	40.60

Material

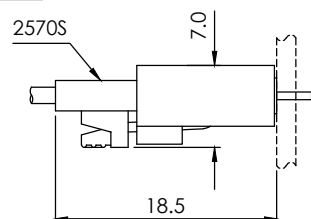
Part	Material
Base	Glass-filled PBT 94V-0, Black
Contact	Brass, Tin-plated

※ Color Identification: the following alphabet shall be put,
 ex. 2571P 06 03 I - R
 ex. 2572P 06 03 I - E
 06... Circuit no. R... Red, E... Blue color

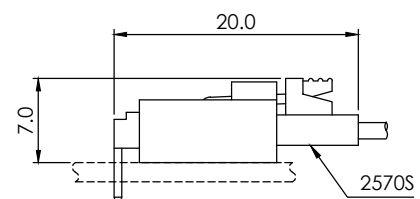
P.C. Board Layout / Assembly Layout



Straight Type



Right-Angle Type



2.54 Pitch 2570 SERIES CONNECTOR



2.54 mm Pitch Wire-to-Wire Connector



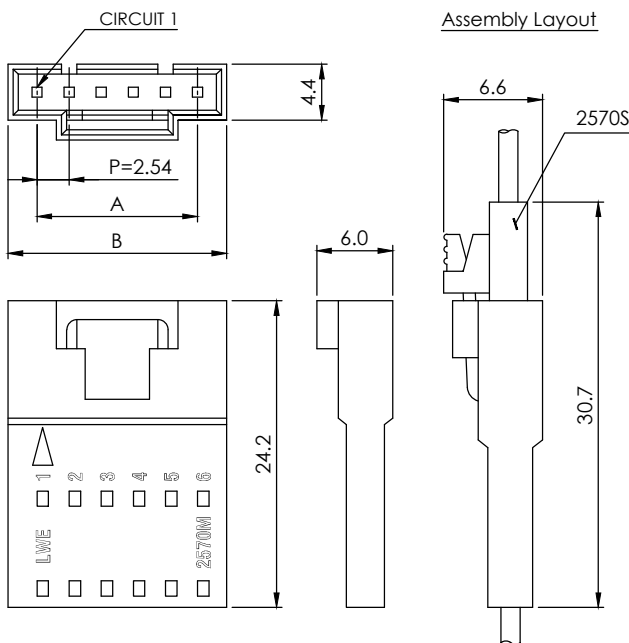
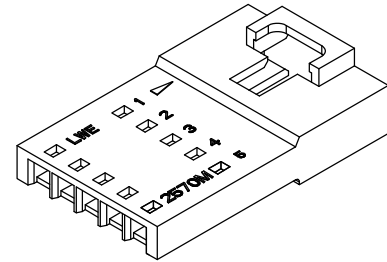
Specifications

- ◇ Current rating: 3A AC/DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 1500V AC/Minute
- ◇ Contact Resistance: 15 mΩ Max. before environment test
- ◇ Insulation Resistance: 10000 MΩ Min.
- ◇ Temperature Range: -40° C to 120° C

Reference

- ◇ Mates with 2570S series Plug Housing
- ◇ Use with 2573TM series Pin-Contact Crimp Terminal
- ◇ GWT 750° C rated product is available
- ◇ Applicable wire gauge: AWG 24 - 30

2570M Receptacle Housing



Ordering Information

Circuits	Part No.	Dimension	
		A	B
2	2570M0203	2.54	7.1
3	2570M0303	5.08	9.7
4	2570M0403	7.62	12.2
5	2570M0503	10.16	14.7
6	2570M0603	12.70	17.3
7	2570M0703	15.24	19.8
8	2570M0803	17.78	22.35
9	2570M0903	20.32	24.89
10	2570M1003	22.86	27.43
11	2570M1103	25.40	29.97
12	2570M1203	27.94	32.51
13	2570M1303	30.48	35.05
14	2570M1403	33.02	37.59
15	2570M1503	35.56	40.13

Material

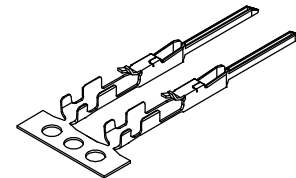
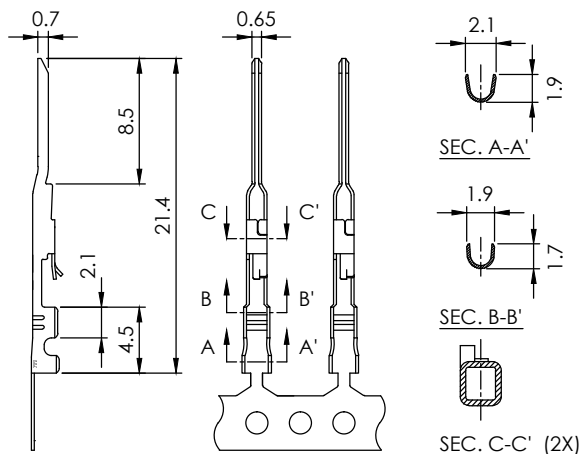
Part	Material
Housing	Glass-filled PBT 94V-0, Black

※ Color Identification: the following alphabet shall be put, ex. 2570M 14 03 - S
14... Circuit no. S... White, R...Red color

Reference

- ◇ Use with 2570M series Receptacle Housing

2573TM Pin-Contact Crimp Terminal



Ordering Information

Part No.	Applicable Wire		
	AWG #	Insulation O.D. mm	Q'ty / Reel
2573TM11R	24 - 30	1.6 Max.	15,000

Material

Part No.	Material
2573TM11R	Phosphor Bronze, Tin-plated

2.54 Pitch 2580 SERIES CONNECTOR



2.54 mm Pitch Wire-to-Board Connector

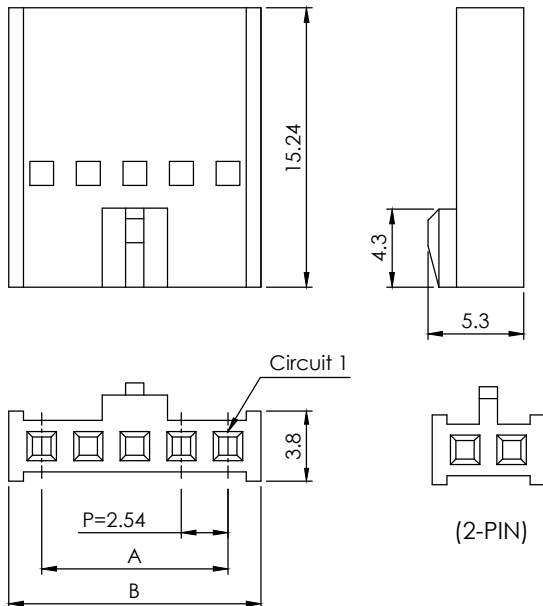


Specifications

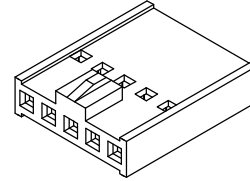
- ◇ Current rating: 3A AC/DC Max.
- ◇ Voltage Range: 350V AC,DC
- ◇ Withstand Voltage: 1000V AC/Minute
- ◇ Contact Resistance: 20 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -55° C to 125° C

Reference

- ◇ Mates with 2581P, 2582P series Single-row Header
- ◇ Use with 2583T02 series Crimp Terminal
- ◇ Certification: UL
- ◇ GWT 850° C rated product is available
- ◇ Applicable wire gauge: AWG 22 - 24



2580S Single-Row Plug Housing (Type A)



Ordering Information

Circuits	Part No.	Dimension	
		A	B
2	2580S02A3	2.54	6.14
3	2580S03A3	5.08	8.68
4	2580S04A3	7.62	11.22
5	2580S05A3	10.16	13.76
6	2580S06A3	12.70	16.30
7	2580S07A3	15.24	18.84
8	2580S08A3	17.78	21.38
9	2580S09A3	20.32	23.92
10	2580S10A3	22.86	26.46
11	2580S11A3	25.40	29.00
12	2580S12A3	27.94	31.54
13	2580S13A3	30.48	34.08
14	2580S14A3	33.02	36.62
15	2580S15A3	35.56	39.16

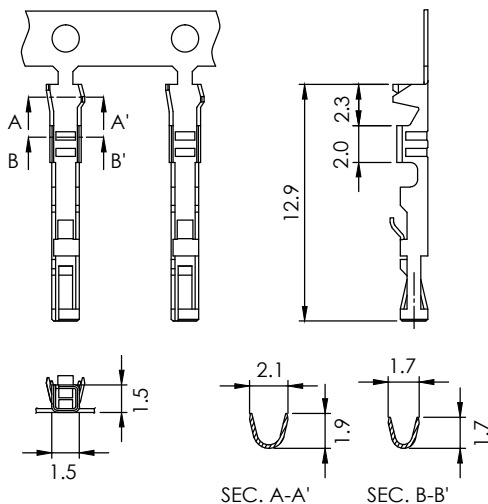
Material

Part	Material
Housing	Glass-filled PBT 94V-0, Black

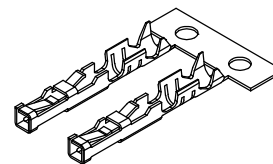
※ Color Identification: the following alphabet shall be put,
 ex. 2580S 14 A3 - S
 14... Circuit no. S... White, R...Red color

Reference

- ◇ Use with 2580S series Plug Housing



2583T Crimp Terminal



Ordering Information

Part No.	Applicable Wire		Q'ty / Reel
	AWG #	Insulation O.D. mm	
2583T021R	22 - 24	1.6 Max.	15,000

Material

Part No.	Material / Finish
2583T021R	Phosphor Bronze, Tin-plated

2.54 Pitch 2580 SERIES CONNECTOR



2.54 mm Pitch Wire-to-Board Connector



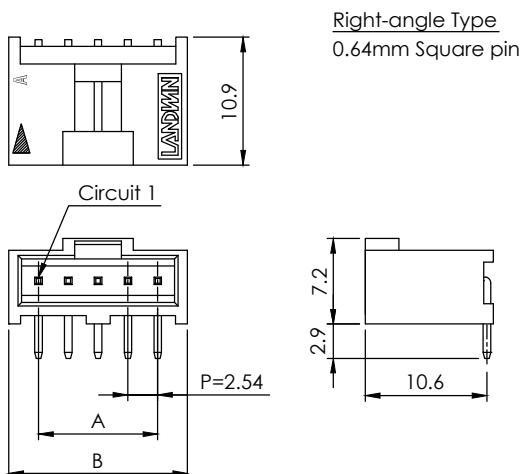
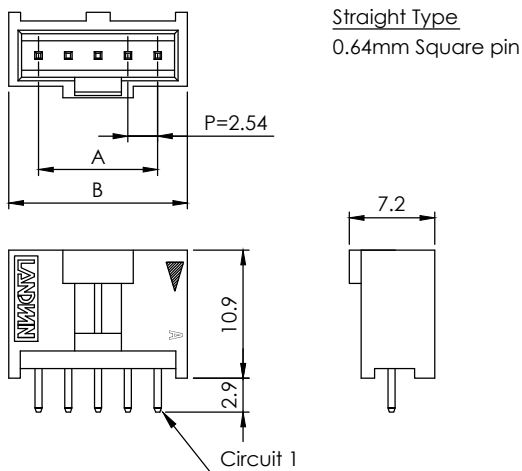
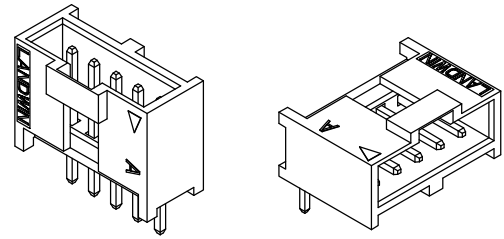
Specifications

- ◇ Current rating: 3A AC/DC Max.
- ◇ Voltage Range: 350V AC,DC
- ◇ Withstand Voltage: 1000V AC/Minute
- ◇ Contact Resistance: 20 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -55° C to 125° C

Reference

- ◇ Mates with 2580S series Single-row Plug Housing
- ◇ Certification: Refer to 2580S series
- ◇ GWT 850° C rated product is available

2581P, 2582P Single-Row DIP Header (Type A)



Ordering Information

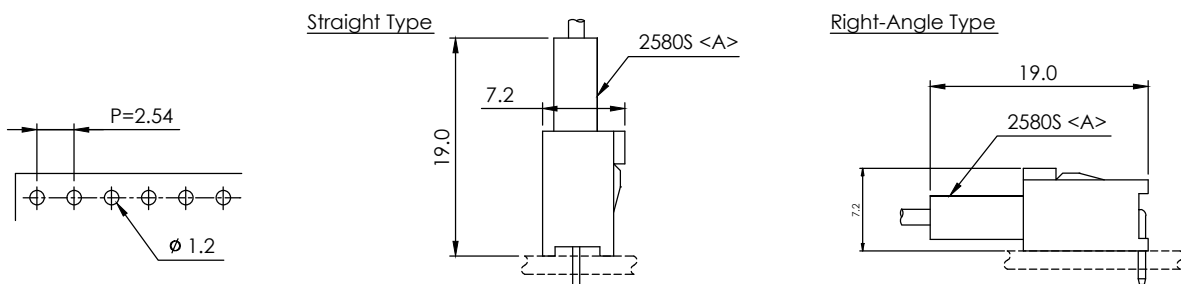
Circuits	Part No.		Dimension	
	Straight	Right-angle	A	B
2	2581P02A3T	2582P02A3T	2.54	8.8
3	2581P03A3T	2582P03A3T	5.08	11.4
4	2581P04A3T	2582P04A3T	7.62	13.9
5	2581P05A3T	2582P05A3T	10.16	16.4
6	2581P06A3T	2582P06A3T	12.70	19.0
7	2581P07A3T	2582P07A3T	15.24	21.5
8	2581P08A3T	2582P08A3T	17.78	24.1
9	2581P09A3T	2582P09A3T	20.32	26.6
10	2581P10A3T	2582P10A3T	22.86	29.1
11	2581P11A3T	2582P11A3T	25.40	31.7
12	2581P12A3T	2582P12A3T	27.94	34.2
13	2581P13A3T	2582P13A3T	30.48	36.8
14	2581P14A3T	2582P14A3T	33.02	39.3
15	2581P15A3T	2582P15A3T	35.56	41.8

Material

Part	Material
Base	Glass-filled PBT 94V-0, Black
Contact	Brass, Tin-plated

※ Color Identification: the following alphabet shall be put,
 ex. 2581P 06 A3 X - R
 ex. 2582P 06 A3 X - E
 06... Circuit no. R... Red, E... Blue color
 X... Plating Selection: T... Tin, V... Matte Tin-plated,

P.C. Board Layout / Assembly Layout



2.54 Pitch 2580 SERIES CONNECTOR



2.54 mm Pitch Wire-to-Board Connector



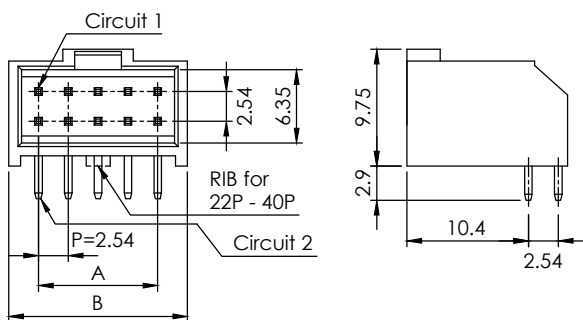
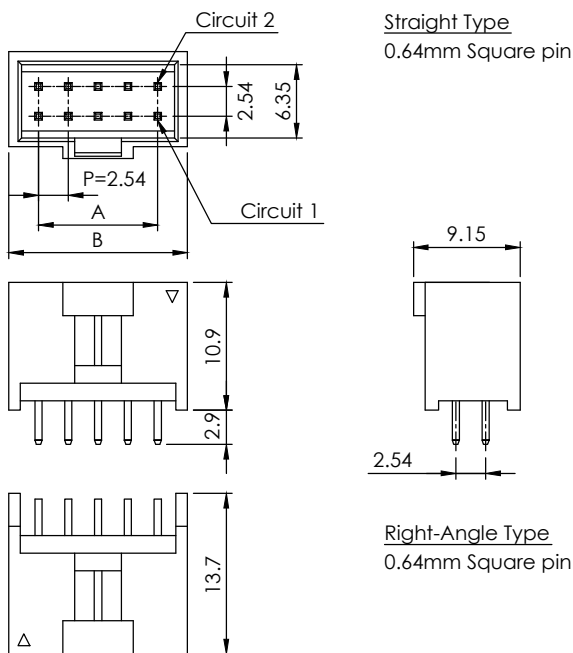
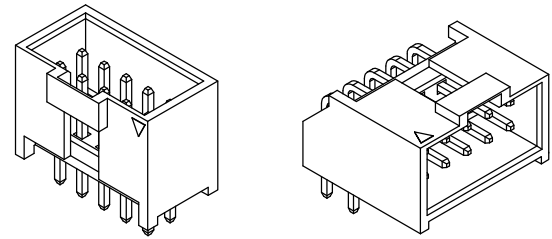
Specifications

- ◇ Current rating: 3A AC/DC Max.
- ◇ Voltage Range: 350V AC,DC
- ◇ Withstand Voltage: 1000V AC/Minute
- ◇ Contact Resistance: 20 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -55° C to 125° C

Reference

- ◇ Mates with 2580S series Dual-row Plug Housing
- ◇ Certification: Refer to 2580S series
- ◇ GWT 850° C rated product is available

2581P, 2582P Dual-Row DIP Header



Ordering Information

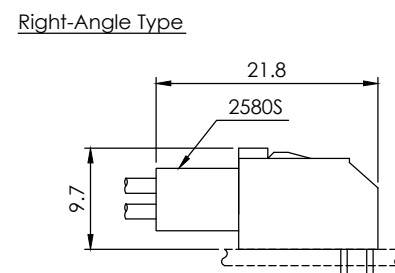
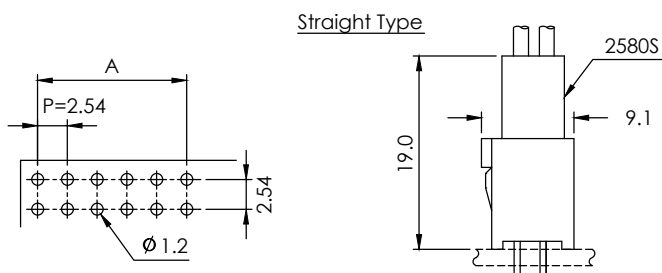
Circuits	Part No.		Dimension	
	Straight	Right-Angle	A	B
6	2581P0603T	2582P0603T	5.08	10.16
8	2581P0803T	2582P0803T	7.62	12.70
10	2581P1003T	2582P1003T	10.16	15.24
12	2581P1203T	2582P1203T	12.70	17.78
14	2581P1403T	2582P1403T	15.24	20.32
16	2581P1603T	2582P1603T	17.78	22.86
18	2581P1803T	2582P1803T	20.32	25.40
20	2581P2003T	2582P2003T	22.86	27.94
22	2581P2203T	2582P2203T	25.40	30.48
24	2581P2403T	2582P2403T	27.94	33.02
26	2581P2603T	2582P2603T	30.48	35.56
28	2581P2803T	2582P2803T	33.02	38.10
30	2581P3003T	2582P3003T	35.56	40.64
32	2581P3203T	2582P3203T	38.10	43.18
34	2581P3403T	2582P3403T	40.64	45.72
36	2581P3603T	2582P3603T	43.18	48.26
38	2581P3803T	2582P3803T	45.72	50.80
40	2581P4003T	2582P4003T	48.26	53.34

Material

Part	Material
Base	Glass-filled PBT 94V-0, Black
Contact	Brass, Tin-plated

※ Color Identification: the following alphabet shall be put,
 ex. 2581P 06 03 X - R
 ex. 2582P 06 03 X - E
 06... Circuit no. R... Red, E... Blue color
 X... Plating Selection: T... Tin, V... Matte Tin-plated,

P.C. Board Layout / Assembly Layout



2.54 Pitch 2630 SERIES CONNECTOR



2.54 mm Pitch Wire-to-Board, Wire-to-Wire Connector



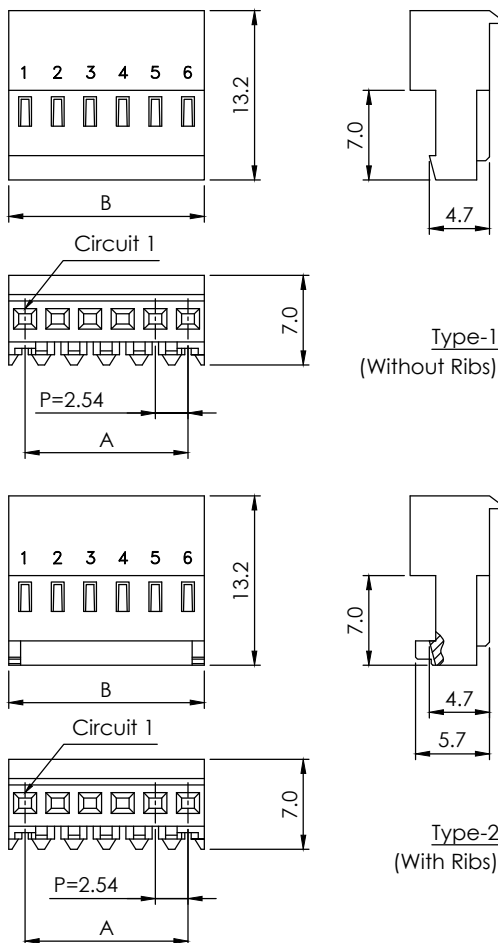
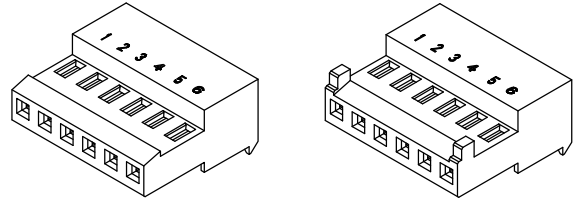
Specifications

- ◇ Current rating: 4A AC/DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 750V AC/Minute
- ◇ Contact Resistance: 6 mΩ Max. before environment test
- ◇ Insulation Resistance: 5000 MΩ Min.
- ◇ Temperature Range: -55° C to 105° C

Reference

- ◇ Mates with 2631P, 2632P series DIP Header
- ◇ Mates with 2630P series IDC Receptacle Housing
- ◇ Certification: UL
- ◇ GWT 750° C rated product is available

2630R IDC Plug Housing



Ordering Information

Circuits	Part No.		Dimension	
	Without Ribs Type-1	With Ribs Type-2	A	B
2	2630R0222T-1 X	2630R0222T-2 X	2.54	5.08
3	2630R0322T-1 X	2630R0322T-2 X	5.08	7.62
4	2630R0422T-1 X	2630R0422T-2 X	7.62	10.16
5	2630R0522T-1 X	2630R0522T-2 X	10.16	12.70
6	2630R0622T-1 X	2630R0622T-2 X	12.70	15.24
7	2630R0722T-1 X	2630R0722T-2 X	15.24	17.78
8	2630R0822T-1 X	2630R0822T-2 X	17.78	20.32
9	2630R0922T-1 X	2630R0922T-2 X	20.32	22.86
10	2630R1022T-1 X	2630R1022T-2 X	22.86	25.40
11	2630R1122T-1 X	2630R1122T-2 X	25.40	27.94
12	2630R1222T-1 X	2630R1222T-2 X	27.94	30.48
13	2630R1322T-1 X	2630R1322T-2 X	30.48	33.02
14	2630R1422T-1 X	2630R1422T-2 X	33.02	35.56

Material

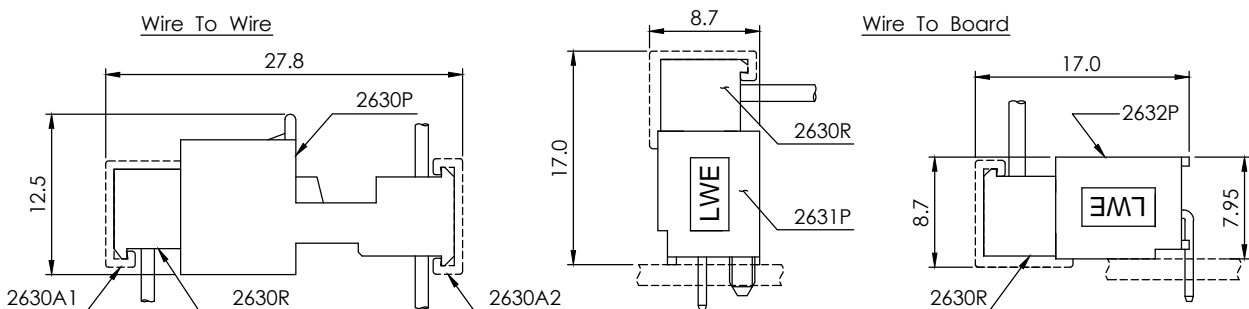
Part	Material
Base	Nylon 66 94V-2
Contact	Phosphor bronze, Tin-plated

Application

X:Code	Color of Housing	Applicable Wire
X = 2	RED	22 AWG
X = 0	NATURAL	24 AWG
X = 6	BLUE	26 AWG
X = 5	GREEN	28 AWG

※ 2630A1, 2630A2 series are under development.

P.C. Board Layout / Assembly Layout



2.54 Pitch 2630 SERIES CONNECTOR



2.54 mm Pitch Wire-to-Wire Connector



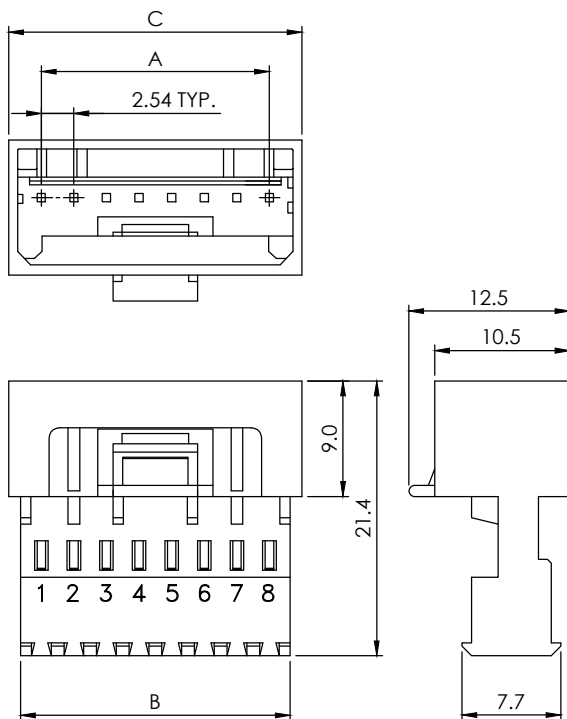
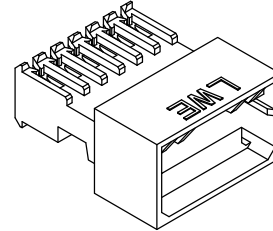
Specifications

- ◇ Current rating: 4A AC/DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 750V AC/Minute
- ◇ Contact Resistance: 6 mΩ Max. before environment test
- ◇ Insulation Resistance: 5000 MΩ Min.
- ◇ Temperature Range: -55° C to 105° C

Reference

- ◇ Mates with 2630R series IDC Plug Housing
- ◇ Certification: UL
- ◇ GWT 750° C rated product is available

2630P IDC Receptacle Housing Pin Contact



Ordering Information

Circuits	Part No.	Dimension		
		A	B	C
2	2630P0222T-1 X	2.54	5.77	7.62
3	2630P0322T-1 X	5.08	8.31	10.16
4	2630P0422T-1 X	7.62	10.85	12.70
5	2630P0522T-1 X	10.16	13.39	15.24
6	2630P0622T-1 X	12.70	15.93	17.78
7	2630P0722T-1 X	15.24	18.47	20.32
8	2630P0822T-1 X	17.78	21.01	22.86
9	2630P0922T-1 X	20.32	23.55	25.40
10	2630P1022T-1 X	22.86	26.09	27.94
11	2630P1122T-1 X	25.40	28.63	30.48
12	2630P1222T-1 X	27.94	31.17	33.02
13	2630P1322T-1 X	30.48	33.71	35.56
14	2630P1422T-1 X	33.02	36.25	38.10

Material

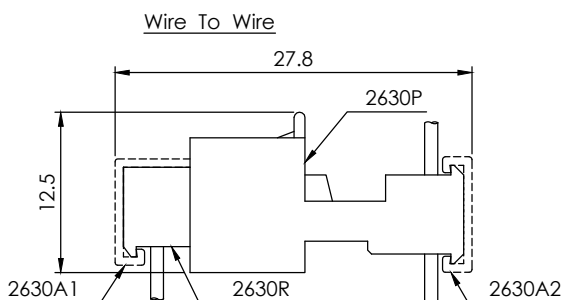
Part	Material
Base	Nylon 66 94V-2
Contact	Phosphor bronze, Tin-plated

Application

X:Code	Color of Housing	Applicable Wire
X = 2	RED	22 AWG
X = 0	NATURAL	24 AWG
X = 6	BLUE	26 AWG
X = 5	GREEN	28 AWG

※ 2630A1, 2630A2 series are under development.

P.C. Board Layout / Assembly Layout



2.54 Pitch 2630 SERIES CONNECTOR



2.54 mm Pitch Wire-to-Board Connector



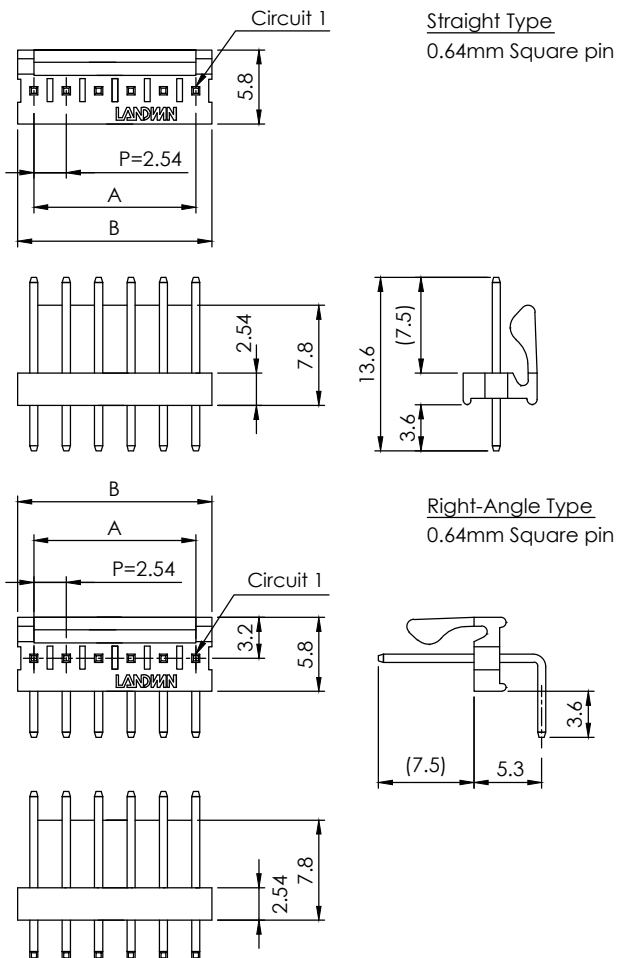
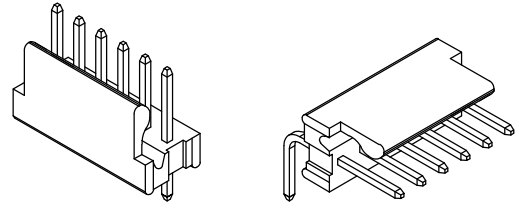
Specifications

- ◇ Current rating: 4A AC/DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 750V AC/Minute
- ◇ Contact Resistance: 6 mΩ Max. before environment test
- ◇ Insulation Resistance: 5000 MΩ Min.
- ◇ Temperature Range: -55° C to 105° C

Reference

- ◇ Mates with 2630R series IDC Plug Housing
- ◇ GWT 850° C rated product is available

2631P, 2632P DIP Header



Ordering Information

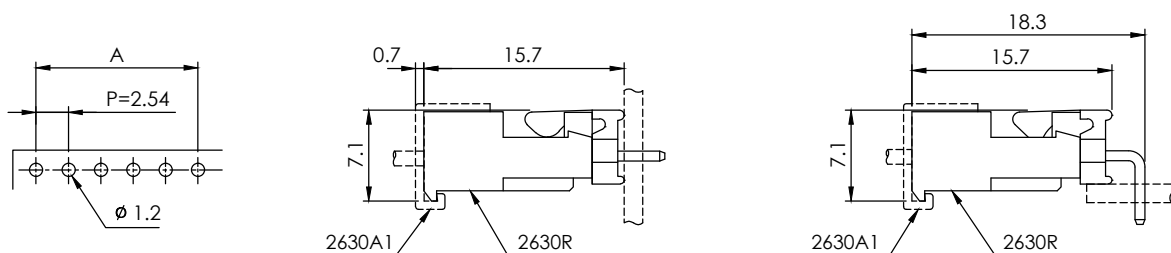
Circuits	Part No.		Dimension	
	Straight	Right-Angle	A	B
2	2631P02A3T	2632P02A3T	2.54	5.08
3	2631P03A3T	2632P03A3T	5.08	7.62
4	2631P04A3T	2632P04A3T	7.62	10.16
5	2631P05A3T	2632P05A3T	10.16	12.70
6	2631P06A3T	2632P06A3T	12.70	15.24
7	2631P07A3T	2632P07A3T	15.24	17.78
8	2631P08A3T	2632P08A3T	17.78	20.32
9	2631P09A3T	2632P09A3T	20.32	22.86
10	2631P10A3T	2632P10A3T	22.86	25.40
11	2631P11A3T	2632P11A3T	25.40	27.94
12	2631P12A3T	2632P12A3T	27.94	30.48
13	2631P13A3T	2632P13A3T	30.48	33.02
14	2631P14A3T	2632P14A3T	33.02	35.56
15	2631P15A3T	2632P15A3T	35.56	38.10

Material

Part	Material
Base	Glass-filled PBT 94V-0, White (natural)
Contact	Brass, Tin-plated

※ Color Identification: the following alphabet shall be put,
 ex. 2631P 06 A3 X - R
 ex. 2632P 06 A3 X - E
 06... Circuit no. R... Red, E... Blue color
 X... Plating Selection: T... Tin, V... Matte Tin-plated,

P.C. Board Layout / Assembly Layout



2.54 Pitch 2630 SERIES CONNECTOR



2.54 mm Pitch Wire-to-Board Connector



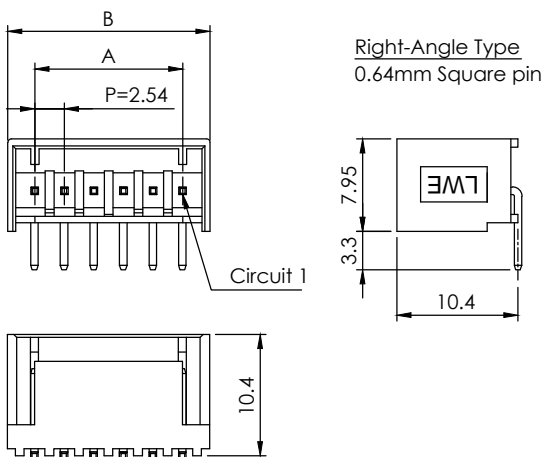
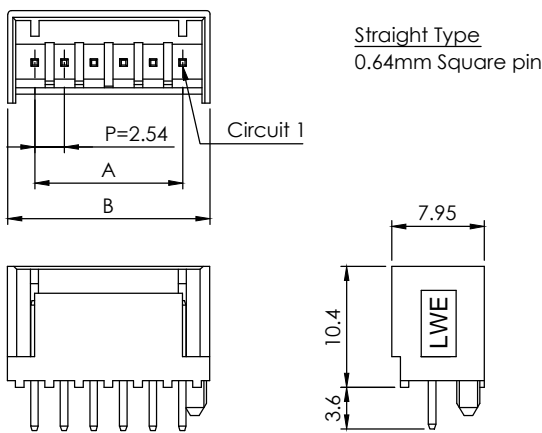
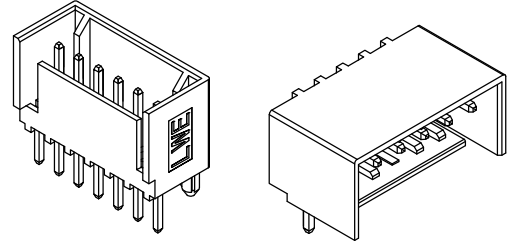
Specifications

- ◇ Current rating: 4A AC/DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 750V AC/Minute
- ◇ Contact Resistance: 6 mΩ Max. before environment test
- ◇ Insulation Resistance: 5000 MΩ Min.
- ◇ Temperature Range: -55° C to 105° C

Reference

- ◇ Mates with 2630R Series IDC Plug Housing
- ◇ GWT 850° C rated product is available

2631P, 2632P Shrouded Header High Temperature



Ordering Information

Circuits	Part No.		Dimension	
	Straight	Right-Angle	A	B
2	2631P0234T	2632P0234T	2.54	7.21
3	2631P0334T	2632P0334T	5.08	9.75
4	2631P0434T	2632P0434T	7.62	12.29
5	2631P0534T	2632P0534T	10.16	14.83
6	2631P0634T	2632P0634T	12.70	17.37
7	2631P0734T	2632P0734T	15.24	19.91
8	2631P0834T	2632P0834T	17.78	22.45
9	2631P0934T	2632P0934T	20.32	24.99
10	2631P1034T	2632P1034T	22.86	27.53
11	2631P1134T	2632P1134T	25.40	30.07
12	2631P1234T	2632P1234T	27.94	32.61
13	2631P1334T	2632P1334T	30.48	35.15
14	2631P1434T	2632P1434T	33.02	37.69

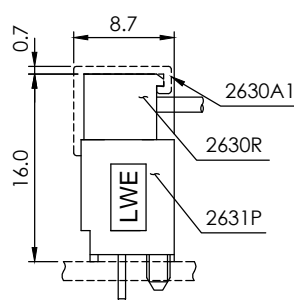
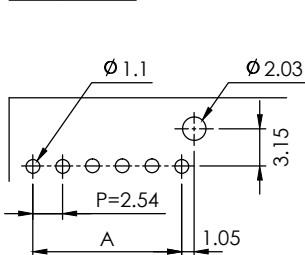
Material

Part	Material
Base	HIGH-HDT NYLON 94V-0, Black
Contact	Brass, Tin-plated

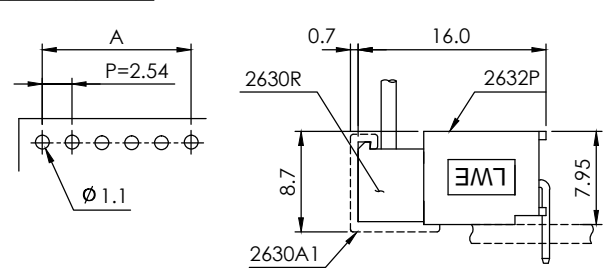
※ Color Identification: the following alphabet shall be put,
 ex. 2631P 06 34 X - R
 ex. 2632P 06 34 X - E
 06... Circuit no. R... Red, E... Blue color
 X... Plating Selection: T... Tin, V... Matte Tin-plated,

P.C. Board Layout / Assembly Layout

Straight Type



Right-Angle Type



BATTERY CONNECTOR



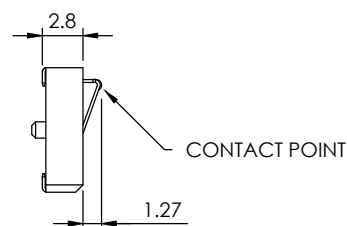
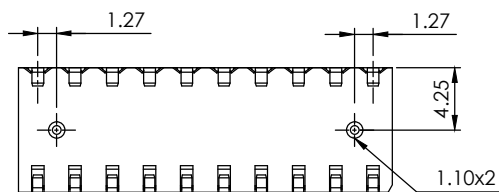
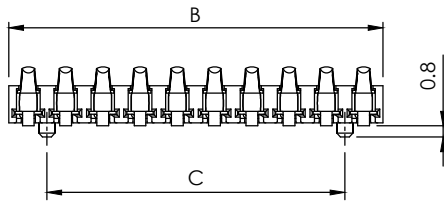
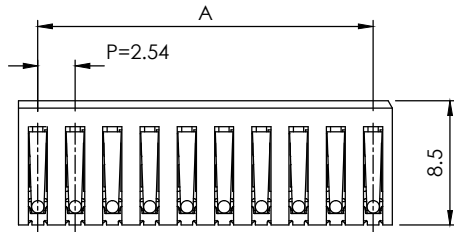
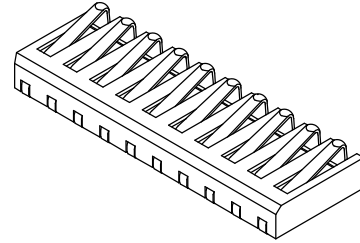
2.54 mm Pitch BATTERY CONNECTOR



Specifications

- ◇ Current rating: 3A DC MAX.
- ◇ Voltage Range: 60V DC
- ◇ Withstand Voltage: 500V AC/Minute
- ◇ Contact Resistance: 25 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -55° C to 125° C

65002P SMT Header



Ordering Information

Circuits	Part No.	Dimension		
		A	B	C
5	65002P05 A51-B	10.16	12.80	7.62
10	65002P10 A51-B	22.86	25.50	20.32

Material

Part	Material/Finish
Base	LCP 94V-0, Black Color
Contact	Copper Alloy, Gold Flash-Plated

※ PART NUMBER ASSIGNMENT:

ex. 65002P XX A5 X - B

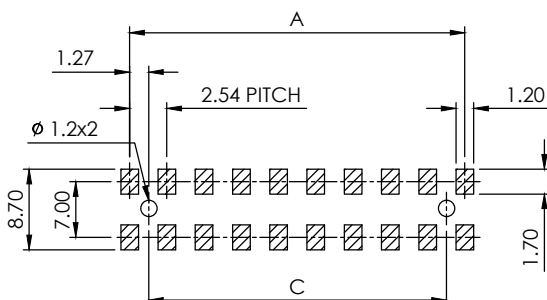
XX... Circuit Nos

X... Plating Selection: 1... Gold - plated

B... Black color

※ Contact sales for available P/N up to date.

P.C. Board Layout / Assembly Layout



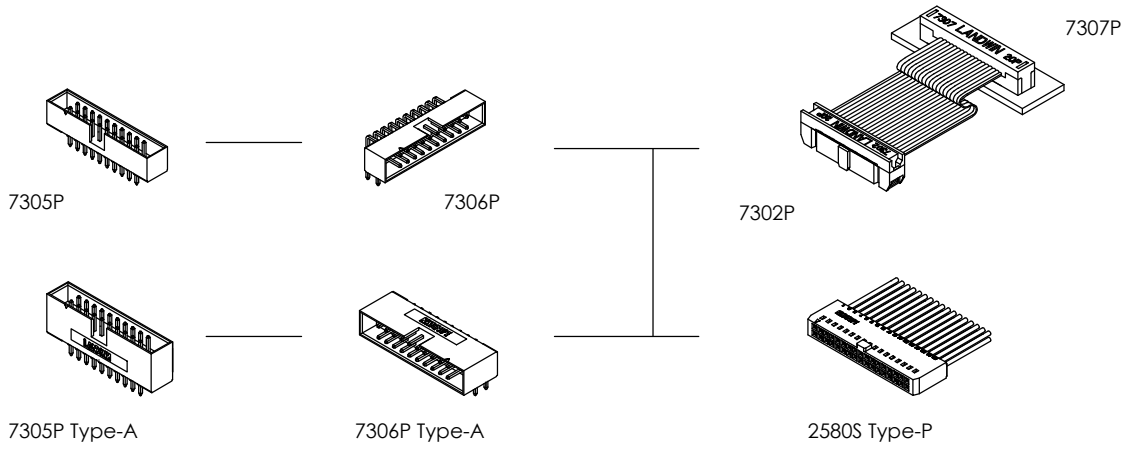
2.54 Pitch SERIES



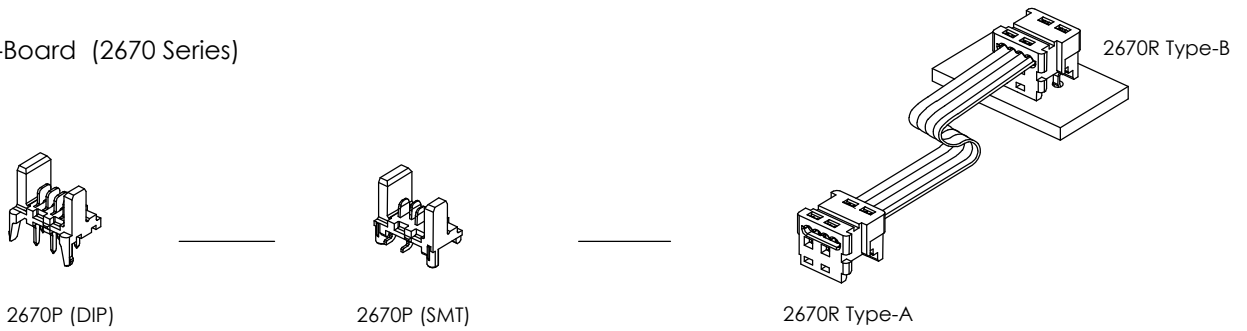
2.54 mm Pitch PIN Headers and Receptacle Headers - Application Overview

RoHS REACH LF HFA

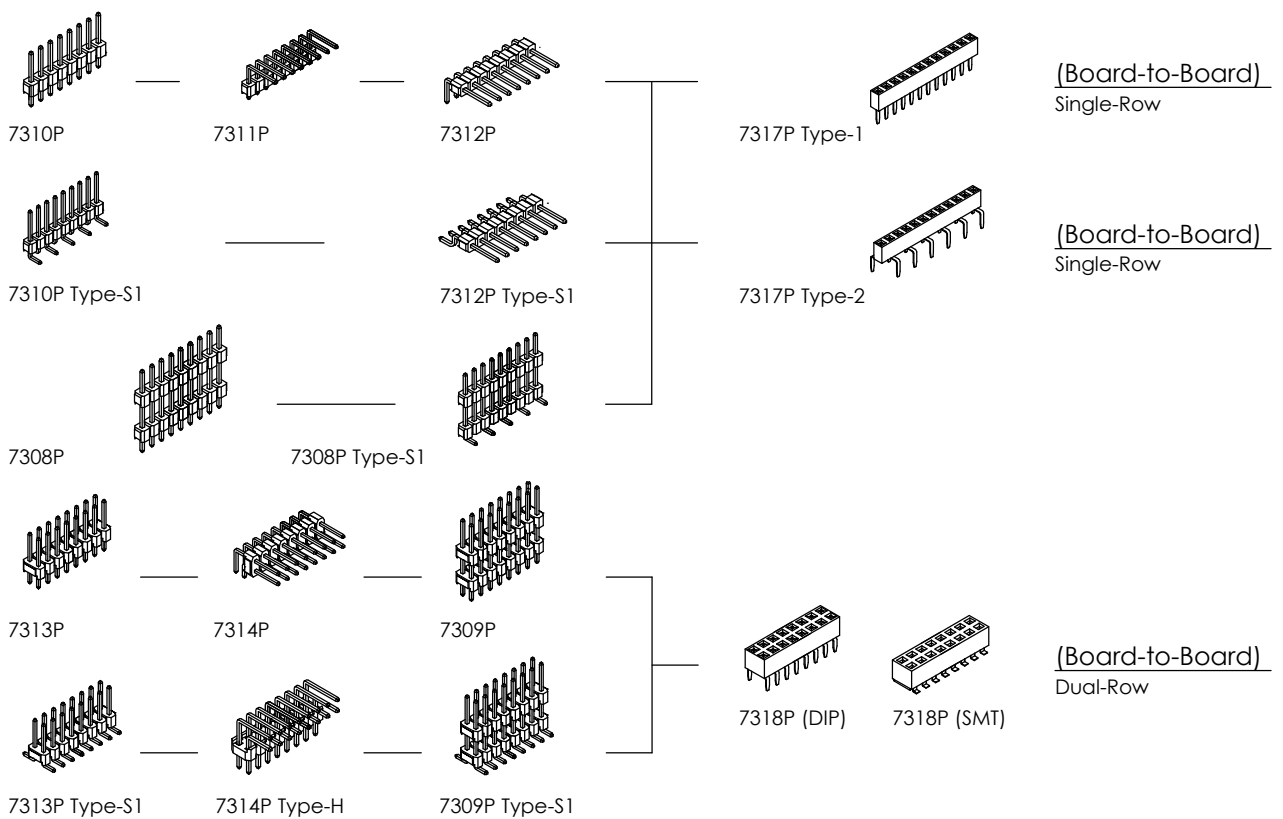
Wire-to-Board (Shrouded Header)



Wire-to-Board (2670 Series)



Wire-to-Board / Board-to-Board (Pin-Header)



2.54 Pitch 7302 SERIES CONNECTOR



2.54 mm Pitch Wire-to-Board Connector for Ribbon Cable



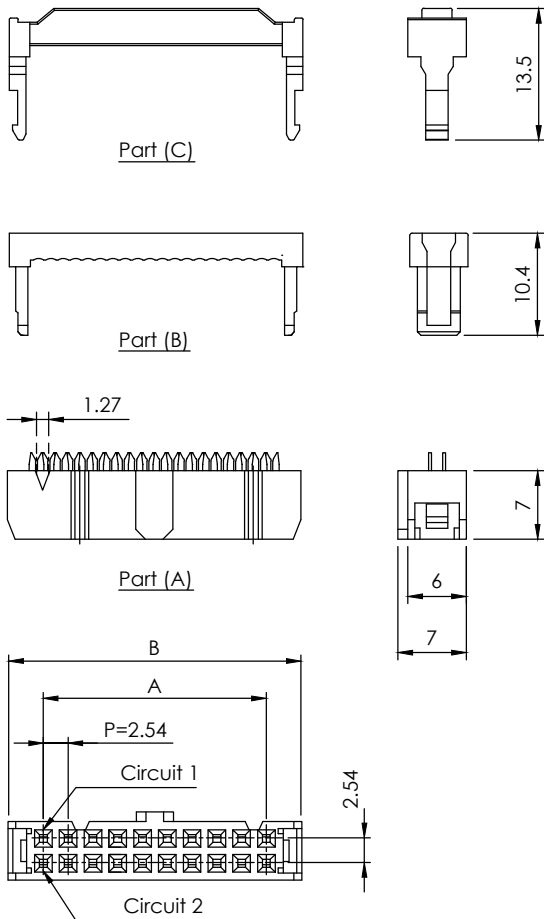
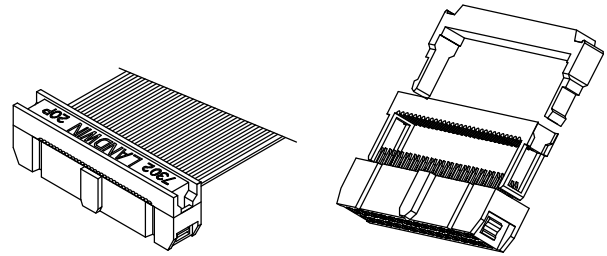
■ Specifications

- ◇ Current rating: 3A AC/DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 500V AC/Minute
- ◇ Contact Resistance: 20 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

■ Reference

- ◇ Mates with 7303P, 7304P series Shrouded Header
- ◇ Mates with 7305P, 7306P series Dual-Row Shrouded Header
- ◇ Use with UL2651 2.54 Pitch AWG28 Flat Cable
- ◇ Certifications: UL

7302P IDC Ribbon Cable Plug



Ordering Information

PIN Nos	Part No.		Dimension	
	Without S/R	With S/R	A	B
10	7302P10231	7302P10331	10.16	17.40
12	7302P12231	7302P12331	12.70	19.94
14	7302P14231	7302P14331	15.24	22.48
16	7302P16231	7302P16331	17.78	25.02
20	7302P20231	7302P20331	22.86	30.10
24	7302P24231	7302P24331	27.94	35.18
26	7302P26231	7302P26331	30.48	37.72
30	7302P30231	7302P30331	35.56	42.80
34	7302P34231	7302P34331	40.64	47.88
40	7302P40231	7302P40331	48.26	55.50
50	7302P50231	7302P50331	60.96	68.20
60	7302P60231	7302P60331	73.66	80.90
64	7302P64231	7302P64331	78.74	85.98

Material

Part	Material / Finish
Base	Glass-filled PBT 94V-0, Black
Contact	Phosphor Bronze, gold flash-plated

※ PART NUMBER ASSIGNMENT:

ex. 7302P XX 2 3 X (With Guide Rib, Without Strain Relief)

ex. 7302P XX 3 3 X (With Guide Rib, With Strain Relief S/R)

XX... Circuit Nos (PIN Numbers)

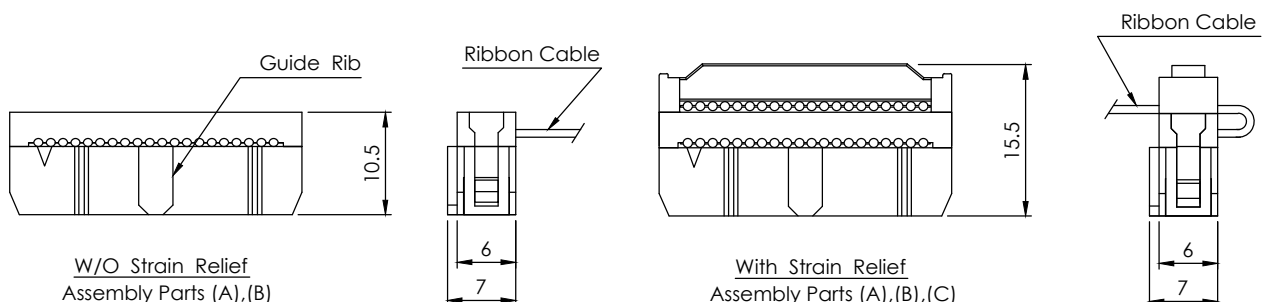
X... Plating Selection: 1... Gold flash, T... Tin, V... Matte Tin

※ Color Identification: the following alphabet shall be put

ex. 7302P 06 23 X - V

06... Circuit no. V...Lavender color

P.C. Board Layout / Assembly Layout



2.54 Pitch 7307 SERIES CONNECTOR



2.54 mm Pitch Wire-to-Board Connector for Ribbon Cable



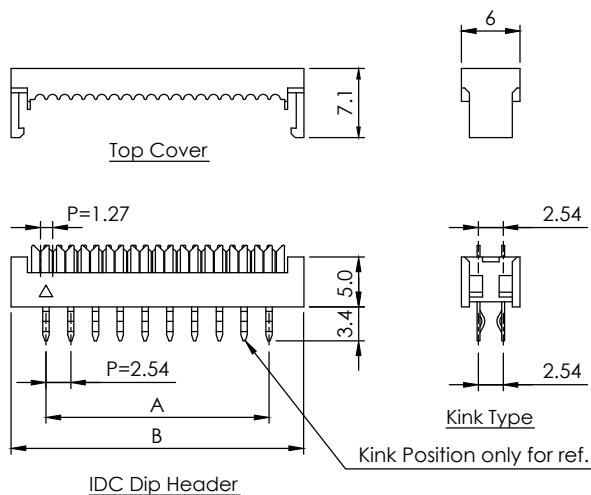
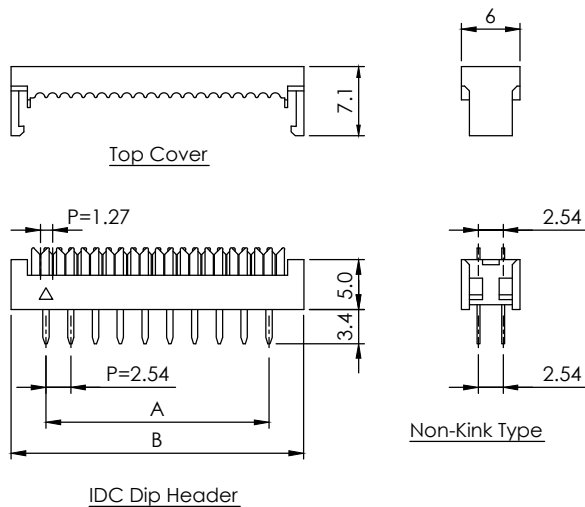
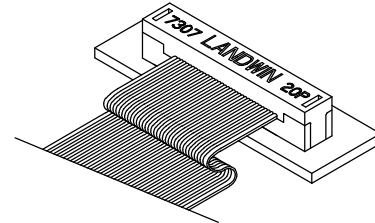
Specifications

- ◇ Current rating: 3A AC/DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 500V AC/Minute
- ◇ Contact Resistance: 20 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Use with UL2651 2.54 Pitch AWG28 Flat Cable

7307P Ribbon Cable Connector IDC Transition Connector



Ordering Information

PIN Nos	Part No.		Dimension	
	Without KINK	With KINK	A	B
10	7307P10031	7307P10031-BKXX	10.16	17.76
14	7307P14031	7307P14031-BKXX	15.24	22.84
16	7307P16031	7307P16031-BKXX	17.78	25.38
20	7307P20031	7307P20031-BKXX	22.86	30.46
24	7307P24031	7307P24031-BKXX	27.94	35.54
26	7307P26031	7307P26031-BKXX	30.48	38.08
30	7307P30031	7307P30031-BKXX	35.56	43.16
34	7307P34031	7307P34031-BKXX	40.64	48.24
40	7307P40031	7307P40031-BKXX	48.26	55.86
50	7307P50031	7307P50031-BKXX	60.96	68.56
60	7307P60031	7307P60031-BKXX	73.66	81.26
64	7307P64031	7307P64031-BKXX	78.74	86.34

Material

Part	Material / Finish
Base	Glass-filled PBT 94V-0, Black
Contact	Brass, gold flash-plated

※ PART NUMBER ASSIGNMENT:

ex. 7307P XX 03 X (Without KINK)

ex. 7307P XX 03 X - B K X*X* (With KINK)

XX... Circuit Nos (PIN Numbers)

X... Plating Selection: 1... Gold flash, T... Tin, V... Matte Tin

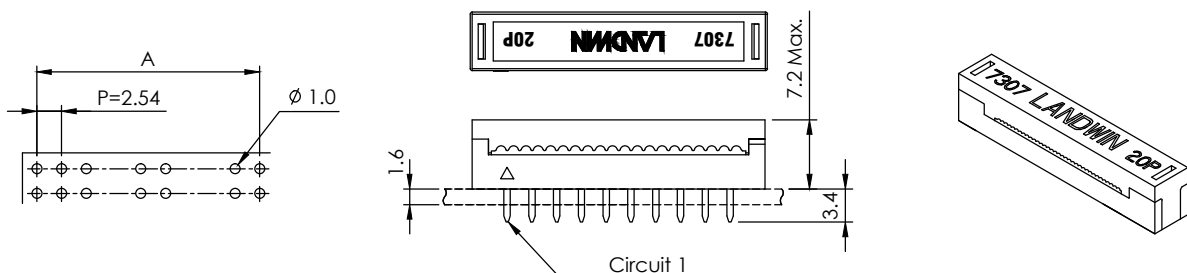
B...Black color, H...Gray, V...Lavender color

K... Kink Type

X*X*... Series No. of Kink Configuration on required pin position

※ Please contact sales for Special P/N of Kink Configuration.

P.C. Board Layout / Assembly Layout



2.54 Pitch 2580 SERIES CONNECTOR



2.54 mm Pitch Wire-to-Board Connector for Ribbon Cable

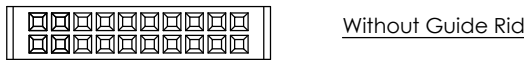


Specifications

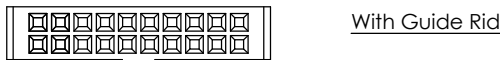
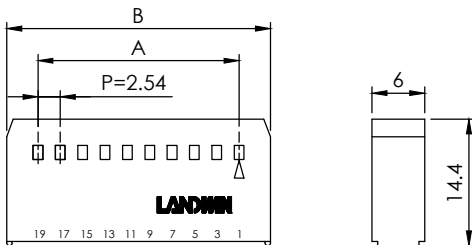
- ◇ Current rating: 3A AC/DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 500V AC/Minute
- ◇ Contact Resistance: 20 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

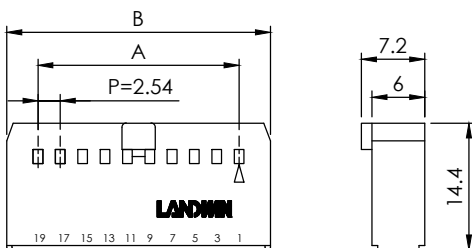
- ◇ Mates with 7303P, 7304P series Shrouded Header
- ◇ Mates with 7305P, 7306P series Dual-Row Shrouded Header
- ◇ Mates with 2570M Type-2 series Dual-Row Receptacle Plug Housing
- ◇ Use with 2583T1 series Crimp Terminal
- ◇ Certifications: UL
- ◇ GWT 850° C rated product is available
- ◇ Applicable wire gauge: AWG 24 - 28



Without Guide Rid

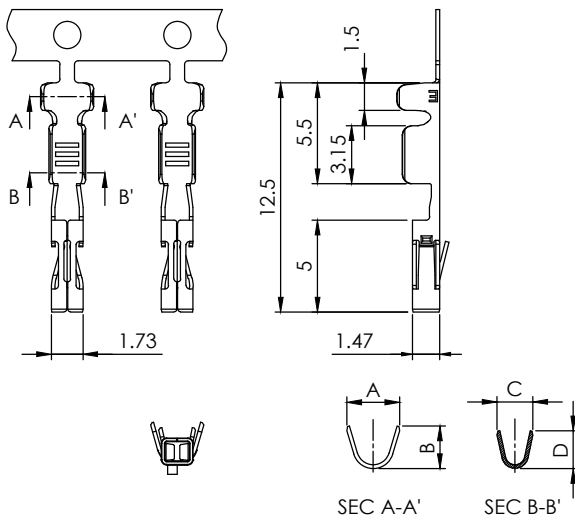


With Guide Rid

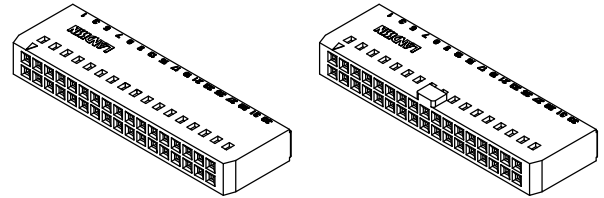


Reference

- ◇ Use with 2580S Type-P series Plug Housing



2580S Plug Housing (Type P) 2580S Plug Housing (Type N)



Ordering Information

PIN Nos	Part No.		Dimension	
	W/Guid rib	W/O guide rib	A	B
10	2580S10P3	2580S10N3	10.16	17.27
14	2580S14P3	2580S14N3	15.24	22.35
16	2580S16P3	2580S16N3	17.78	24.89
20	2580S20P3	2580S20N3	22.86	29.97
24	2580S24P3	2580S24N3	27.94	35.05
30	2580S30P3	2580S30N3	35.56	42.67
34	2580S34P3	2580S34N3	40.64	47.75
40	2580S40P3	2580S40N3	48.26	55.37
44	2580S44P3	2580S44N3	53.34	60.45
50	2580S50P3	2580S50N3	60.96	68.07
60	2580S60P3	2580S60N3	73.66	80.77
64	2580S64P3	2580S64N3	78.74	85.85

※ Material: Base... Glass-filled PBT 94V-0, Black color

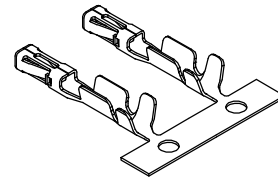
※ Color Identification: the following alphabet shall be put

ex. 2580S 14 P3 - V

ex. 2580S 14 N3 - V

14... Circuit no. V...Lavender color

2583T1 Crimp Terminal



Ordering Information

Part No.	Applicable Wire		
	AWG #	Insulation O.D. mm	Q'ty / Reel
2583T1111	24 - 28	1.6 Max.	15,000
2583T1211	18 - 22	1.8 Max.	15,000

Part No.	A	B	C	D
2583T1111	2.4	2.0	2.0	1.7
2583T1211	2.9	2.3	2.1	2.1

2.54 Pitch 7305, 7306 SERIES CONNECTOR



2.54 mm Pitch Wire-to-Board Connector



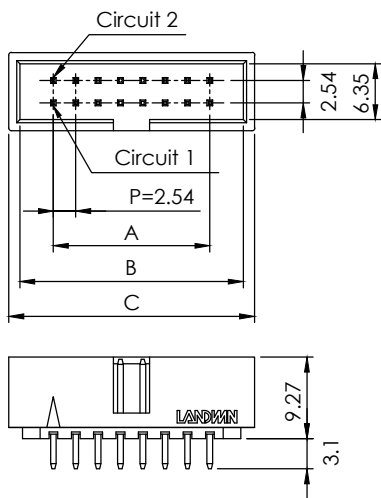
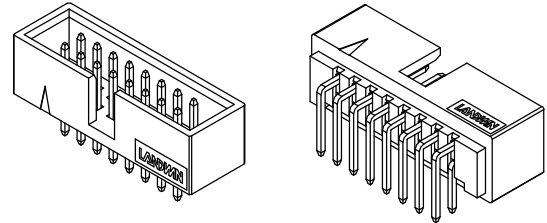
Specifications

- ◇ Current rating: 3A AC/DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 500V AC/Minute
- ◇ Contact Resistance: 20 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

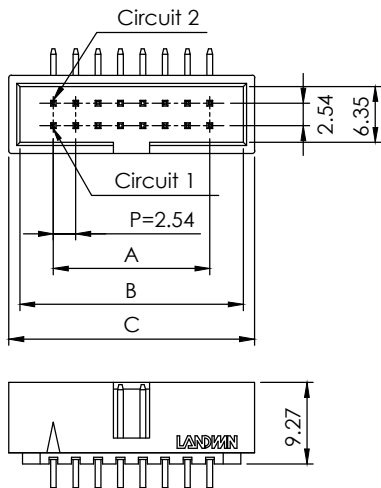
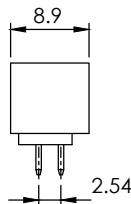
Reference

- ◇ Mates with 7302P series IDC Ribbon Cable Plug
- ◇ Mates with 2580S Type-P series Plug Housing
- ◇ Certifications: UL
- ◇ GWT 850° C rated product is available

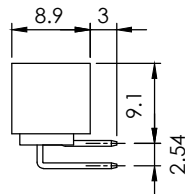
7305P, 7306P Shrouded Header DIP Type



Straight-Type
0.64 Square pin



Right Angle-Type
0.64 Square pin



Ordering Information

PIN Nos	Part No.		Dimension		
	Straight	Right-Angle	A	B	C
6	7305P06031	7306P06031	5.08	12.70	15.24
8	7305P08031	7306P08031	7.62	15.24	17.78
10	7305P10031	7306P10031	10.16	17.78	20.32
12	7305P12031	7306P12031	12.70	20.32	22.86
14	7305P14031	7306P14031	15.24	22.86	25.40
16	7305P16031	7306P16031	17.78	25.40	27.94
20	7305P20031	7306P20031	22.86	30.48	33.02
24	7305P24031	7306P24031	27.94	35.56	38.10
26	7305P26031	7306P26031	30.48	38.10	40.64
30	7305P30031	7306P30031	35.56	43.18	45.72
34	7305P34031	7306P34031	40.64	48.26	50.80
40	7305P40031	7306P40031	48.26	55.88	58.42
44	7305P44031	7306P44031	53.34	60.96	63.50
50	7305P50031	7306P50031	60.96	68.58	71.12
60	7305P60031	7306P60031	73.66	81.28	83.82
64	7305P64031	7306P64031	78.74	86.36	88.90

※ Material: Base... Glass-filled PBT 94V-0(black color), Pin... Brass

※ PART NUMBER ASSIGNMENT:

ex. 7305P XX 03 X (DIP Type)

ex. 7306P XX 03 X (DIP Type)

XX... Circuit Nos (PIN Numbers)

X... Plating Selection: 1... Gold flash, T... Tin

※ Color Identification: the following alphabet shall be put

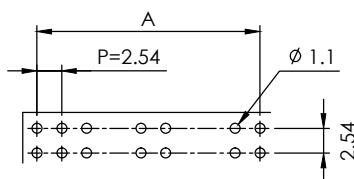
ex. 7305P 06 03 X - V

ex. 7306P 04 03 X - H

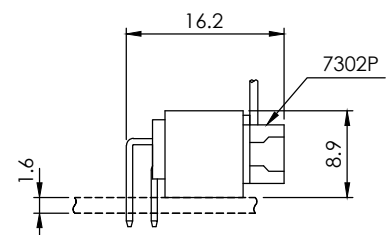
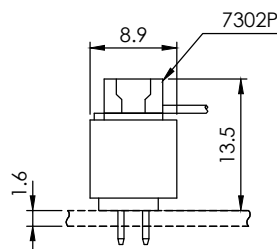
06... Circuit no. H...Gray, V...Lavender color,

P.C. Board Layout / Assembly Layout

Straight Type



Right-angle Type



2.54 Pitch 7305 SERIES CONNECTOR



2.54 mm Pitch Wire-to-Board Connector



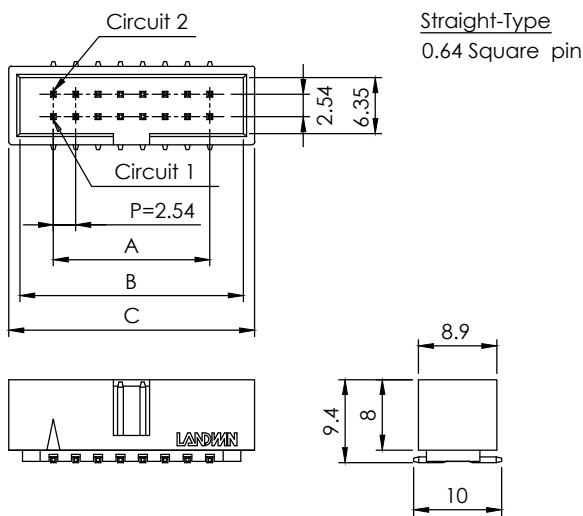
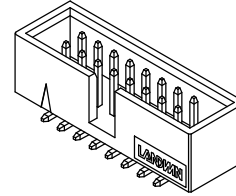
Specifications

- ◇ Current rating: 3A AC/DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 500V AC/Minute
- ◇ Contact Resistance: 20 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Mates with 7302P series IDC Ribbon Cable Plug
- ◇ Mates with 2580S Type-P series Plug Housing
- ◇ Certifications: Refer to 7305 series
- ◇ GWT 850° C rated product is available

7305P Shrouded Header, SMT Type



Ordering Information

PIN Nos	Part No.	Dimension		
		A	B	C
6	7305P06S91	5.08	12.70	15.24
8	7305P08S91	7.62	15.24	17.78
10	7305P10S91	10.16	17.78	20.32
12	7305P12S91	12.70	20.32	22.86
14	7305P14S91	15.24	22.86	25.40
16	7305P16S91	17.78	25.40	27.94
20	7305P20S91	22.86	30.48	33.02
24	7305P24S91	27.94	35.56	38.10
26	7305P26S91	30.48	38.10	40.64
30	7305P30S91	35.56	43.18	45.72
34	7305P34S91	40.64	48.26	50.80
40	7305P40S91	48.26	55.88	58.42
44	7305P44S91	53.34	60.96	63.50
50	7305P50S91	60.96	68.58	71.12
60	7305P60S91	73.66	81.28	83.82
64	7305P64S91	78.74	86.36	88.90

Material

Part	Material / Finish
Base	HIGH HDT Nylon-GF 94V-0, Black color
Contact	Brass, Gold flash-plated

※ PART NUMBER ASSIGNMENT:

ex. 7305P XX S9 X (SMT Type)

XX... Circuit Nos (PIN Numbers)

X... Plating Selection: 1... Gold, V... Matte Tin

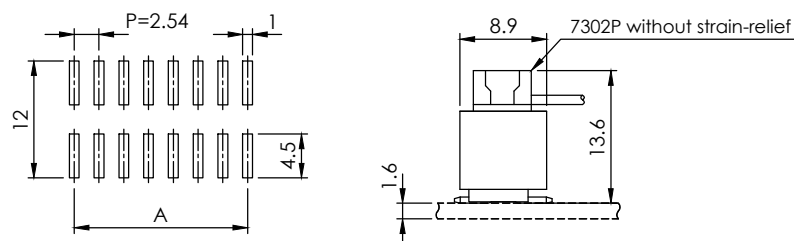
※ Color Identification: the following alphabet shall be put

ex. 7305P 06 S9 X - V

06... Circuit no. V...Lavender color

P.C. Board Layout / Assembly Layout

Straight Type



2.54 Pitch 7305, 7306 SERIES CONNECTOR



2.54 mm Pitch Wire-to-Board Connector



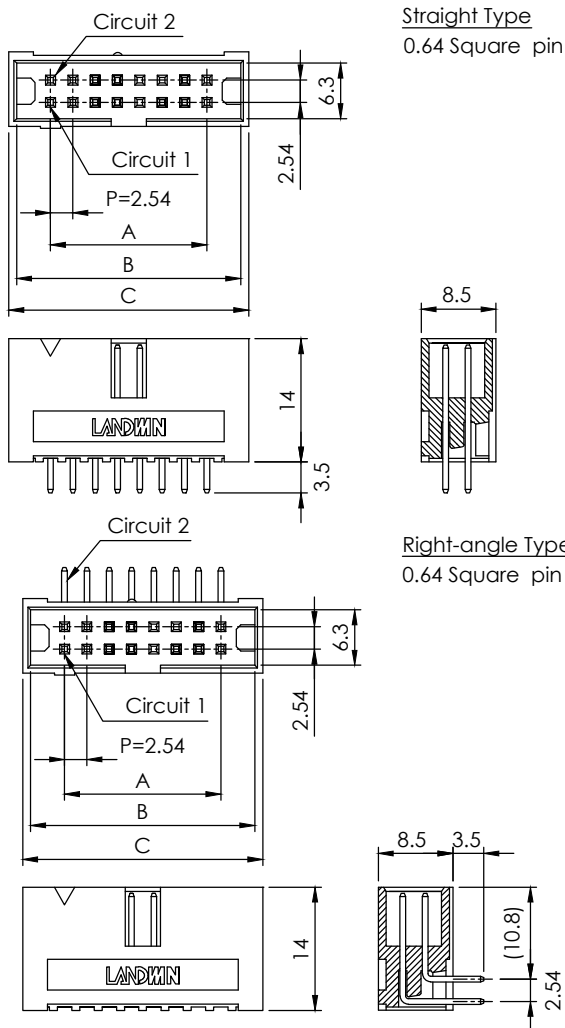
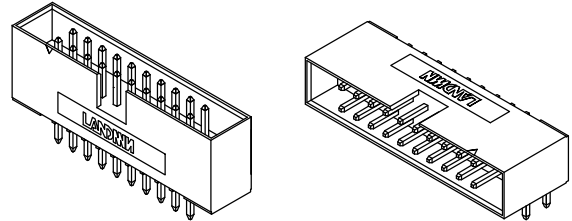
Specifications

- ◇ Current rating: 3A AC/DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 500V AC/Minute
- ◇ Contact Resistance: 20 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Mates with 7302P series IDC Ribbon Cable Plug
- ◇ Mates with 2580S Type-P series Plug Housing
- ◇ Certifications: Refer to 7305, 7306 series
- ◇ GWT 850° C rated product is available

7305P, 7306P Shrouded Header High-Profile (Type A)



Ordering Information

PIN Nos	Part No.		Dimension		
	Straight	Right-Angle	A	B	C
10	7305P10A31	7306P10A31	10.16	17.76	19.66
14	7305P14A31	7306P14A31	15.24	22.84	24.74
16	7305P16A31	7306P16A31	17.78	25.38	27.28
20	7305P20A31	7306P20A31	22.86	30.46	32.36
26	7305P26A31	7306P26A31	30.48	38.08	39.98
30	7305P30A31	7306P30A31	35.56	43.16	45.06
34	7305P34A31	7306P34A31	40.64	48.24	50.14
40	7305P40A31	7306P40A31	48.26	55.86	57.76
50	7305P50A31	7306P50A31	60.96	68.56	70.46
60	7305P60A31	7306P60A31	73.66	81.26	83.16
64	7305P64A31	7306P64A31	78.74	86.34	88.24

Material

Part	Material / Finish
Base	Glass-filled PBT 94V-0, Black
Contact	Brass

※ PART NUMBER ASSIGNMENT:

ex. 7305P XX A3 X (DIP Type)

ex. 7306P XX A3 X (DIP Type)

XX... Circuit Nos (PIN Numbers)

X... Plating Selection: 1... Gold flash, T... Tin

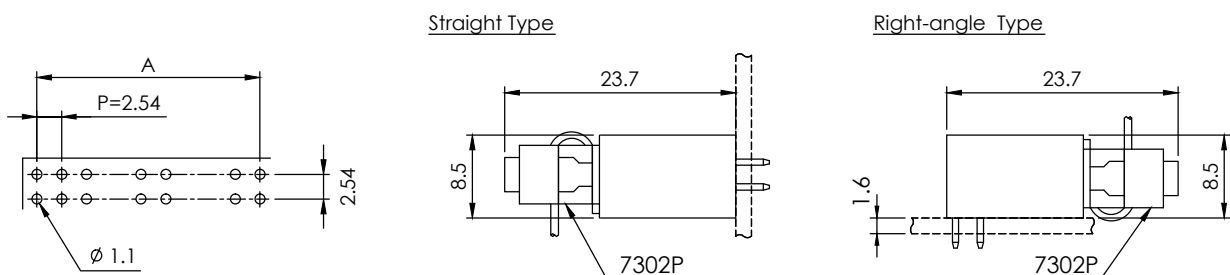
※ Color Identification: the following alphabet shall be put

ex. 7305P 14 A3 X - V

ex. 7306P 14 A3 X - H

14... Circuit no. H... Gray, V...Lavender color

P.C. Board Layout / Assembly Layout



2.54 Pitch 2670 SERIES CONNECTOR



2.54 mm Pitch Wire-to-Board Connector for Ribbon Cable



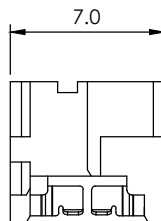
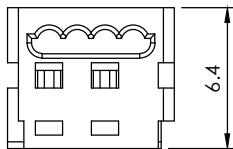
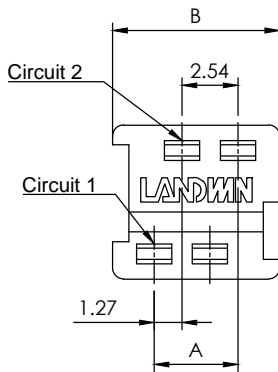
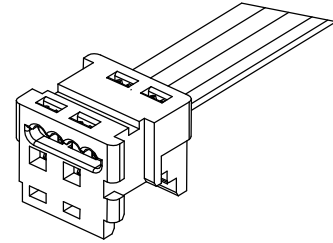
2670R IDC Ribbon Cable Plug (Type A)

Specifications

- ◇ Current rating: 1.2A AC/DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 750V AC/Minute
- ◇ Contact Resistance: 15 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Mates with 2670P series Header
- ◇ Use with UL2651 2.54 Pitch AWG28 Flat Cable
- ◇ Certifications: Refer to 2670 series



Ordering Information

PIN Nos	Part No.	Dimension	
		A	B
4	2670R04A3R	3.81	7.59
6	2670R06A3R	6.35	10.13
8	2670R08A3R	8.89	12.67
10	2670R10A3R	11.43	15.21
16	2670R16A3R	19.05	22.83

Material

Part	Material / Finish
Base	Glass-filled PBT 94V-0, Black
Contact	Phosphor Bronze, Tin-Plated

※ PART NUMBER ASSIGNMENT:

ex. 2670R XX A3 X

XX... Circuit Nos (PIN Numbers)

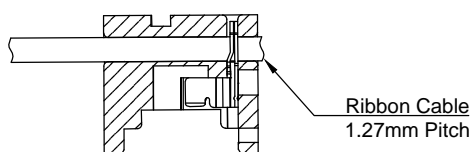
X... Plating Selection: 1... Gold flash, R... Tin, V... Matte Tin

※ Color Identification: the following alphabet shall be put

ex. 2670R 06 A3 X - H

06... Circuit no. H...Gray

P.C. Board Layout / Assembly Layout



2.54 Pitch 2670 SERIES CONNECTOR



2.54 mm Pitch Wire-to-Board Connector for Ribbon Cable



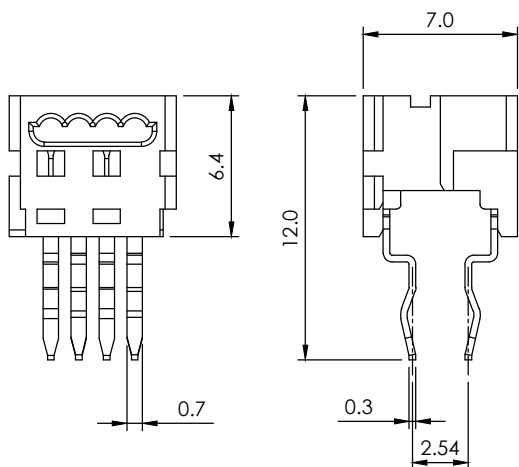
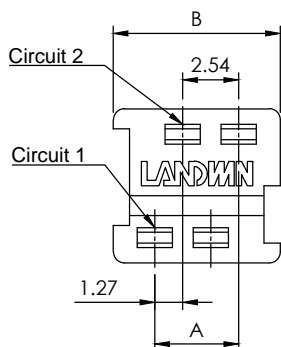
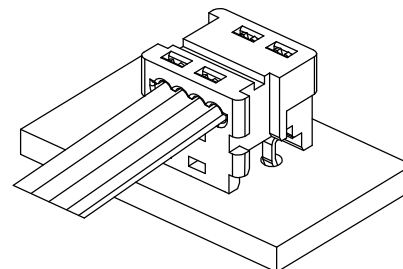
Specifications

- ◇ Current rating: 1.2A AC/DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 750V AC/Minute
- ◇ Contact Resistance: 15 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Use with UL2651 2.54 Pitch AWG28 Flat Cable
- ◇ Certifications: Refer to 2670 series

2670R Ribbon Cable Connector IDC Transition Connector (Type B)



Ordering Information

PIN Nos	Part No.	Dimension	
		A	B
4	2670R04B3R	3.81	7.59
6	2670R06B3R	6.35	10.13
8	2670R08B3R	8.89	12.67
10	2670R10B3R	11.43	15.21
16	2670R16B3R	19.05	22.83

Material

Part	Material / Finish
Base	Glass-filled PBT 94V-0, Black
Contact	Phosphor Bronze, Tin-Plated

※ PART NUMBER ASSIGNMENT:

ex. 2670R XX B 3 X

XX... Circuit Nos (PIN Numbers)

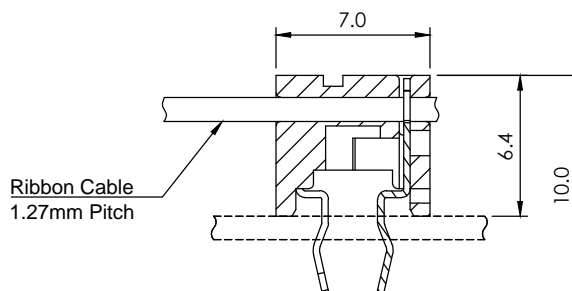
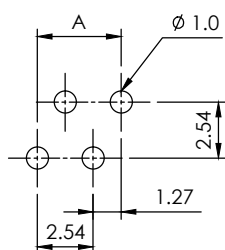
X... Plating Selection: 1... Gold flash, R... Tin, V... Matte Tin

※ Color Identification: the following alphabet shall be put

ex. 2670R 06 B3 X - H

06... Circuit no. H...Gray

P.C. Board Layout / Assembly Layout



2.54 Pitch 2670 SERIES CONNECTOR



2.54 mm Pitch Wire-to-Board Connector



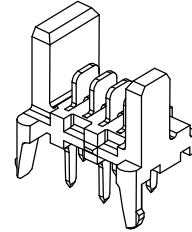
2670P Header, DIP Type

Specifications

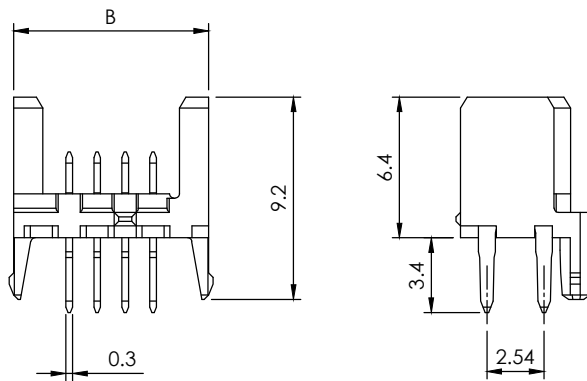
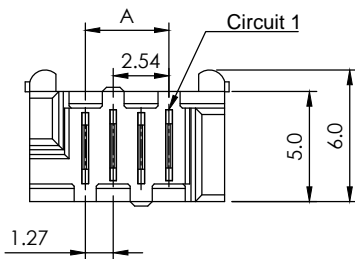
- ◇ Current rating: 1.2A AC/DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 750V AC/Minute
- ◇ Contact Resistance: 15 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Mates with 2670R series IDC Ribbon Cable Plug
- ◇ Certifications: Refer to 2670 series
- ◇ GWT 850° C rated product is available



Straight-Type



Ordering Information

PIN Nos	Part No.	Dimension		
		A	B	C
4	2670P0401T	3.81	8.86	7.41
6	2670P0601T	6.35	11.40	9.95
8	2670P0801T	8.89	13.94	12.49
10	2670P1001T	11.43	16.48	15.03
16	2670P1601T	19.05	24.10	22.65

Material

Part	Material / Finish
Base	Glass-filled Nylon 66 94V-0, Light ivory color
Contact	Brass, Tin-plated

※ PART NUMBER ASSIGNMENT:

ex. 2670P XX 01 X (DIP Type)

XX... Circuit Nos (PIN Numbers)

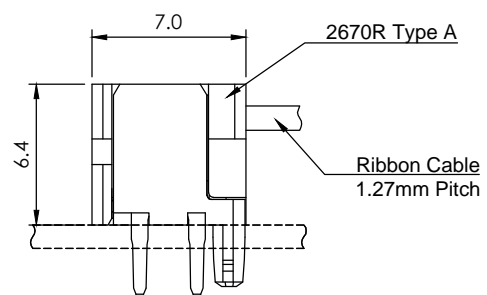
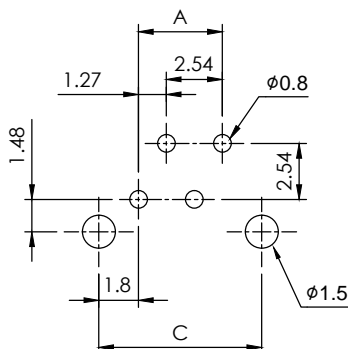
X... Plating Selection: 1... Gold, T... Tin

※ Color Identification: the following alphabet shall be put

ex. 2670P 06 01 X - H

06... Circuit no. H...Gray

P.C. Board Layout / Assembly Layout



2.54 Pitch 2670 SERIES CONNECTOR



2.54 mm Pitch Wire-to-Board Connector



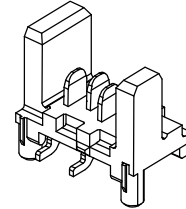
Specifications

- ◇ Current rating: 1.2A AC/DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 750V AC/Minute
- ◇ Contact Resistance: 15 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

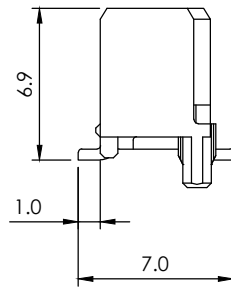
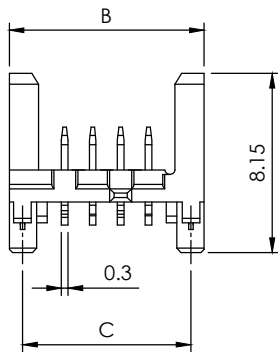
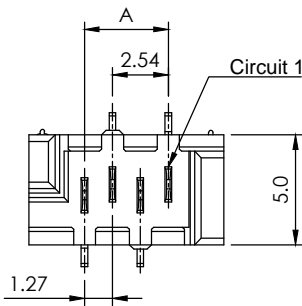
Reference

- ◇ Mates with 2670R series IDC Ribbon Cable Plug
- ◇ Certifications: Refer to 2670 series
- ◇ GWT 850° C rated product is available

2670P Header, SMT Type



Straight-Type



Ordering Information

PIN Nos	Part No.	Dimension		
		A	B	C
4	2670P04S9V	3.81	8.86	7.66
6	2670P06S9V	6.35	11.40	10.20
8	2670P08S9V	8.89	13.94	12.74
10	2670P10S9V	11.43	16.48	15.28
16	2670P16S9V	19.05	24.10	22.90

Material

Part	Material / Finish
Base	HIGH HDT Nylon-GF 94V-0, Black color
Contact	Brass, Matte Tin-plated

※ PART NUMBER ASSIGNMENT:

ex. 2670P XX S9 X (SMT Type)

XX... Circuit Nos (PIN Numbers)

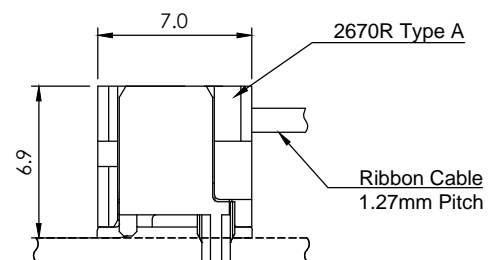
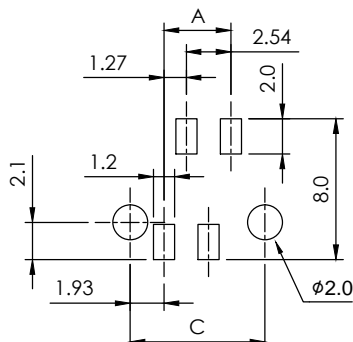
X... Plating Selection: 1... Gold, V... Matte Tin

※ Color Identification: the following alphabet shall be put

ex. 2670P 06 S9 X - H

06... Circuit no. H...Gray

P.C. Board Layout / Assembly Layout



2.54 Pitch 7308 SERIES CONNECTOR



2.54 mm Pitch Wire-to-Board, Board-to-Board Pin-Header



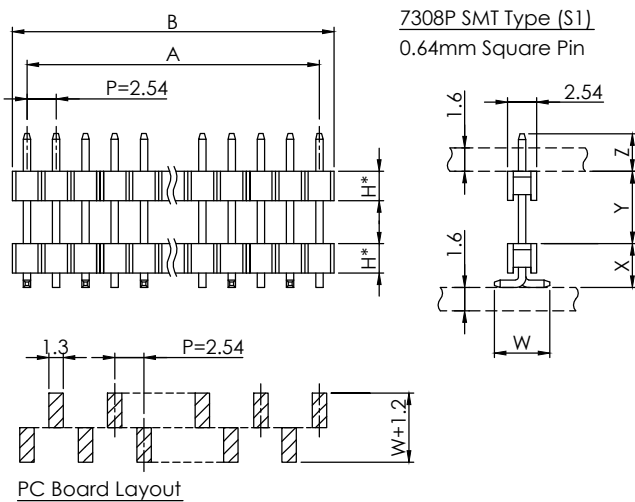
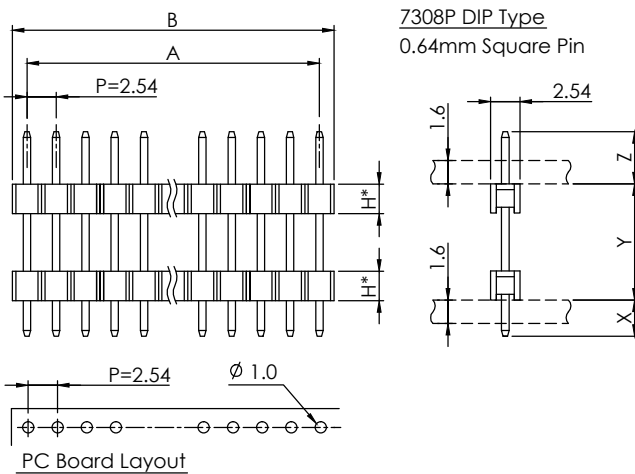
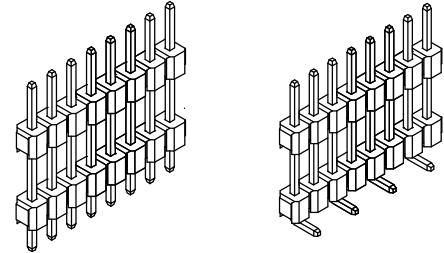
Specifications

- ◇ Current rating: 3A AC/DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 500V AC/Minute
- ◇ Contact Resistance: 20 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Mates with 7317P Single-Row Receptacle Header
- ◇ Certifications: UL
- ◇ GWT 850° C rated product is available

7308P PIN Header / Straight type
Single-row / 2-layer of insulation



Ordering Information

PIN Nos	Dimension		PIN Nos	Dimension		PIN Nos	Dimension	
	A	B		A	B		A	B
2	2.54	5.08	15	35.56	38.10	28	68.58	71.12
3	5.08	7.62	16	38.10	40.64	29	71.12	73.66
4	7.62	10.16	17	40.64	43.18	30	73.66	76.20
5	10.16	12.70	18	43.18	45.72	31	76.20	78.74
6	12.70	15.24	19	45.72	48.26	32	78.74	81.28
7	15.24	17.78	20	48.26	50.80	33	81.28	83.82
8	17.78	20.32	21	50.80	53.34	34	83.82	86.36
9	20.32	22.86	22	53.34	55.88	35	86.36	88.90
10	22.86	25.40	23	55.88	58.42	36	88.90	91.44
11	25.40	27.94	24	58.42	60.96	37	91.44	93.98
12	27.94	30.48	25	60.96	63.50	38	93.98	96.52
13	30.48	33.02	26	63.50	66.04	39	96.52	99.06
14	33.02	35.56	27	66.04	68.58	40	99.06	101.6

※ PART NUMBER ASSIGNMENT:

ex. 7308P XX XXX X (DIP Type)

XX : Circuit Nos (PIN Numbers)

XXX : Type No. of defined X, Y, Z Dimension, Max. 3-digit

X : Plating Selection, 1... Gold flash, V... Matte tin

Material : PIN... Brass

BASE... Glass-filled PBT 94V-0, black

※ PART NUMBER ASSIGNMENT:

ex. 7308P XX S1 YY X (SMT Type)

YY : Type No. of defined X, Y, Z Dimension, Max. 2-digit

Material : PIN... Brass

BASE... HIGH HDT Nylon-GF 94V-0, black

※ Please contact sales for P/N of required dimension.

Dimension (7308P / DIP)

Type No.	Part No.	Dimension			
		X	Y	Z	H*
01	7308PXX01X	3.1	29.5	5.5	2.5
02	7308PXX02X	3.0	21.6	6.0	2.5
03	7308PXX03X	4.0	12.0	4.0	2.5
04	7308PXX04X	2.0	8.0	5.5	2.5
05	7308PXX05X	3.1	7.0	4.1	2.5

NOTE: Not all type listed, please contact for applicable P/N.

Dimension (7308P / SMT)

Type No.	Part No.	Dimension				
		X	Y	Z	W	H*
S101	7308PXXS101X	3.3	8.7	9.0	7.6	2.5
S102	7308PXXS102X	2.86	10.0	1.0	5.3	2.5

NOTE: Not all type listed, please contact for applicable P/N.

2.54 Pitch 7309 SERIES CONNECTOR



2.54 mm Pitch Wire-to-Board, Board-to-Board Pin-Header



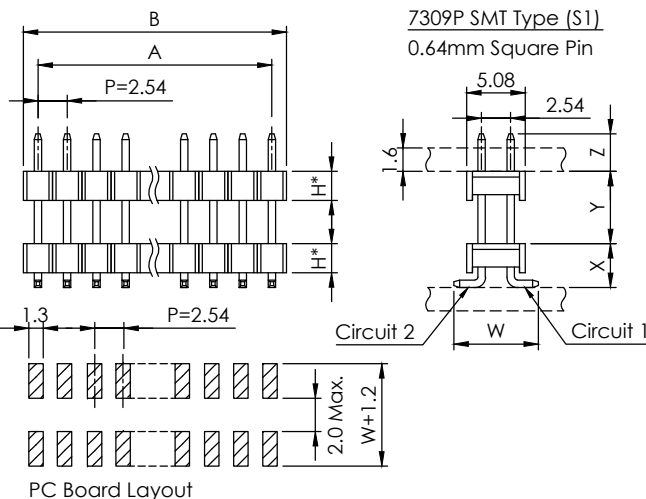
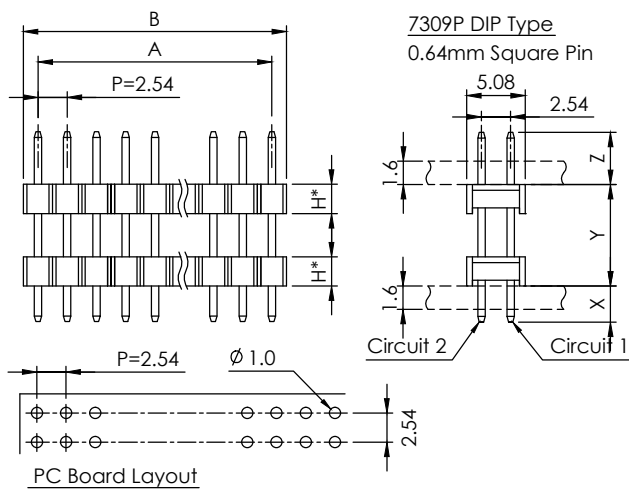
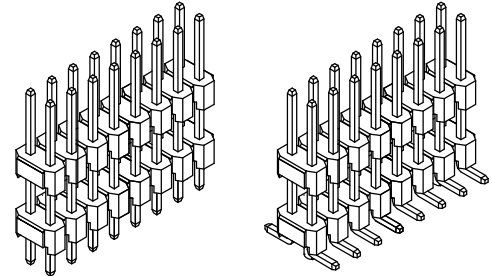
Specifications

- ◇ Current rating: 3A AC/DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 500V AC/Minute
- ◇ Contact Resistance: 20 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Mates with 7318P Dual-Row Receptacle Header
- ◇ Certifications: UL
- ◇ GWT 850° C rated product is available

7309P PIN Header / Straight type
Dual-row / 2-layer of insulation



Ordering Information

PIN Nos	Dimension		PIN Nos	Dimension		PIN Nos	Dimension	
	A	B		A	B		A	B
4	2.54	5.08	30	35.56	38.10	56	68.58	71.12
6	5.08	7.62	32	38.10	40.64	58	71.12	73.66
8	7.62	10.16	34	40.64	43.18	60	73.66	76.20
10	10.16	12.70	36	43.18	45.72	62	76.20	78.74
12	12.70	15.24	38	45.72	48.26	64	78.74	81.28
14	15.24	17.78	40	48.26	50.80	66	81.28	83.82
16	17.78	20.32	42	50.80	53.34	68	83.82	86.36
18	20.32	22.86	44	53.34	55.88	70	86.36	88.90
20	22.86	25.40	46	55.88	58.42	72	88.90	91.44
22	25.40	27.94	48	58.42	60.96	74	91.44	93.98
24	27.94	30.48	50	60.96	63.50	76	93.98	96.52
26	30.48	33.02	52	63.50	66.04	78	96.52	99.06
28	33.02	35.56	54	66.04	68.58	80	99.06	101.6

※ PART NUMBER ASSIGNMENT:

ex. 7309P XX XXX X (DIP Type)

XX : Circuit Nos (PIN Numbers)

XXX : Type No. of defined X, Y, Z Dimension, Max. 3-digit

X : Plating Selection, 1... Gold flash, V... Matte tin

Material : PIN... Brass

BASE... Glass-filled PBT 94V-0, black

※ PART NUMBER ASSIGNMENT:

ex. 7309P XX S1 YY X (SMT Type)

YY : Type No. of defined X, Y, Z Dimension, Max. 2-digit

Material : PIN... Brass

BASE... HIGH HDT Nylon-GF 94V-0, black

※ Please contact sales for P/N of required dimension.

Dimension (7309P / DIP)

Type No.	Part No.	Dimension			
		X	Y	Z	H*
01	7309PXX01X	3.0	10.0	5.0	2.5
02	7309PXX02X	3.0	6.5	5.5	2.5
03	7309PXX03X	3.0	11.0	6.0	2.5
04	7309PXX04X	3.0	16.0	5.0	2.5
05	7309PXX05X	3.0	12.8	3.0	2.5

NOTE: Not all type listed, please contact for applicable P/N.

Dimension (7309P / SMT)

Type No.	Part No.	Dimension				
		X	Y	Z	W	H*
S103	7309PXXS103X	10.0	15.0	5.0	7.3	2.5

NOTE: Not all type listed, please contact for applicable P/N.

2.54 Pitch 7310 SERIES CONNECTOR



2.54 mm Pitch Wire-to-Board, Board-to-Board Pin-Header



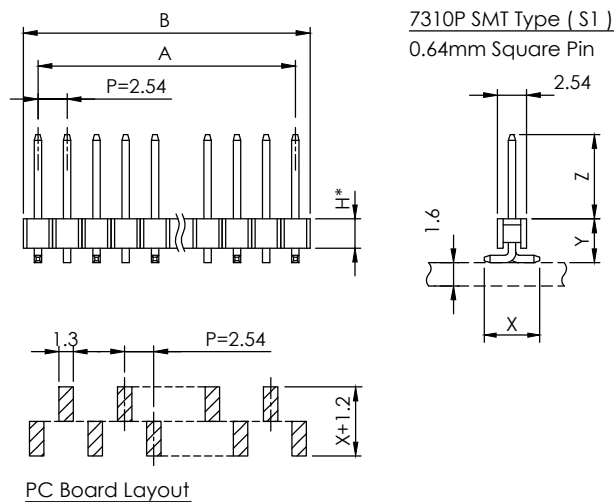
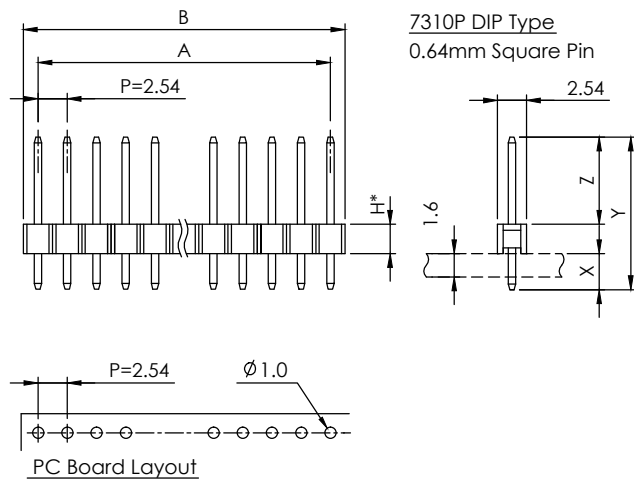
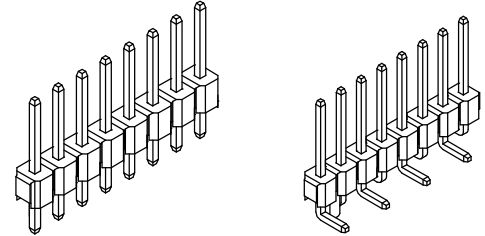
Specifications

- ◇ Current rating: 3A AC/DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 500V AC/Minute
- ◇ Contact Resistance: 20 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Mates with 7317P Single-Row Receptacle Header
- ◇ Certifications: UL
- ◇ GWT 850° C rated product is available

7310P PIN Header / Straight type
Single-row / 1-layer of insulation



Ordering Information

PIN Nos	Dimension		PIN Nos	Dimension		PIN Nos	Dimension	
	A	B		A	B		A	B
2	2.54	5.08	15	35.56	38.10	28	68.58	71.12
3	5.08	7.62	16	38.10	40.64	29	71.12	73.66
4	7.62	10.16	17	40.64	43.18	30	73.66	76.20
5	10.16	12.70	18	43.18	45.72	31	76.20	78.74
6	12.70	15.24	19	45.72	48.26	32	78.74	81.28
7	15.24	17.78	20	48.26	50.80	33	81.28	83.82
8	17.78	20.32	21	50.80	53.34	34	83.82	86.36
9	20.32	22.86	22	53.34	55.88	35	86.36	88.90
10	22.86	25.40	23	55.88	58.42	36	88.90	91.44
11	25.40	27.94	24	58.42	60.96	37	91.44	93.98
12	27.94	30.48	25	60.96	63.50	38	93.98	96.52
13	30.48	33.02	26	63.50	66.04	39	96.52	99.06
14	33.02	35.56	27	66.04	68.58	40	99.06	101.6

※ PART NUMBER ASSIGNMENT:

ex. 7310P XX XXX X (DIP Type)

XX : Circuit Nos (PIN Numbers)

XXX : Type No. of defined X, Y, Z Dimension, Max. 3-digit

X : Plating Selection, 1... Gold flash, V... Matte tin

Material : PIN... Brass

BASE... Glass-filled PBT 94V-0, black

※ PART NUMBER ASSIGNMENT:

ex. 7310P XX S1 YY X (SMT Type)

YY : Type No. of defined X, Y, Z Dimension, Max. 2-digit

Material : PIN... Brass

BASE... HIGH HDT Nylon-GF 94V-0, black

※ Please contact sales for P/N of required dimension.

Dimension (7310P / DIP)

Type No.	Part No.	Dimension			
		X	Y	Z	H*
01	7310PXX01X	3.1	11.6	6.0	2.5
02	7310PXX02X	3.1	17.5	11.9	2.5
03	7310PXX03X	3.0	21.5	16.0	2.5
04	7310PXX04X	1.4	7.5	3.6	2.5
05	7310PXX05X	2.5	7.5	2.5	2.5

NOTE: Not all type listed, please contact for applicable P/N.

Ex. Ordering Information (7310P / SMT)

Type No.	Part No.	Dimension			
		X	Y	Z	H*
S101	7310PXXS101X	4.8	3.8	6.0	2.5

NOTE: Not all type listed, please contact for applicable P/N.

2.54 Pitch 7310 SERIES CONNECTOR



2.54 mm Pitch Wire-to-Board, Board-to-Board Pin-Header



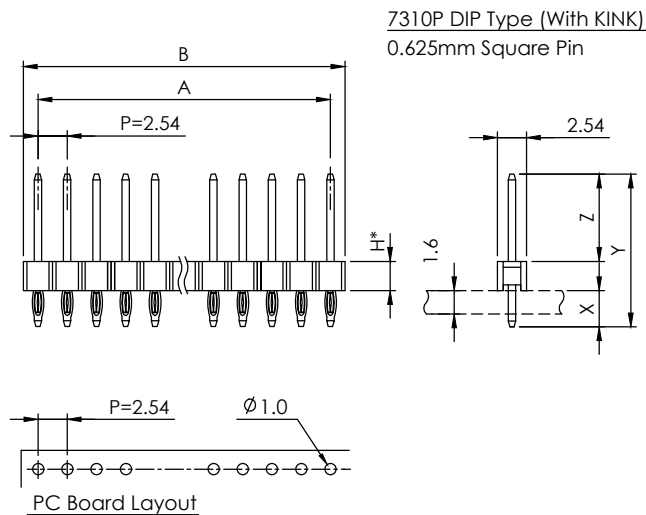
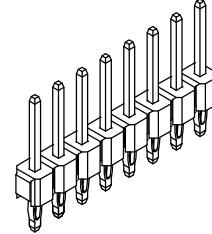
Specifications

- ◇ Current rating: 3A AC/DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 500V AC/Minute
- ◇ Contact Resistance: 20 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Mates with 7317P Single-Row Receptacle Header
- ◇ Certifications: UL
- ◇ GWT 850° C rated product is available

7310P PIN Header / Straight type
Single-row / 1-layer of insulation



Ordering Information

PIN Nos	Dimension		PIN Nos	Dimension		PIN Nos	Dimension	
	A	B		A	B		A	B
2	2.54	5.08	15	35.56	38.10	28	68.58	71.12
3	5.08	7.62	16	38.10	40.64	29	71.12	73.66
4	7.62	10.16	17	40.64	43.18	30	73.66	76.20
5	10.16	12.70	18	43.18	45.72	31	76.20	78.74
6	12.70	15.24	19	45.72	48.26	32	78.74	81.28
7	15.24	17.78	20	48.26	50.80	33	81.28	83.82
8	17.78	20.32	21	50.80	53.34	34	83.82	86.36
9	20.32	22.86	22	53.34	55.88	35	86.36	88.90
10	22.86	25.40	23	55.88	58.42	36	88.90	91.44
11	25.40	27.94	24	58.42	60.96	37	91.44	93.98
12	27.94	30.48	25	60.96	63.50	38	93.98	96.52
13	30.48	33.02	26	63.50	66.04	39	96.52	99.06
14	33.02	35.56	27	66.04	68.58	40	99.06	101.6

※ PART NUMBER ASSIGNMENT:

ex. 7310P XX XXX X - 5 K

XX : Circuit Nos (PIN Numbers)

XXX : Type No. of defined X, Y, Z Dimension, Max. 3-digit

X : Plating Selection, 1... Gold flash, V... Matte tin

K : With KINK

Material : PIN... Brass

BASE... HIGH HDT Nylon-GF 94V-0, Black

※ Please contact sales for P/N of required dimension.

Dimension (7310P / DIP)

Type No.	Part No.	Dimension			
		X	Y	Z	H*
01	7310PXX01X-5K	3.1	11.6	6.0	2.5
02	7310PXX02X-5K	3.1	17.5	11.9	2.5
03	7310PXX03X-5K	3.0	21.5	16.0	2.5
04	7310PXX04X-5K	1.4	7.5	3.6	2.5
05	7310PXX05X-5K	2.5	7.5	2.5	2.5

NOTE: Not all type listed, please contact for applicable P/N.

2.54 Pitch 7311 SERIES CONNECTOR



2.54 mm Pitch Wire-to-Board, Board-to-Board Pin-Header



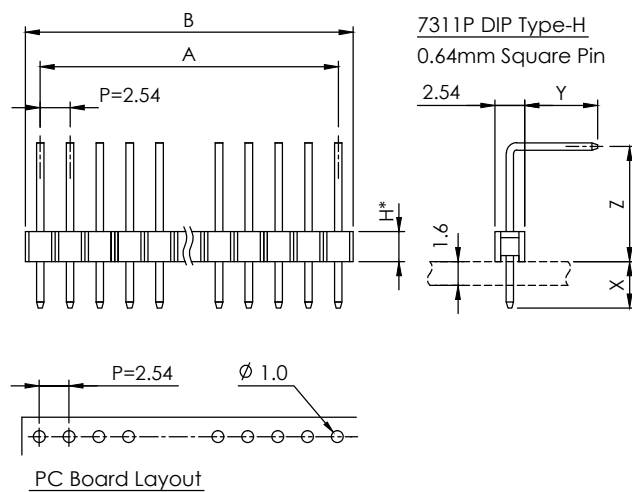
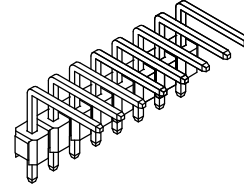
■ Specifications

- ◇ Current rating: 3A AC/DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 500V AC/Minute
- ◇ Contact Resistance: 20 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

■ Reference

- ◇ Mates with 7317P Single-Row Receptacle Header
- ◇ Certifications: UL
- ◇ GWT 850° C rated product is available

7311P PIN Heade / Right-angle type
Single-row / 1-layer of insulation



Ordering Information

PIN Nos	Dimension		PIN Nos	Dimension		PIN Nos	Dimension	
	A	B		A	B		A	B
2	2.54	5.08	15	35.56	38.10	28	68.58	71.12
3	5.08	7.62	16	38.10	40.64	29	71.12	73.66
4	7.62	10.16	17	40.64	43.18	30	73.66	76.20
5	10.16	12.70	18	43.18	45.72	31	76.20	78.74
6	12.70	15.24	19	45.72	48.26	32	78.74	81.28
7	15.24	17.78	20	48.26	50.80	33	81.28	83.82
8	17.78	20.32	21	50.80	53.34	34	83.82	86.36
9	20.32	22.86	22	53.34	55.88	35	86.36	88.90
10	22.86	25.40	23	55.88	58.42	36	88.90	91.44
11	25.40	27.94	24	58.42	60.96	37	91.44	93.98
12	27.94	30.48	25	60.96	63.50	38	93.98	96.52
13	30.48	33.02	26	63.50	66.04	39	96.52	99.06
14	33.02	35.56	27	66.04	68.58	40	99.06	101.6

※ PART NUMBER ASSIGNMENT:

ex. 7311P XX XXX X (DIP Type)

XX : Circuit Nos (PIN Numbers)

XXX : Type No. of defined X, Y, Z Dimension, Max. 3-digit

X : Plating Selection, 1... Gold flash, V... Matte tin

Material : PIN... Brass

BASE... Glass-filled PBT 94V-0, black

※ Please contact sales for P/N of required dimension.

Dimension (7311P / DIP)

Type No.	Part No.	Dimension			
		X	Y	Z	H*
01	7311PXX01X	3.1	7.2	5.0	2.5
02	7311PXX02X	3.1	5.0	9.5	2.5
03	7311PXX03X	3.0	6.7	10.2	2.5
04	7311PXX04X	5.5	3.7	3.3	2.5
05	7311PXX05X	3.5	6.0	2.9	2.5

NOTE: Not all type listed, please contact for applicable P/N.

2.54 Pitch 7312 SERIES CONNECTOR



2.54 mm Pitch Wire-to-Board, Board-to-Board Pin-Header



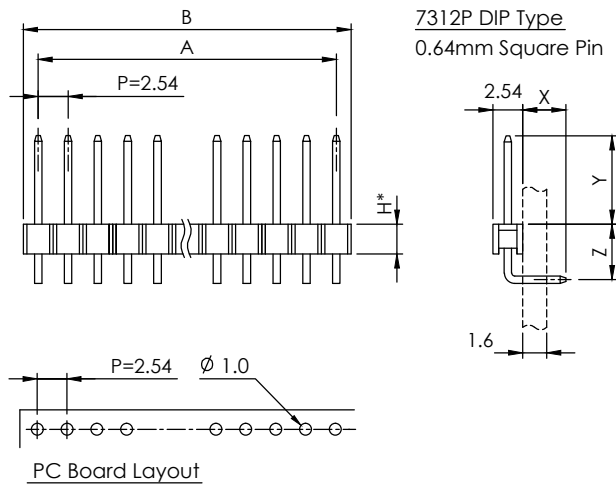
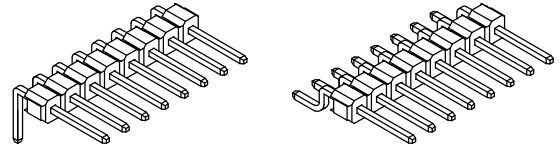
Specifications

- ◇ Current rating: 3A AC/DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 500V AC/Minute
- ◇ Contact Resistance: 20 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Mates with 7317P Single-Row Receptacle Header
- ◇ Certifications: UL
- ◇ GWT 850° C rated product is available

7312P PIN Header / Right-angle type
Single-row / 1- layer of insulation



Ordering Information

PIN Nos	Dimension		PIN Nos	Dimension		PIN Nos	Dimension	
	A	B		A	B		A	B
2	2.54	5.08	15	35.56	38.10	28	68.58	71.12
3	5.08	7.62	16	38.10	40.64	29	71.12	73.66
4	7.62	10.16	17	40.64	43.18	30	73.66	76.20
5	10.16	12.70	18	43.18	45.72	31	76.20	78.74
6	12.70	15.24	19	45.72	48.26	32	78.74	81.28
7	15.24	17.78	20	48.26	50.80	33	81.28	83.82
8	17.78	20.32	21	50.80	53.34	34	83.82	86.36
9	20.32	22.86	22	53.34	55.88	35	86.36	88.90
10	22.86	25.40	23	55.88	58.42	36	88.90	91.44
11	25.40	27.94	24	58.42	60.96	37	91.44	93.98
12	27.94	30.48	25	60.96	63.50	38	93.98	96.52
13	30.48	33.02	26	63.50	66.04	39	96.52	99.06
14	33.02	35.56	27	66.04	68.58	40	99.06	101.6

※ PART NUMBER ASSIGNMENT:

ex. 7312P XX XXX X (DIP Type)

XX : Circuit Nos (PIN Numbers)

XXX : Type No. of defined X, Y, Z Dimension, Max. 3-digit

X : Plating Selection, 1... Gold flash, V... Matte tin

Material : PIN... Brass

BASE... Glass-filled PBT 94V-0, black

※ PART NUMBER ASSIGNMENT:

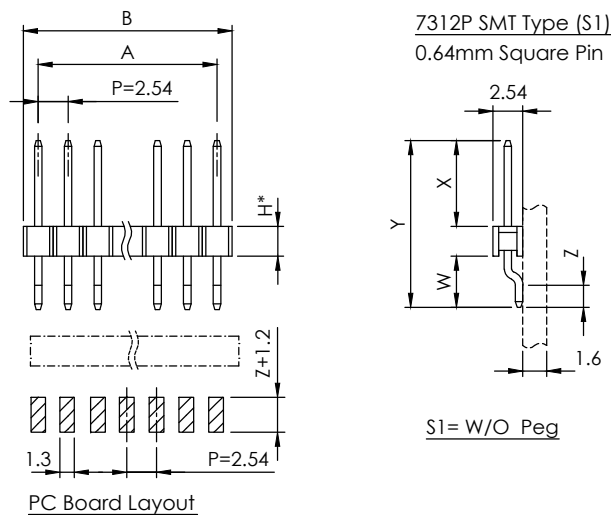
ex. 7312P XX S1 YY X (SMT Type)

YY : Type No. of defined X, Y, Z Dimension, Max. 2-digit

Material : PIN... Brass

BASE... HIGH HDT Nylon-GF 94V-0, black

※ Please contact sales for P/N of required dimension.



Dimension (7312P / DIP)

Type No.	Part No.	Dimension			
		X	Y	Z	H*
01	7312PXX01X	4.0	4.0	2.9	2.5
02	7312PXX02X	3.0	4.0	3.1	2.5
03	7312PXX03X	3.0	5.5	3.7	2.5
04	7312PXX04X	3.0	3.0	3.1	2.5
05	7312PXX05X	2.0	5.7	4.0	2.5

NOTE: Not all type listed, please contact for applicable P/N.

Dimension (7312P / SMT)

Type No.	Part No.	Dimension				
		X	Y	Z	W	H*
S101	7312PXXS101X	6.0	10.3	1.27	4.0	2.5

NOTE: Not all type listed, please contact for applicable P/N.

2.54 Pitch 7313 SERIES CONNECTOR



2.54 mm Pitch Wire-to-Board, Board-to-Board Pin-Header



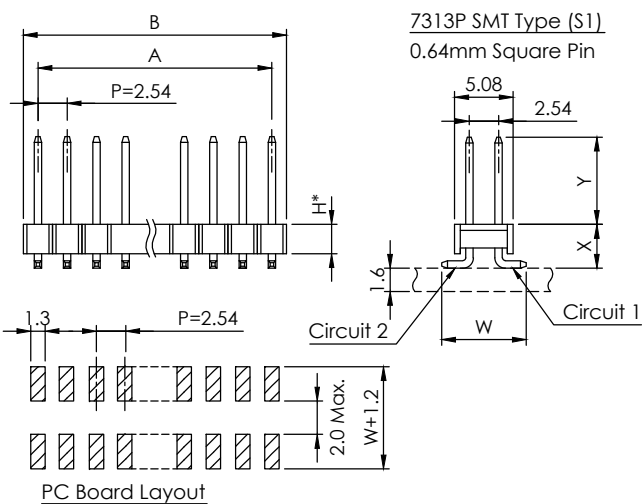
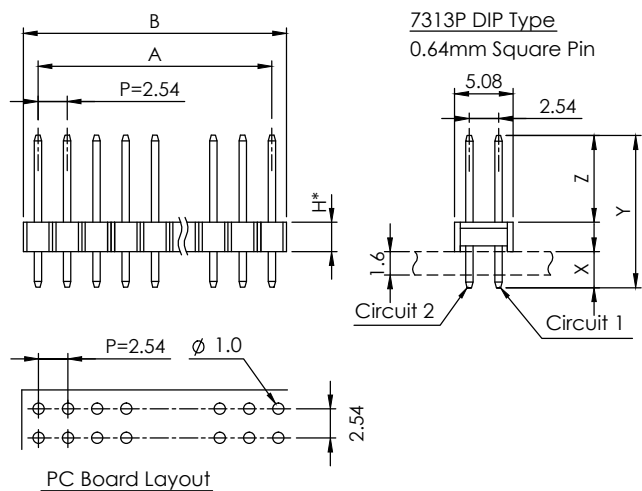
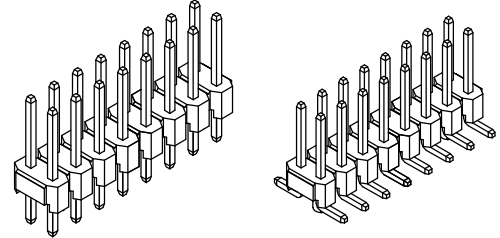
Specifications

- ◇ Current rating: 3A AC/DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 500V AC/Minute
- ◇ Contact Resistance: 20 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Mates with 7318P Dual-Row Receptacle Header
- ◇ Certifications: UL
- ◇ GWT 850° C rated product is available

7313P PIN Header / Straight type
Dual-row / 1- layer of insulation



Ordering Information

PIN Nos	Dimension		PIN Nos	Dimension		PIN Nos	Dimension	
	A	B		A	B		A	B
4	2.54	5.08	30	35.56	38.10	56	68.58	71.12
6	5.08	7.62	32	38.10	40.64	58	71.12	73.66
8	7.62	10.16	34	40.64	43.18	60	73.66	76.20
10	10.16	12.70	36	43.18	45.72	62	76.20	78.74
12	12.70	15.24	38	45.72	48.26	64	78.74	81.28
14	15.24	17.78	40	48.26	50.80	66	81.28	83.82
16	17.78	20.32	42	50.80	53.34	68	83.82	86.36
18	20.32	22.86	44	53.34	55.88	70	86.36	88.90
20	22.86	25.40	46	55.88	58.42	72	88.90	91.44
22	25.40	27.94	48	58.42	60.96	74	91.44	93.98
24	27.94	30.48	50	60.96	63.50	76	93.98	96.52
26	30.48	33.02	52	63.50	66.04	78	96.52	99.06
28	33.02	35.56	54	66.04	68.58	80	99.06	101.6

※ PART NUMBER ASSIGNMENT:

ex. 7313P XX XXX X (DIP Type)

XX : Circuit Nos (PIN Numbers)

XXX : Type No. of defined X, Y, Z Dimension, Max. 3-digit

X : Plating Selection, 1... Gold flash, V... Matte tin

Material : PIN... Brass

BASE... Glass-filled PBT 94V-0, black

※ PART NUMBER ASSIGNMENT:

ex. 7313P XX S1 YY X (SMT Type)

YY : Type No. of defined X, Y, Z Dimension, Max. 2-digit

Material : PIN... Brass

BASE... HIGH HDT Nylon-GF 94V-0, black

※ Please contact sales for P/N of required dimension.

Dimension (7313P / DIP)

Type No.	Part No.	Dimension			
		X	Y	Z	H*
01	7313PXX01X	3.1	11.6	6.0	2.5
02	7313PXX02X	3.1	12.6	7.0	2.5
03	7313PXX03X	3.1	13.0	7.4	2.5
04	7313PXX04X	3.0	24.2	18.7	2.5
05	7313PXX05X	3.0	10.0	4.5	2.5

NOTE: Not all type listed, please contact for applicable P/N.

Dimension (7313P / SMT)

Type No.	Part No.	Dimension			
		X	Y	W	H*
S101	7313PXXS101X	3.8	6.0	7.3	2.5
S102	7313PXXS102X	3.2	5.8	7.7	2.5
S103	7313PXXS103X	3.8	8.1	7.3	2.5
S104	7313PXXS104X	3.8	5.8	7.3	2.5

NOTE: Not all type listed, please contact for applicable P/N.

2.54 Pitch 7313 SERIES CONNECTOR



2.54 mm Pitch Wire-to-Board, Board-to-Board Pin-Header



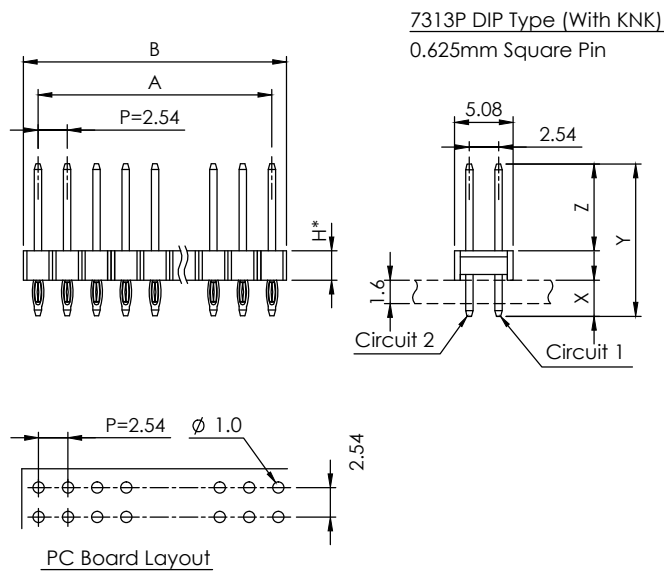
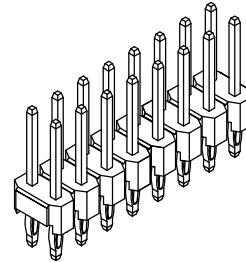
Specifications

- ◇ Current rating: 3A AC/DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 500V AC/Minute
- ◇ Contact Resistance: 20 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Mates with 7318P Dual-Row Receptacle Header
- ◇ Certifications: UL
- ◇ GWT 850° C rated product is available

7313P PIN Header / Straight type
Dual-row / 1- layer of insulation



Ordering Information

PIN Nos	Dimension		PIN Nos	Dimension		PIN Nos	Dimension	
	A	B		A	B		A	B
4	2.54	5.08	30	35.56	38.10	56	68.58	71.12
6	5.08	7.62	32	38.10	40.64	58	71.12	73.66
8	7.62	10.16	34	40.64	43.18	60	73.66	76.20
10	10.16	12.70	36	43.18	45.72	62	76.20	78.74
12	12.70	15.24	38	45.72	48.26	64	78.74	81.28
14	15.24	17.78	40	48.26	50.80	66	81.28	83.82
16	17.78	20.32	42	50.80	53.34	68	83.82	86.36
18	20.32	22.86	44	53.34	55.88	70	86.36	88.90
20	22.86	25.40	46	55.88	58.42	72	88.90	91.44
22	25.40	27.94	48	58.42	60.96	74	91.44	93.98
24	27.94	30.48	50	60.96	63.50	76	93.98	96.52
26	30.48	33.02	52	63.50	66.04	78	96.52	99.06
28	33.02	35.56	54	66.04	68.58	80	99.06	101.6

※ PART NUMBER ASSIGNMENT:

ex. 7313P XX XXX X - 5 K

XX : Circuit Nos (PIN Numbers)

XXX : Type No. of defined X, Y, Z Dimension, Max. 3-digit

X : Plating Selection, 1... Gold flash, V... Matte tin

K : With KINK

Material : PIN... Brass

BASE... HIGH HDT Nylon-GF 94V-0, Black

※ Please contact sales for P/N of required dimension.

Dimension (7313P / DIP)

Type No.	Part No.	Dimension			
		X	Y	Z	H*
01	7313PXX01X-5K	3.1	11.6	6.0	2.5
02	7313PXX02X-5K	3.1	12.6	7.0	2.5
03	7313PXX03X-5K	3.1	13.0	7.4	2.5
04	7313PXX04X-5K	3.0	24.2	18.7	2.5
05	7313PXX05X-5K	3.0	10.0	4.5	2.5

NOTE: Not all type listed, please contact for applicable P/N.

2.54 Pitch 7314 SERIES CONNECTOR



2.54 mm Pitch Wire-to-Board, Board-to-Board Pin-Header



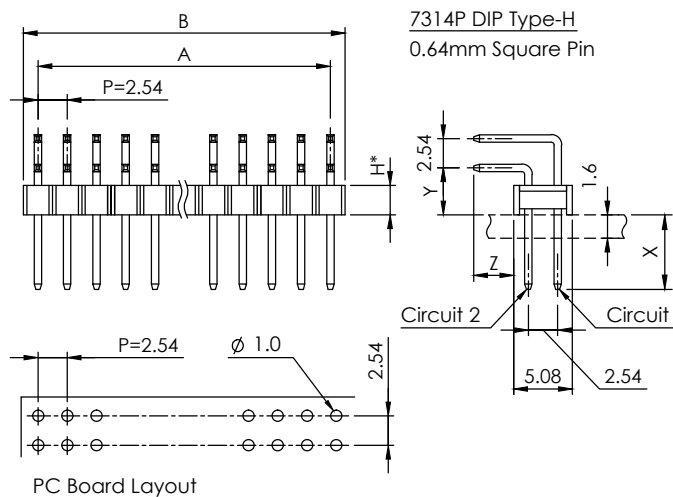
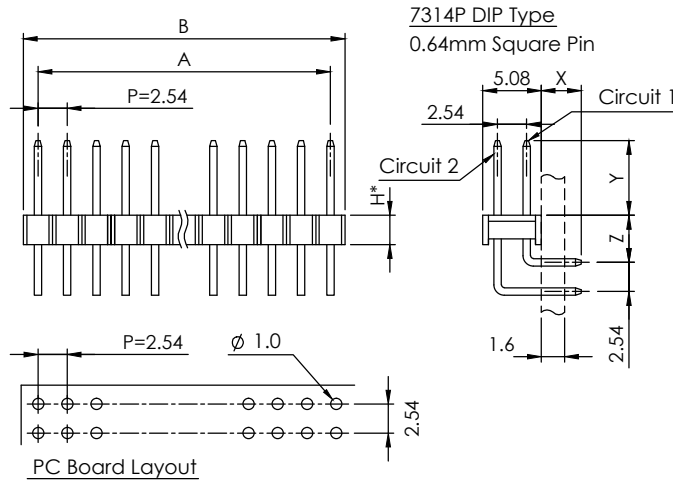
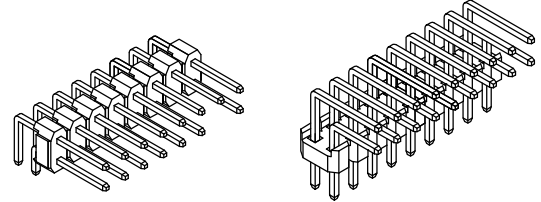
Specifications

- ◇ Current rating: 3A AC/DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 500V AC/Minute
- ◇ Contact Resistance: 20 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Mates with 7318P Dual-Row Receptacle Header
- ◇ Certifications: UL
- ◇ GWT 850° C rated product is available

7314P PIN Header / Right-angle type
Dual-row / 1- layer of insulation



Ordering Information

PIN Nos	Dimension		PIN Nos	Dimension		PIN Nos	Dimension	
	A	B		A	B		A	B
4	2.54	5.08	30	35.56	38.10	56	68.58	71.12
6	5.08	7.62	32	38.10	40.64	58	71.12	73.66
8	7.62	10.16	34	40.64	43.18	60	73.66	76.20
10	10.16	12.70	36	43.18	45.72	62	76.20	78.74
12	12.70	15.24	38	45.72	48.26	64	78.74	81.28
14	15.24	17.78	40	48.26	50.80	66	81.28	83.82
16	17.78	20.32	42	50.80	53.34	68	83.82	86.36
18	20.32	22.86	44	53.34	55.88	70	86.36	88.90
20	22.86	25.40	46	55.88	58.42	72	88.90	91.44
22	25.40	27.94	48	58.42	60.96	74	91.44	93.98
24	27.94	30.48	50	60.96	63.50	76	93.98	96.52
26	30.48	33.02	52	63.50	66.04	78	96.52	99.06
28	33.02	35.56	54	66.04	68.58	80	99.06	101.6

※ PART NUMBER ASSIGNMENT:

ex. 7314P XX XXX X (DIP Type)

ex. 7314P XX H XXX X (Type H)

XX : Circuit Nos (PIN Numbers)

XXX : Type No., of defined X, Y, Z Dimension, Max. 3-digit

X : Plating Selection, 1... Gold flash, V... Matte tin

Material : PIN... Brass

BASE... Glass-filled PBT 94V-0, black

※ Please contact sales for P/N of required dimension.

Dimension (7314P / DIP)

Type No.	Part No.	Dimension			
		X	Y	Z	H*
01	7314PXX01X	3.0	3.0	2.0	2.5
02	7314PXX02X	3.1	4.1	4.3	2.5
03	7314PXX03X	3.1	6.0	4.3	2.5
04	7314PXX04X	3.0	6.0	4.0	2.5
05	7314PXX05X	3.1	6.5	2.9	2.5

NOTE: Not all type listed, please contact for applicable P/N.

Dimension (7314P / DIP Type-H)

Type No.	Part No.	Dimension			
		X	Y	Z	H*
H001	7314PXXH001X	3.1	5.2	4.1	2.5

NOTE: Not all type listed, please contact for applicable P/N.

2.54 Pitch 7317 SERIES CONNECTOR



2.54 mm Pitch Board-to-Board Connector



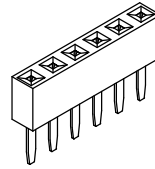
Specifications

- ◇ Current rating: 3A AC/DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 500V AC/Minute
- ◇ Contact Resistance: 20 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

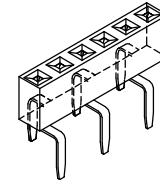
Reference

- ◇ Mates with 2.54 Pitch Single-Row Pin Header
- ◇ Certifications: refer to 7317 series
- ◇ GWT 850° C rated product is available

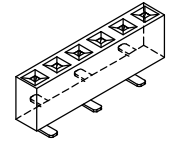
7317P Low-profile DIP / SMT Type Receptacle Header



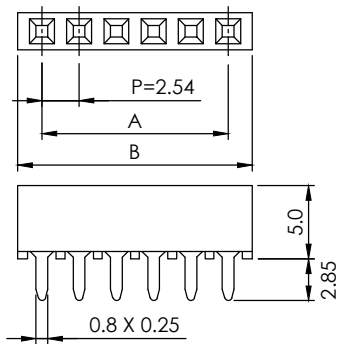
TYPE - 1



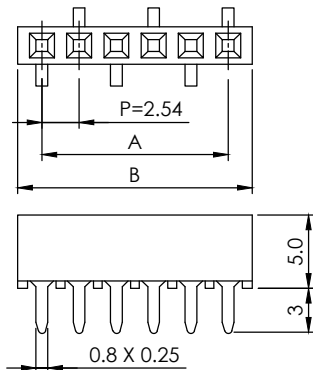
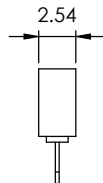
DIP TYPE - 2



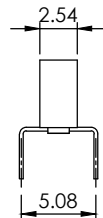
SMT TYPE - 2



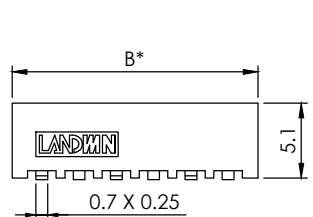
MODEL: TYPE - 1



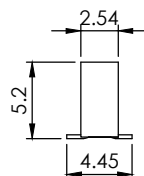
MODEL: TYPE - 2 DIP



(DIP TYPE)



MODEL: TYPE - 2 SMT



(SMT TYPE)

Ordering Information

PIN Nos	Dimension			PIN Nos	Dimension		
	A	B	B*		A	B	B*
2	2.54	5.08	5.84	12	27.94	30.48	31.24
3	5.08	7.62	8.38	13	30.48	33.02	33.78
4	7.62	10.16	10.92	14	33.02	35.56	36.32
5	10.16	12.7	13.46	15	35.56	38.10	38.86
6	12.70	15.24	16.00	16	38.10	40.64	41.40
7	15.24	17.78	18.54	17	40.64	43.18	43.94
8	17.78	20.32	21.08	18	43.18	45.72	46.48
9	20.32	22.86	23.62	19	45.72	48.26	49.02
10	22.86	25.40	26.16	20	48.26	50.80	51.56
11	25.40	27.94	28.70				

※ PART NUMBER ASSIGNMENT:

ex. 7317P XX 1 3 X (DIP Type-1)

ex. 7317P XX 2 3 X (DIP Type-2)

XX : Circuit Nos

X : Plating Selection, 1... Gold flash

Material : PIN... Phosphor bronze

BASE ... Glass-filled PBT 94V-0, Black

※ PART NUMBER ASSIGNMENT:

ex. 7317P XX 2 6 X - B T (SMT Type-2)

Material : PIN... Phosphor bronze

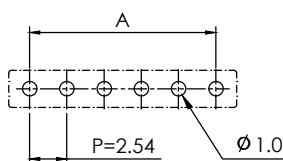
BASE... HIGH HDT Nylon-GF 94V-0, Black

Color selection : S... White, B... Black Color

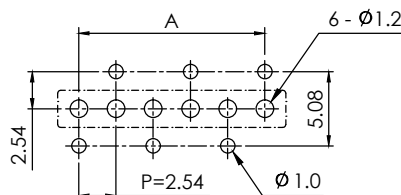
※ Contact sales for more plating selection.

P.C. Board Layout

TYPE - 1

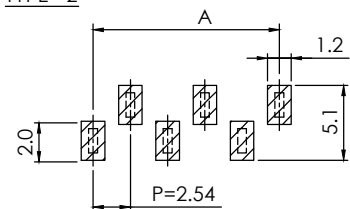


TYPE - 2



(DIP TYPE)

TYPE - 2



(SMT TYPE)

2.54 Pitch 7317 SERIES CONNECTOR



2.54 mm Pitch Board-to-Board Connector



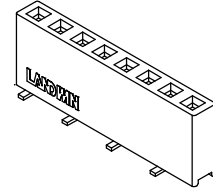
Specifications

- ◇ Current rating: 3A AC/DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 500V AC/Minute
- ◇ Contact Resistance: 20 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

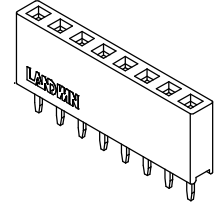
Reference

- ◇ Mates with 2.54 Pitch Single-row PIN Header
- ◇ Certifications: refer to 7317 series
- ◇ GWT 850° C rated product is available

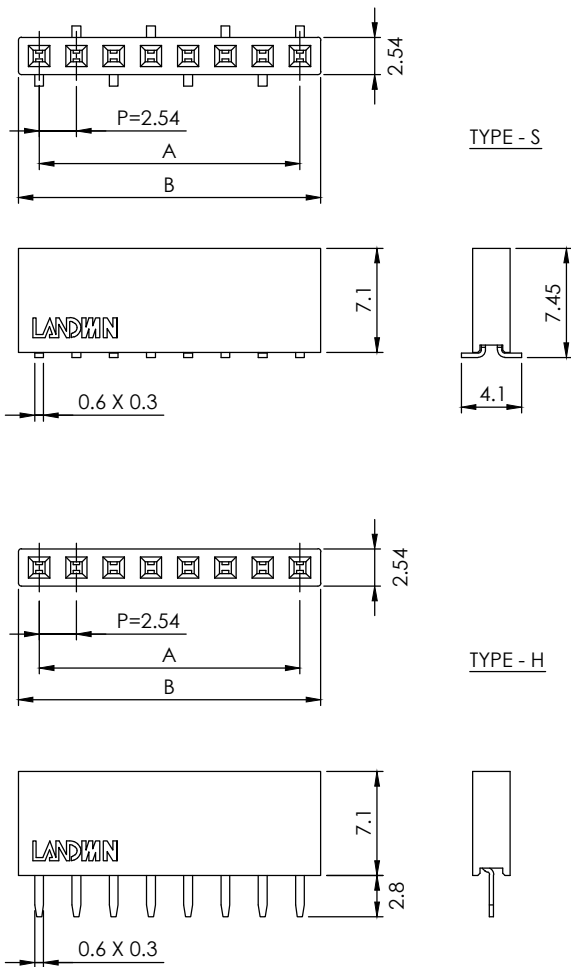
7317P DIP / SMT Type Receptacle Header



TYPE - S



TYPE - H



Ordering Information

PIN Nos	Dimension		PIN Nos	Dimension	
	A	B		A	B
2	2.54	5.38	12	27.94	30.78
3	5.08	7.92	13	30.48	33.32
4	7.62	10.46	14	33.02	35.86
5	10.16	13.00	15	35.56	38.40
6	12.70	15.54	16	38.10	40.94
7	15.24	18.08	17	40.64	43.48
8	17.78	20.62	18	43.18	46.02
9	20.32	23.16	19	45.72	48.56
10	22.86	25.70	20	48.26	51.10
11	25.40	28.24			

※ PART NUMBER ASSIGNMENT:

ex. 7317P XX S 9 X (SMT Type)

ex. 7317P XX S 9 X - H

XX : Circuit Nos

X : Plating Selection, 1... Gold flash

Color selection : H... gray, S... white color

Material : PIN... Phosphor bronze

BASE... HIGH HDT Nylon-GF 94V-0, Black

※ PART NUMBER ASSIGNMENT:

ex. 7317P XX H 3 X (DIP Type)

ex. 7317P XX H 3 X - E

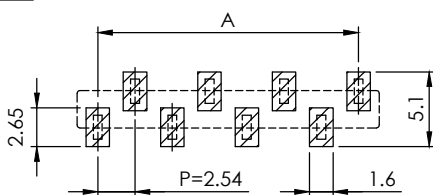
Material : PIN... Phosphor bronze

BASE ... Glass-filled PBT 94V-0, Black

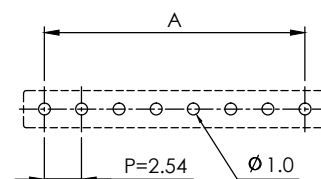
※ Contact sales for more plating selection.

P.C. Board Layout

TYPE - S



TYPE - H



2.54 Pitch 7317 SERIES CONNECTOR



2.54 mm Pitch Board-to-Board Connector

RoHS REACH LF HFA GWT

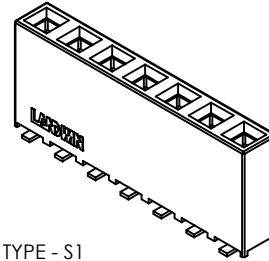
Specifications

- ◇ Current rating: 3A AC/DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 500V AC/Minute
- ◇ Contact Resistance: 20 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

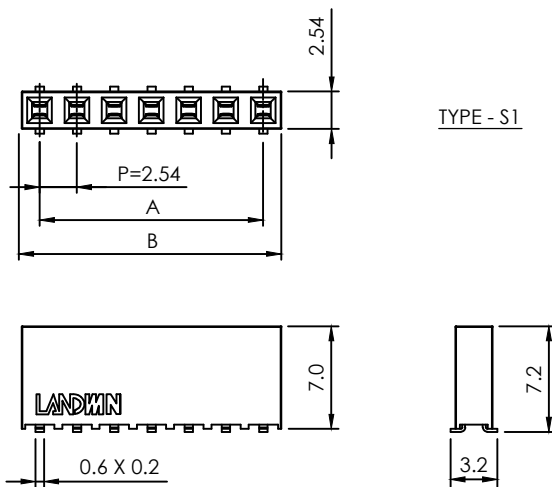
Reference

- ◇ Mates with 2.54 Pitch Single-row PIN Header
- ◇ Certifications: refer to 7317 series
- ◇ GWT 850° C rated product is available

7317P SMT Type-S1 Receptacle Header



TYPE - S1



Ordering Information

PIN Nos	Dimension		PIN Nos	Dimension	
	A	B		A	B
2	2.54	5.00	12	27.94	30.40
3	5.08	7.54	13	30.48	32.94
4	7.62	10.08	14	33.02	35.48
5	10.16	12.62	15	35.56	38.02
6	12.70	15.16	16	38.10	40.56
7	15.24	17.70	17	40.64	43.10
8	17.78	20.24	18	43.18	46.64
9	20.32	22.78	19	45.72	48.18
10	22.86	25.32	20	48.26	50.72
11	25.40	27.86			

※ PART NUMBER ASSIGNMENT:

ex. 7317P XX S1 02 X (SMT Type-S1)

ex. 7317P XX S1 02 X - H

XX : Circuit Nos

X : Plating Selection, 1... Gold flash

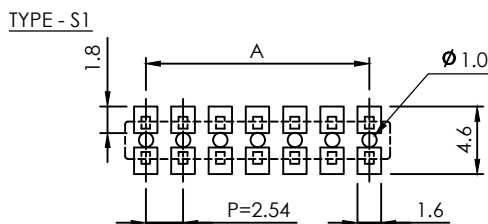
Color selection : H... gray, S... white color

Material : PIN... Phosphor bronze

BASE... HIGH HDT Nylon-GF 94V-0, Black

※ Contact sales for more plating selection.

P.C. Board Layout



2.54 Pitch 7317 SERIES CONNECTOR



2.54 mm Pitch Board-to-Board Connector



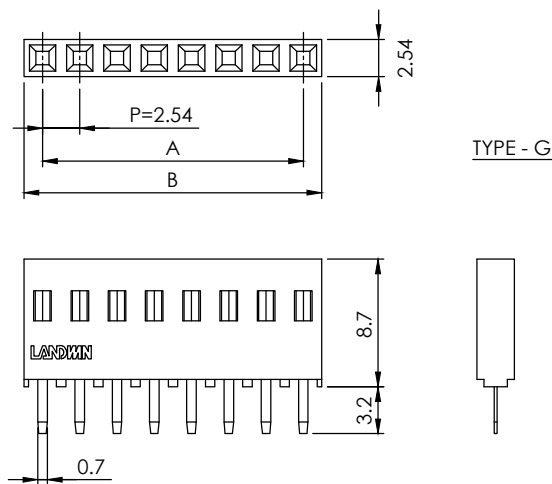
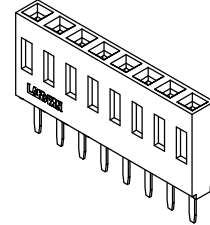
Specifications

- ◇ Current rating: 3A AC/DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 500V AC/Minute
- ◇ Contact Resistance: 20 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Mates with 2.54 Pitch Single-row PIN Header
- ◇ Certifications: refer to 7317 series
- ◇ GWT 850° C rated product is available

7317P High-profile DIP Type-G Receptacle Header



Ordering Information

PIN Nos	Dimension		PIN Nos	Dimension	
	A	B		A	B
2	2.54	5.05	15	35.56	38.07
3	5.08	7.59	16	38.10	40.61
4	7.62	10.13	17	40.64	43.15
5	10.16	12.67	18	43.18	45.69
6	12.70	15.21	19	45.72	48.23
7	15.24	17.75	20	48.26	50.77
8	17.78	20.29			
9	20.32	22.83			
10	22.86	25.37			
11	25.40	27.91			
12	27.94	30.45			
13	30.48	32.99			
14	33.02	35.53			

※ PART NUMBER ASSIGNMENT:

ex. 7317P XX G 3 X (Straight Type-G)

XX : Circuit Nos

X : Plating Selection, 1... Gold flash

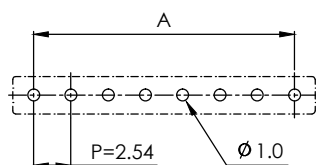
Material : PIN... Phosphor bronze

BASE ... Glass-filled PBT 94V-0, Black

※ Contact sales for more plating selection.

P.C. Board Layout

TYPE - G



2.54 Pitch 7318 SERIES CONNECTOR



2.54 mm Pitch Board-to-Board Connector



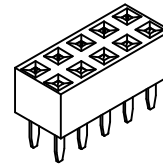
Specifications

- ◇ Current rating: 3A AC/DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 500V AC/Minute
- ◇ Contact Resistance: 20 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

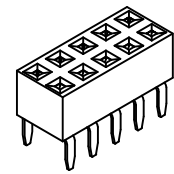
Reference

- ◇ Mates with 2.54 Pitch Dual-row PIN Header
- ◇ Certifications: UL
- ◇ GWT 850° C rated product is available

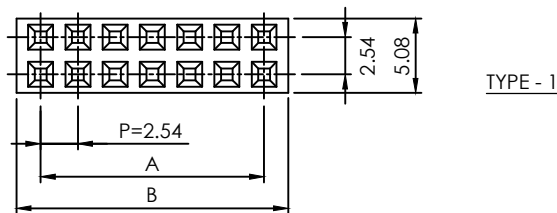
7318P Low-profile DIP Type Receptacle Header



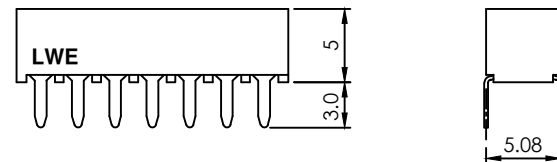
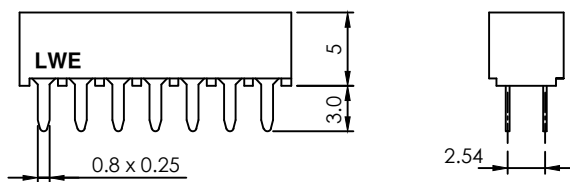
TYPE - 1



TYPE - 3



TYPE - 1



TYPE - 3

Ordering Information

PIN Nos	Dimension		PIN Nos	Dimension	
	A	B		A	B
4	2.54	5.84	26	30.48	33.78
6	5.08	8.38	28	33.02	36.32
8	7.62	10.92	30	35.56	38.86
10	10.16	13.46	32	38.10	41.40
12	12.70	16.00	34	40.64	43.94
14	15.24	18.54	36	43.18	46.48
16	17.78	21.08	38	45.72	49.02
18	20.32	23.62	40	48.26	51.56
20	22.86	26.16	42	50.80	54.10
22	25.40	28.70	44	53.34	56.64
24	27.94	31.24			

※ PART NUMBER ASSIGNMENT:

ex. 7318P XX 1 6 X (DIP Type-1)

ex. 7318P XX 3 6 X (DIP Type-3)

XX : Circuit Nos

X : Plating Selection, 1... Gold flash

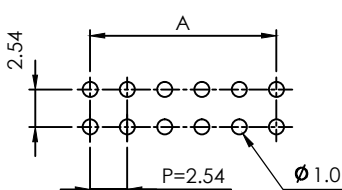
Material : PIN... Phosphor bronze

BASE ... Glass-filled PBT 94V-0, Black

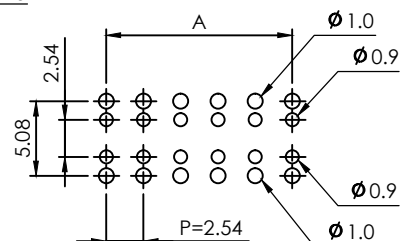
※ Contact sales for more plating selection.

P.C. Board Layout

TYPE - 1



TYPE - 3



2.54 Pitch 7318 SERIES CONNECTOR



2.54 mm Pitch Board-to-Board Connector



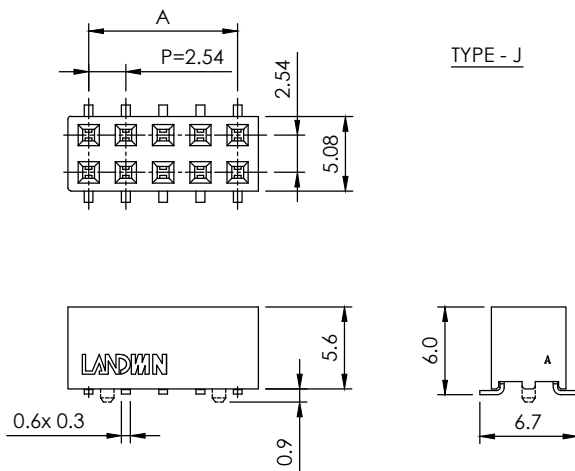
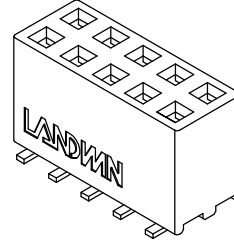
Specifications

- ◇ Current rating: 3A AC/DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 500V AC/Minute
- ◇ Contact Resistance: 20 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Mates with 2.54 Pitch Dual-row PIN Header
- ◇ Certifications: refer to 7318 series
- ◇ GWT 850° C rated product is available

7318P Low-profile SMT Type-J Receptacle Header



Ordering Information

PIN Nos	Dimension		PIN Nos	Dimension	
	A	B		A	B
4	2.54	5.38	30	35.56	38.40
6	5.08	7.92	32	38.10	40.94
8	7.62	10.46	34	40.64	43.48
10	10.16	13.00	36	43.18	46.02
12	12.70	15.54	38	45.72	48.56
14	15.24	18.08	40	48.26	51.10
16	17.78	20.62	42	50.80	53.64
18	20.32	23.16	44	53.34	56.18
20	22.86	25.70	46	55.88	58.72
22	25.40	28.24	48	58.42	61.26
24	27.94	30.78	50	60.96	63.80
26	30.48	33.32			
28	33.02	35.86			

※ PART NUMBER ASSIGNMENT:

ex. 7318P XX J 9 X - B 1 (SMT Type J)

XX : Circuit Nos

X : Plating Selection, 1... Gold flash

Color selection : B... Black Color, S... White, H... Gray Color

1... with Peg

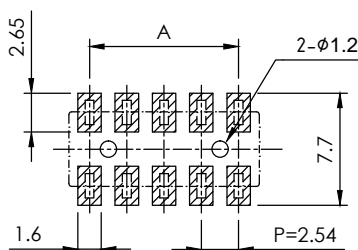
Material : PIN... Phosphor bronze

BASE... HIGH HDT Nylon-GF 94V-0, Black

※ Contact sales for more plating selection.

P.C. Board Layout

TYPE - J



2.54 Pitch 7318 SERIES CONNECTOR



2.54 mm Pitch Board-to-Board Connector



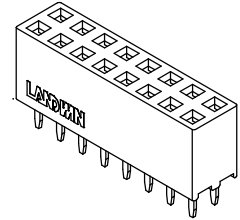
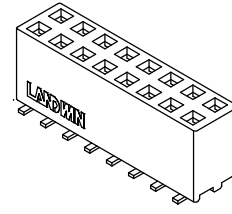
Specifications

- ◇ Current rating: 3A AC/DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 500V AC/Minute
- ◇ Contact Resistance: 20 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

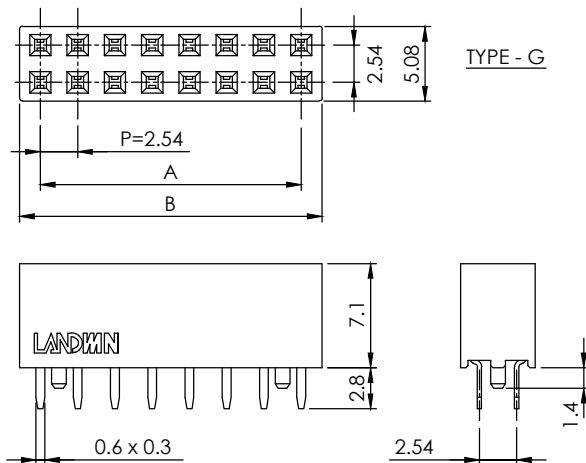
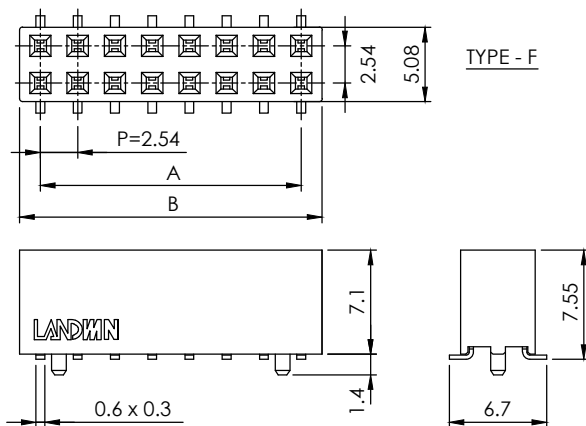
- ◇ Mates with 2.54 Pitch Dual-row PIN Header
- ◇ Certifications: refer to 7318 series
- ◇ GWT 850° C rated product is available

7318P High-profile DIP / SMT Type Receptacle Header



TYPE - F

TYPE - G



Ordering Information

PIN Nos	Dimension		PIN Nos	Dimension	
	A	B		A	B
4	2.54	5.38	30	35.56	38.40
6	5.08	7.92	32	38.10	40.94
8	7.62	10.46	34	40.64	43.48
10	10.16	13.00	36	43.18	46.02
12	12.70	15.54	38	45.72	48.56
14	15.24	18.08	40	48.26	51.10
16	17.78	20.62	42	50.80	53.64
18	20.32	23.16	44	53.34	56.18
20	22.86	25.70	46	55.88	58.72
22	25.40	28.24	48	58.42	61.26
24	27.94	30.78	50	60.96	63.80
26	30.48	33.32			
28	33.02	35.86			

※ PART NUMBER ASSIGNMENT:

ex. 7318P XX F 9 X (SMT Type)

ex. 7318P XX F 9 X - H

XX : Circuit Nos

X : Plating Selection, 1... Gold flash

Color selection : S... White, H... Gray Color

Material : PIN... Phosphor bronze

BASE... HIGH HDT Nylon-GF 94V-0, Black

※ PART NUMBER ASSIGNMENT:

ex. 7318P XX G 3 X (DIP Type)

ex. 7318P XX G 3 X - E

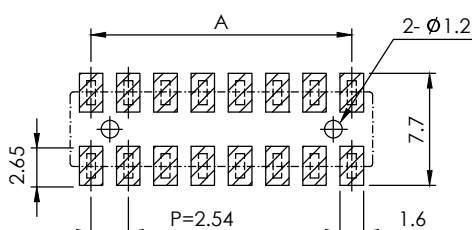
Material : PIN... Phosphor bronze

BASE... Glass-filled PBT 94V-0, Black

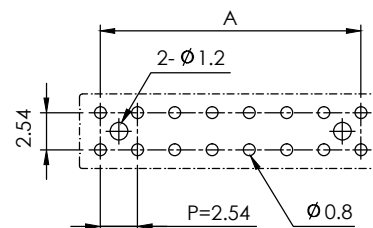
※ Contact sales for more plating selection.

P.C. Board Layout

TYPE - F



TYPE - G



2.54 Pitch 7318 SERIES CONNECTOR



2.54 mm Pitch Board-to-Board Connector



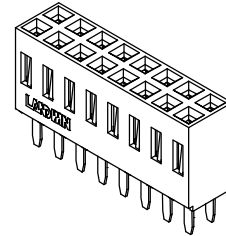
Specifications

- ◇ Current rating: 3A AC/DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 500V AC/Minute
- ◇ Contact Resistance: 20 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

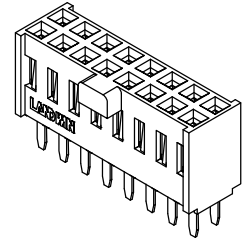
Reference

- ◇ Mates with 2.54 Pitch Dual-row PIN Header
- ◇ Certifications: refer to 7318 series
- ◇ GWT 850° C rated product is available

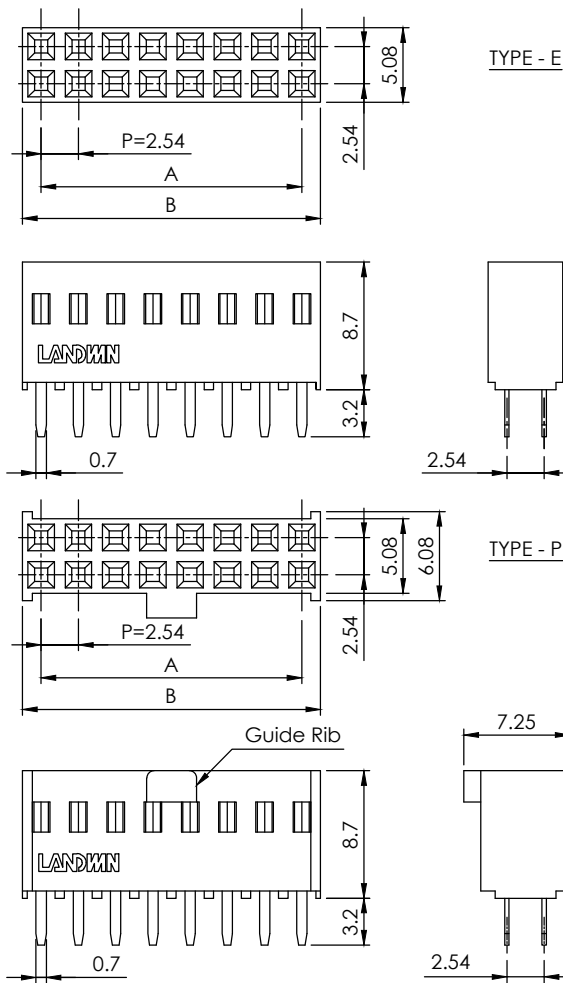
7318P High-profile DIP Type-E, Type-P Receptacle Header



TYPE - E



TYPE - P



Ordering Information

PIN Nos	Dimension		PIN Nos	Dimension	
	A	B		A	B
4	2.54	5.08	30	35.56	38.10
6	5.08	7.62	32	38.10	40.64
8	7.62	10.16	34	40.64	43.18
10	10.16	12.70	36	43.18	45.72
12	12.70	15.24	38	45.72	48.26
14	15.24	17.78	40	48.26	50.80
16	17.78	20.32	42	50.80	53.34
18	20.32	22.86	44	53.34	55.88
20	22.86	25.40	46	55.88	58.42
22	25.40	27.94	48	58.42	60.96
24	27.94	30.48	50	60.96	63.50
26	30.48	33.02			
28	33.02	35.56			

※ PART NUMBER ASSIGNMENT:

ex. 7318P XX E 3 X (Type E)

ex. 7318P XX E 3 X - H

XX : Circuit Nos

X : Plating Selection, 1... Gold flash

Color selection : S... White, H... Gray Color

Material : PIN... Phosphor bronze

BASE ... Glass-filled PBT 94V-0, Black

※ PART NUMBER ASSIGNMENT:

ex. 7318P XX P 3 X (Type P)

ex. 7318P XX P 3 X - E

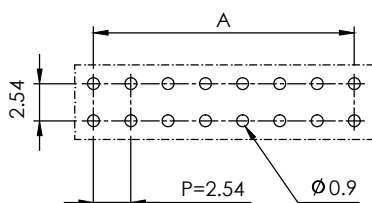
Material : PIN... Phosphor bronze

BASE ... Glass-filled PBT 94V-0, Black

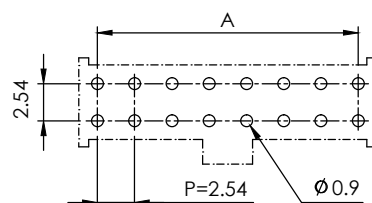
※ Contact sales for more plating selection.

P.C. Board Layout

TYPE - E



TYPE - P



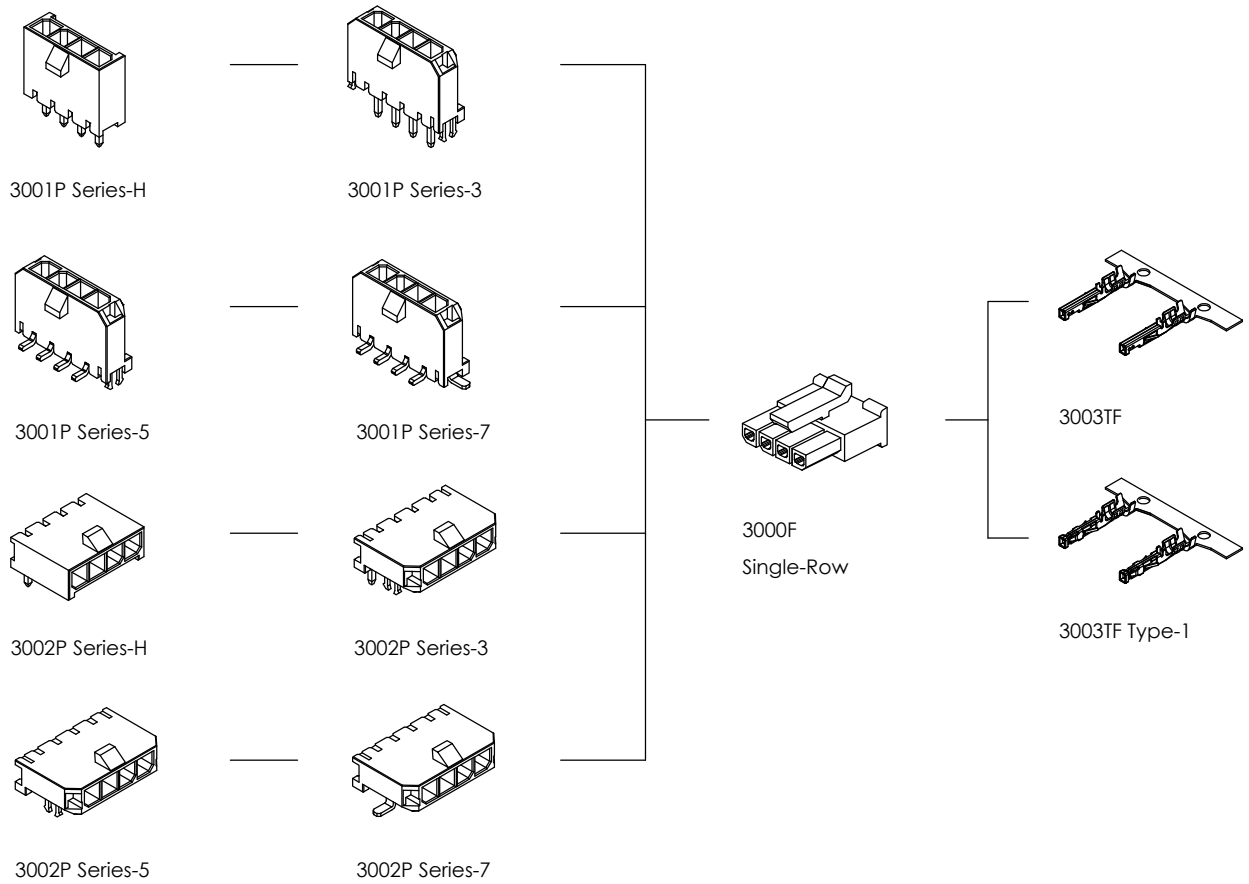
3.0 - 3.2 Pitch SERIES



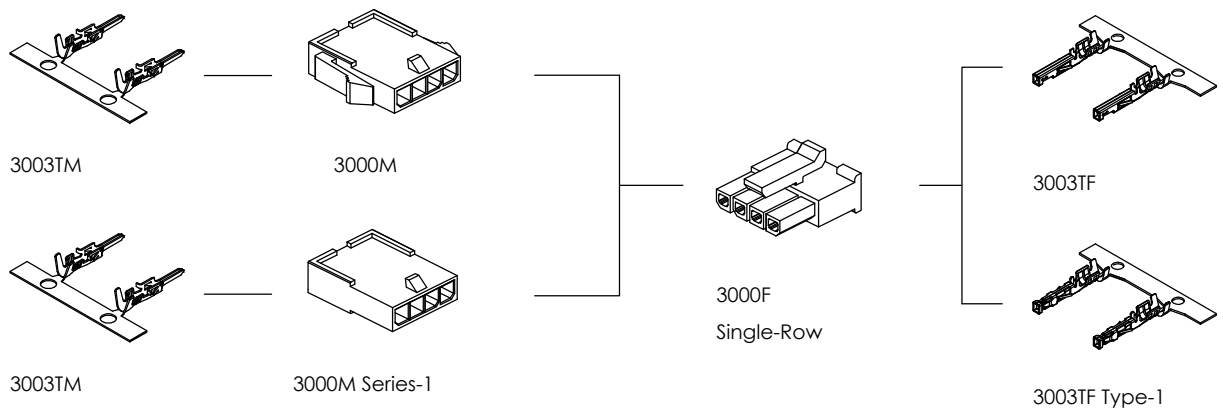
3.0 mm Pitch Connectors - Application Overview

RoHS REACH LF HFA

Pitch 3.0mm / Wire-to-Board



Pitch 3.0mm / Wire-to-Wire



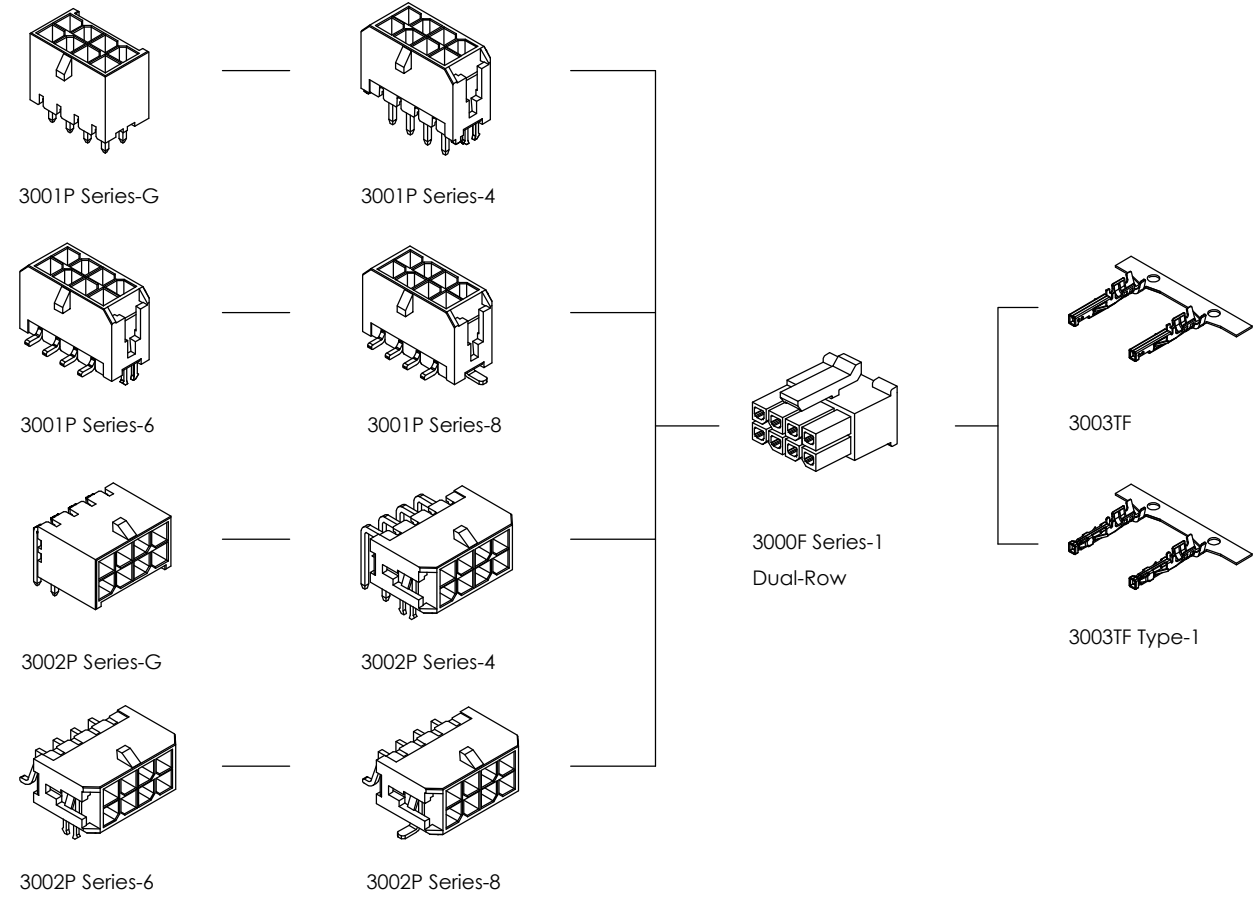
3.0 - 3.2 Pitch SERIES



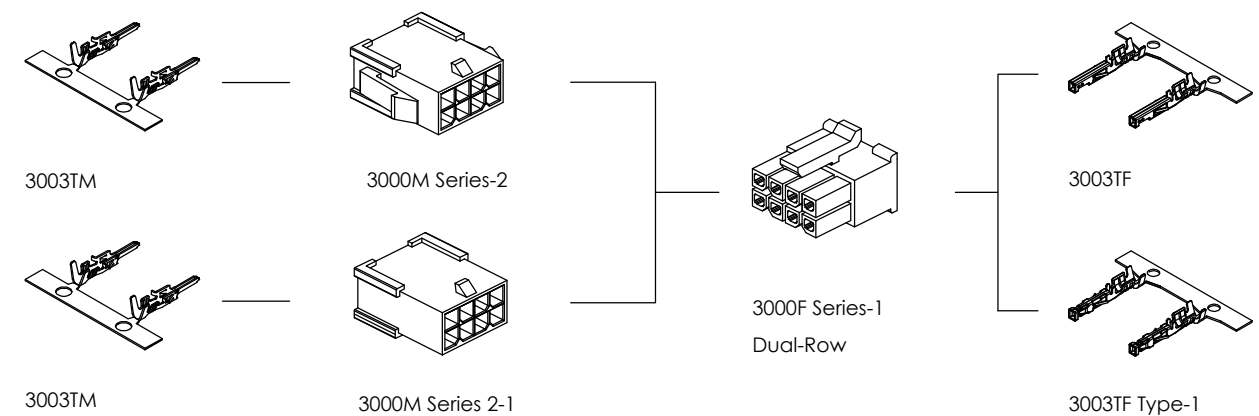
3.0 mm Pitch Connectors - Application Overview

RoHS REACH LF HFA

Pitch 3.0mm / Wire-to-Board



Pitch 3.0mm / Wire-to-Wire



3.0 Pitch 3000 SERIES CONNECTOR



3.0 mm Pitch Wire-to-Wire, Wire-to-Board Connector

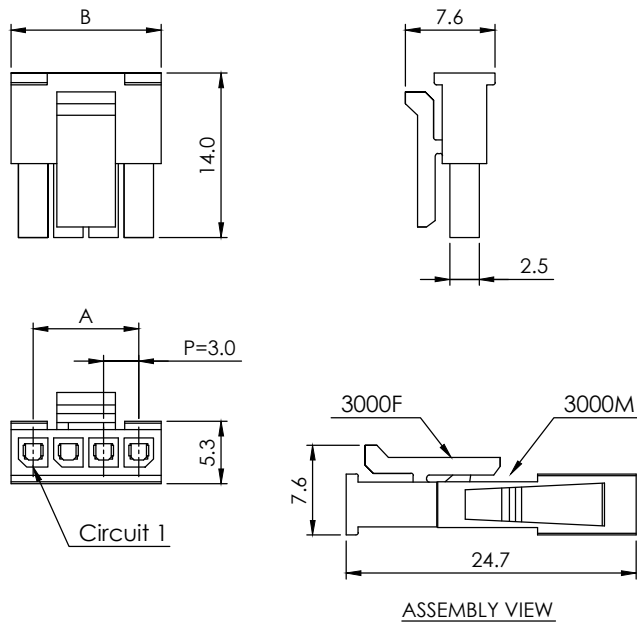


Specifications

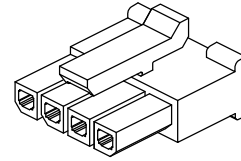
- ◇ Current rating: 5A AC/DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 1500V AC/Minute
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Mates with 3001P, 3002P series Single-row Header
- ◇ Use with 3003TF series Crimp Terminal
- ◇ Certification: UL, TUV
- ◇ GWT 850° C rated product is under development
- ◇ Applicable wire gauge: AWG 20 - 24 and AWG 26 - 30



3000F Single-Row Plug Housing



Ordering Information

Circuits	Part No.	Dimension	
		A	B
2	3000F02 01	3.00	8.3
3	3000F03 01	6.00	9.8
4	3000F04 01	9.00	12.8
5	3000F05 01	12.00	15.8
6	3000F06 01	15.00	18.8
7	3000F07 01	18.00	21.8
8	3000F08 01	21.00	24.8
9	3000F09 01	24.00	27.8
10	3000F10 01	27.00	30.8
11	3000F11 01	30.00	33.8
12	3000F12 01	33.00	36.8

Material

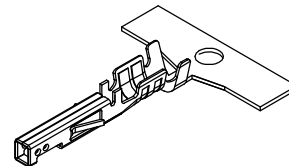
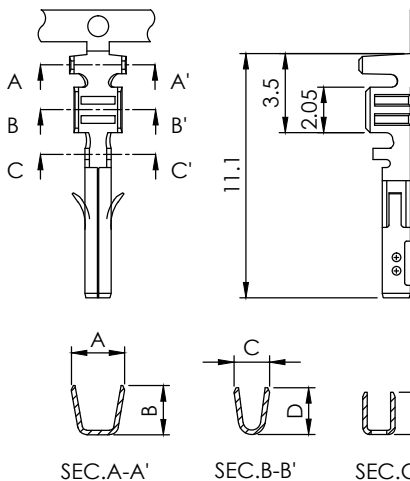
Part	Material
Housing	Nylon 66 94V-0, black color

※ Color Identification: the following alphabet shall be put.
 ex. 3000F 04 01 - S
 04... Circuit no.
 S... white, R... red color

Reference

- ◇ Use with 3000F series Plug Housing

3003TF Crimp Terminal



Ordering Information

Part No.	Applicable Wire			Q'ty / Reel
	AWG #	Insulation O.D. mm		
3003TF11R	20 - 24	1.9 Max.		10,000
3003TF21R	26 - 30	1.9 Max.		10,000

Part No.	A	B	C	D
3003TF11R	2.7	2.5	2.1	2.1
3003TF21R	2.4	1.9	1.8	1.6

※ Material : Phosphor Bronze, Tin-Plated

3.0 Pitch 3000 SERIES CONNECTOR



3.0 mm Pitch Wire-to-Wire, Wire-to-Board Connector



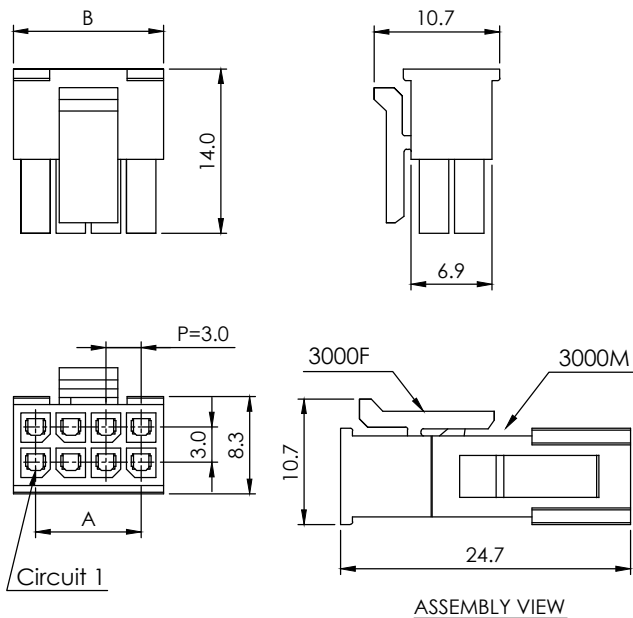
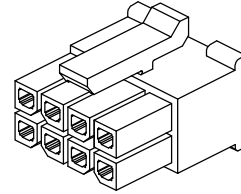
Specifications

- ◇ Current rating: 5A AC/DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 1500V AC/Minute
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Mates with 3001P, 3002P series Dual-row Header
- ◇ Use with 3003TF series Crimp Terminal
- ◇ Certification: UL, TUV
- ◇ GWT 850° C rated product is under development
- ◇ Applicable wire gauge: AWG 20 - 24 and AWG 26 - 30

3000F Dual-Row Plug Housing



Ordering Information

Circuits	Part No.	Dimension	
		A	B
2	3000F02 11	N/A	5.3
4	3000F04 11	3.00	8.3
6	3000F06 11	6.00	9.8
8	3000F08 11	9.00	12.8
10	3000F10 11	12.00	15.8
12	3000F12 11	15.00	18.8
14	3000F14 11	18.00	21.8
16	3000F16 11	21.00	24.8
18	3000F18 11	24.00	27.8
20	3000F20 11	27.00	30.8
22	3000F22 11	30.00	33.8
24	3000F24 11	33.00	36.8

Material

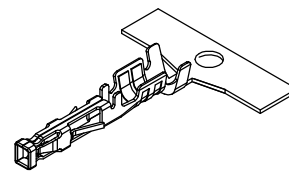
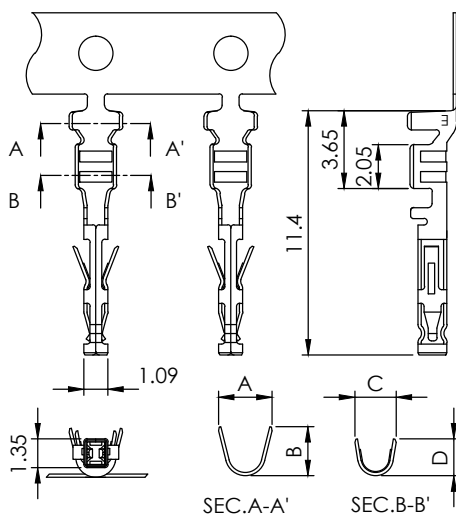
Part	Material
Housing	Nylon 66 94V-0, black color

※ Color Identification: the following alphabet shall be put,
 ex. 3000F 04 11 - S
 04... Circuit no.
 S... white, R... red color

Reference

- ◇ Use with 3000F series Plug Housing

3003TF Type-1 Crimp Terminal Low-Intension Force



Ordering Information

Part No.	Applicable Wire		
	AWG #	Insulation O.D. mm	Q'ty / Reel
3003TF11R-1	20 - 24	1.9 Max.	10,000
3003TF21R-1	26 - 30	1.3 Max.	10,000

Part No.	A	B	C	D
3003TF11R-1	2.5	2.3	1.95	1.75
3003TF21R-1	2.3	1.9	1.75	1.2

3.0 Pitch 3000 SERIES CONNECTOR



3.0 mm Pitch Wire-to-Wire Connector

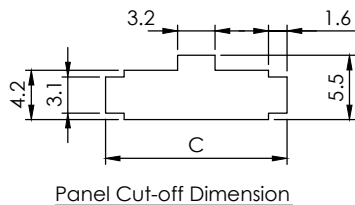
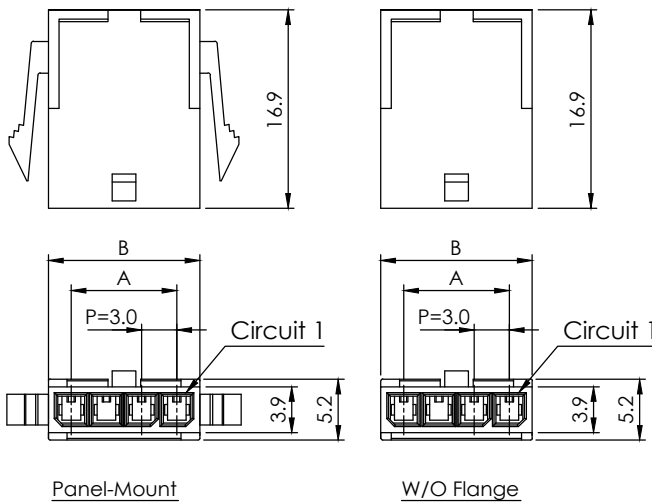


Specifications

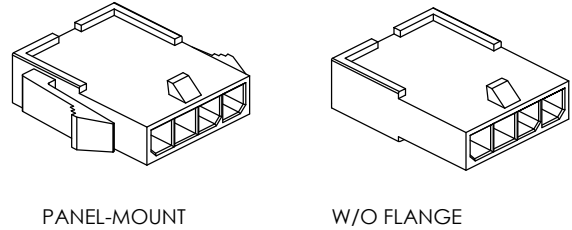
- ◇ Current rating: 5A AC/DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 1500V AC/Minute
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Mates with 3000F series Single-row Plug Housing
- ◇ Use with 3003TM series Pin-Contact Crimp Terminal
- ◇ Certification: UL, TUV
- ◇ GWT 850° C rated product is under development
- ◇ Applicable wire gauge: AWG 20 - 24 and AWG 26 - 30



3000M Single-Row Receptacle Housing



Ordering Information

Circuits	Part No.		Dimension		
	Panel-Mount	W/O Flange	A	B	C
2	3000M02 01	3000M02 01-BE	3.00	6.9	10.90
3	3000M03 01	3000M03 01-BE	6.00	9.9	13.89
4	3000M04 01	3000M04 01-BE	9.00	12.9	16.89
5	3000M05 01	3000M05 01-BE	12.00	15.9	19.89
6	3000M06 01	3000M06 01-BE	15.00	18.9	22.89
7	3000M07 01	3000M07 01-BE	18.00	21.9	25.88
8	3000M08 01	3000M08 01-BE	21.00	24.9	28.88
9	3000M09 01	3000M09 01-BE	24.00	27.9	31.88
10	3000M10 01	3000M10 01-BE	27.00	30.9	34.87
11	3000M11 01	3000M11 01-BE	30.00	33.9	37.87
12	3000M12 01	3000M12 01-BE	33.00	36.9	40.87

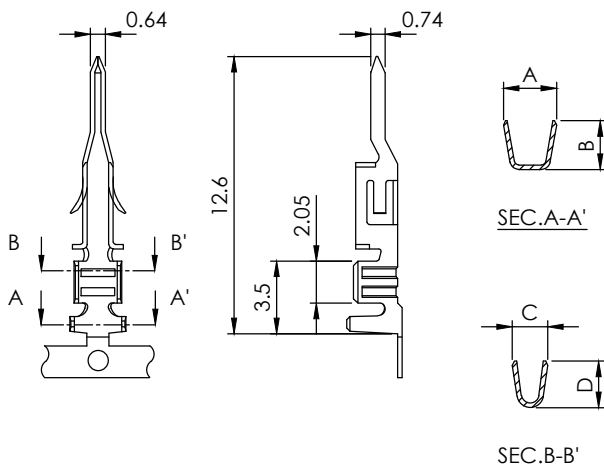
Material

Part	Material / Finish
Housing	Glass-filled Nylon 66 94V-0, black color

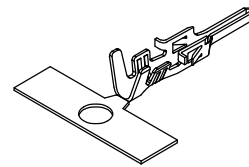
※ Color Identification: the following alphabet shall be put,
 ex. 3000M 04 01 - S
 ex. 3000M 14 01 - R E
 04... Circuit no.
 S... white, R... red color

Reference

- ◇ Use with 3000M series Plug Housing



3003TM Pin-Contact Crimp Terminal



Ordering Information

Part No.	Applicable Wire			Q'ty / Reel
	AWG #	Insulation O.D. mm		
3003TM11R	20 - 24	1.9 Max.		10,000
3003TM21R	26 - 30	1.9 Max.		10,000

Part No.	A	B	C	D
3003TM11R	2.7	2.5	2.1	2.1
3003TM21R	2.4	1.9	1.8	1.6

3.0 Pitch 3000 SERIES CONNECTOR



3.0 mm Pitch Wire-to-Wire Connector



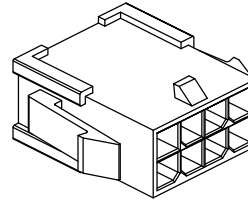
Specifications

- ◇ Current rating: 5A AC/DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 1500V AC/Minute
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

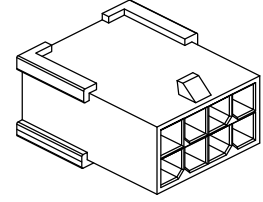
Reference

- ◇ Mates with 3000F series Dual-row Plug Housing
- ◇ Use with 3003TM series Pin-Contact Crimp Terminal
- ◇ Certification: UL, TUV
- ◇ GWT 850° C rated product is under development
- ◇ Applicable wire gauge: AWG 20 - 24 and AWG 26 - 30

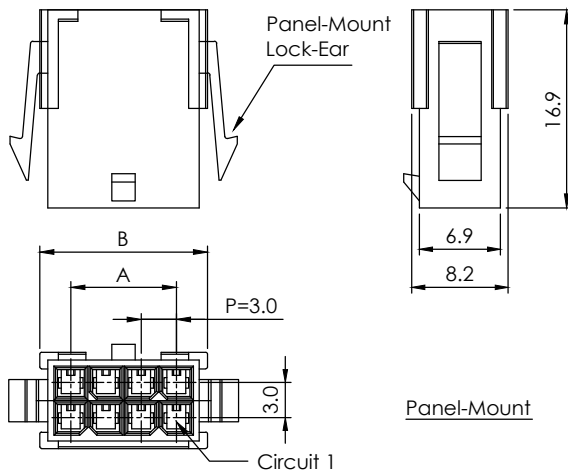
3000M Dual-Row Receptacle Housing



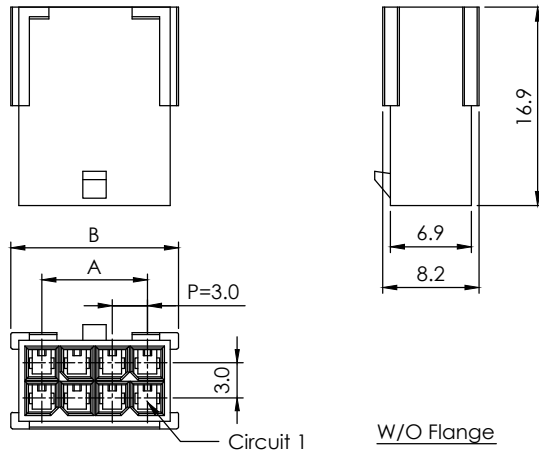
PANEL-MOUNT



W/O FLANGE



Panel-Mount



W/O Flange

Ordering Information

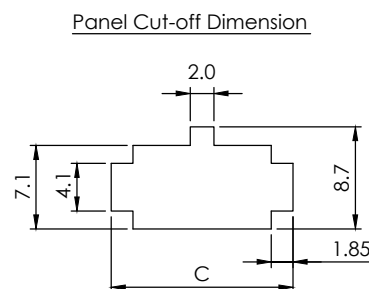
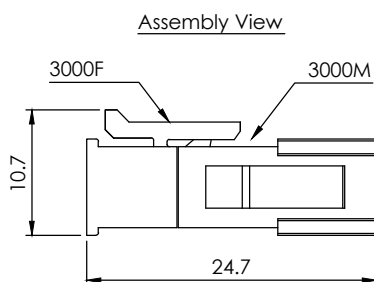
Circuits	Part No.		Dimension		
	Panel-Mount	W/O Flange	A	B	C
2	3000M02 21	3000M02 21-BE	N/A	5.3	7.90
4	3000M04 21	3000M04 21-BE	3.00	8.3	10.90
6	3000M06 21	3000M06 21-BE	6.00	11.3	13.89
8	3000M08 21	3000M08 21-BE	9.00	14.3	16.89
10	3000M10 21	3000M10 21-BE	12.00	17.3	19.89
12	3000M12 21	3000M12 21-BE	15.00	20.3	22.89
14	3000M14 21	3000M14 21-BE	18.00	23.3	25.88
16	3000M16 21	3000M16 21-BE	21.00	26.3	28.88
18	3000M18 21	3000M18 21-BE	24.00	29.3	31.88
20	3000M20 21	3000M20 21-BE	27.00	32.3	34.87
22	3000M22 21	3000M22 21-BE	30.00	35.3	37.87
24	3000M24 21	3000M24 21-BE	33.00	38.3	40.87

Material

Part	Material / Finish
Housing	Glass-filled Nylon 66 94V-0, black color

※ Color Identification: the following alphabet shall be put,
 ex. 3000M 04 21 - S
 ex. 3000M 14 21 - R E
 14... Circuit no.
 S... white, R... red color

P.C. Board Layout / Assembly Layout



3.0 Pitch 3000 SERIES CONNECTOR



3.0 mm Pitch Wire-to-Board Connector



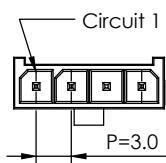
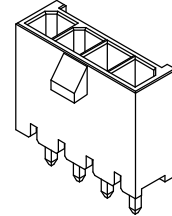
Specifications

- ◇ Current rating: 5A AC/DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 1500V AC/Minute
- ◇ Contact Resistance: 10 mΩ MAX. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

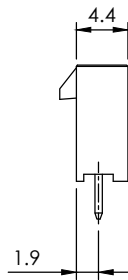
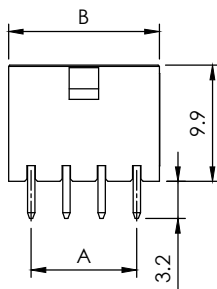
Reference

- ◇ Mates with 3000F series Single-row Plug Housing
- ◇ GWT 850° C rated product is available

3001P Single-Row DIP Header (Type-H)



Straight Type-H
0.64 Square Pin



Ordering Information

Circuits	Part No.	Dimension	
		A	B
2	3001P02 H1V	3.00	6.9
3	3001P03 H1V	6.00	9.9
4	3001P04 H1V	9.00	12.9
5	3001P05 H1V	12.00	15.9
6	3001P06 H1V	15.00	18.9
7	3001P07 H1V	18.00	21.9
8	3001P08 H1V	21.00	24.9
9	3001P09 H1V	24.00	27.9
10	3001P10 H1V	27.00	30.9
11	3001P11 H1V	30.00	33.9
12	3001P12 H1V	33.00	36.9

Material

Part	Material / Finish
Base	Glass-filled Nylon 66 94V-0, black color
Contact	Brass, Matte tin-plated

※ PART NUMBER ASSIGNMENT:

ex. 3001P XX H 1 X (Straight Type)

XX... Circuit Nos (PIN Numbers)

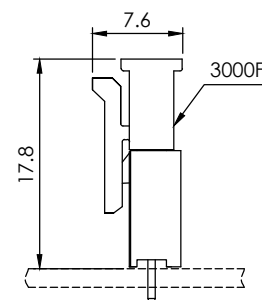
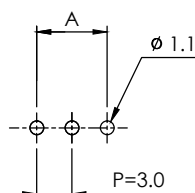
X... Plating Selection: 1... Gold flash, V... Matte Tin

※ Color Identification: the following alphabet shall be put,

ex. 3001P 06 H 1 X - R

06... Circuit no. R... red, E... blue color

P.C. Board Layout / Assembly Layout



3.0 Pitch 3000 SERIES CONNECTOR



3.0 mm Pitch Wire-to-Board Connector



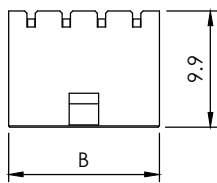
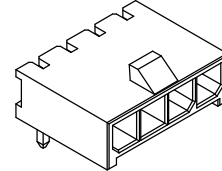
Specifications

- ◇ Current rating: 5A AC/DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 1500V AC/Minute
- ◇ Contact Resistance: 10 mΩ MAX. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

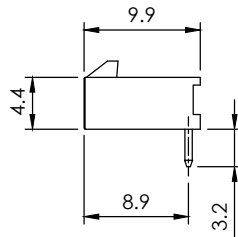
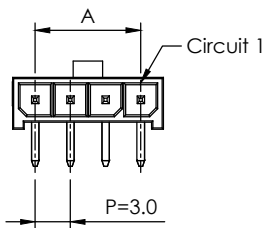
Reference

- ◇ Mates with 3000F series Single-row Plug Housing
- ◇ GWT 850° C rated product is available

3002P Single-Row DIP Header (Type-H)



Right-angle Type-H (W/O Peg)
0.64 Square Pin



Ordering Information HEAT SOLDER SERIES

Circuits	Part No.		Dimension	
	Without Peg	With Peg	A	B
2	3002P02 H1V	3002P02 H1V-SW	3.00	6.9
3	3002P03 H1V	3002P03 H1V-SW	6.00	9.9
4	3002P04 H1V	3002P04 H1V-SW	9.00	12.9
5	3002P05 H1V	3002P05 H1V-SW	12.00	15.9
6	3002P06 H1V	3002P06 H1V-SW	15.00	18.9
7	3002P07 H1V	3002P07 H1V-SW	18.00	21.9
8	3002P08 H1V	3002P08 H1V-SW	21.00	24.9
9	3002P09 H1V	3002P09 H1V-SW	24.00	27.9
10	3002P10 H1V	3002P10 H1V-SW	27.00	30.9
11	3002P11 H1V	3002P11 H1V-SW	30.00	33.9
12	3002P12 H1V	3002P12 H1V-SW	33.00	36.9

Material

Part	Material / Finish
Base	Glass-filled Nylon 66 94V-0, black color
Contact	Brass, Matte tin-plated

※ PART NUMBER ASSIGNMENT:

ex. 3002P XX H 1 X (Without Peg)

ex. 3002P XX H 1 X - SW (With Peg)

XX... Circuit Nos (PIN Numbers)

X... Plating Selection: 1... Gold flash, V... Matte Tin

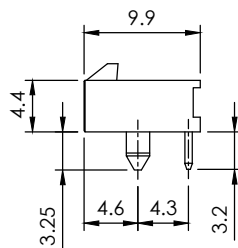
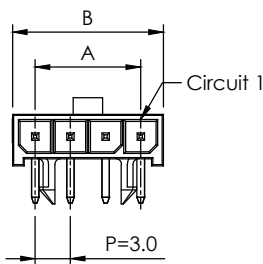
※ Color Identification: the following alphabet shall be put,

ex. 3002P 06 H 1 X - R

ex. 3002P 06 H 1 X - E W

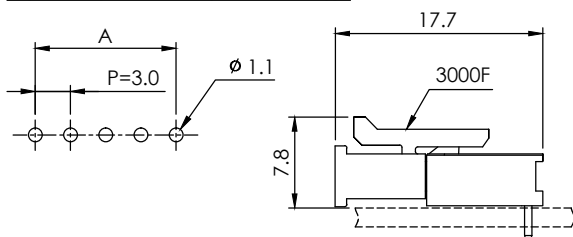
06... Circuit no. R... red, E... blue color

Right-angle Type-H (With Peg)
0.64 Square Pin

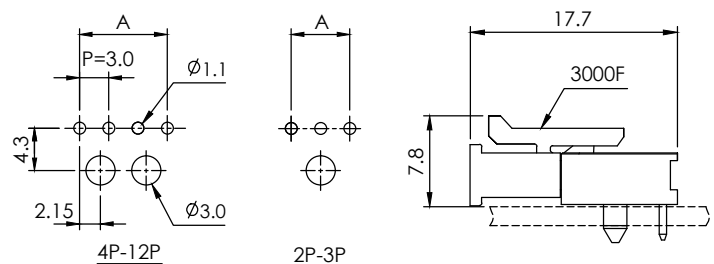


P.C. Board Layout / Assembly Layout

Right-angle Type-G (Without Peg)



Right-angle Type-G (Whit Peg)



3.0 Pitch 3000 SERIES CONNECTOR



3.0 mm Pitch Wire-to-Board Connector



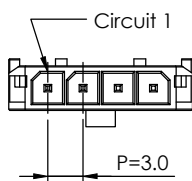
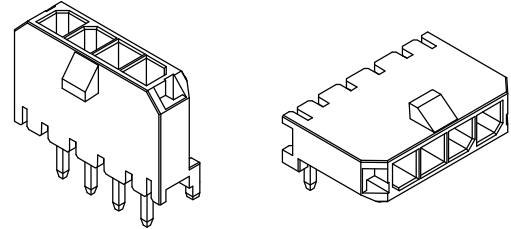
Specifications

- ◇ Current rating: 5A AC/DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 1500V AC/Minute
- ◇ Contact Resistance: 10 mΩ MAX. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

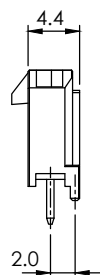
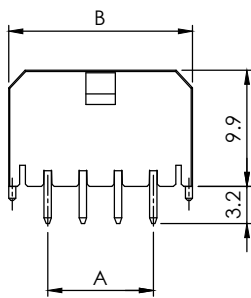
Reference

- ◇ Mates with 3000F series Single-row Plug Housing
- ◇ Certification: UL, TUV
- ◇ GWT 850° C rated product is available

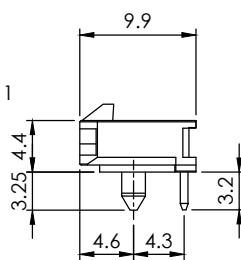
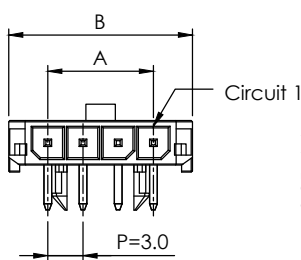
3001P, 3002P Single-Row DIP Header
(Type-1) High Temperature



Straight Type
0.64 Square Pin



Right-angle Type
0.64 Square Pin



Ordering Information

Circuits	Part No.		Dimension	
	Straight	Right Angle	A	B
2	3001P02 19V	3002P02 19V	3.00	9.7
3	3001P03 19V	3002P03 19V	6.00	12.7
4	3001P04 19V	3002P04 19V	9.00	15.7
5	3001P05 19V	3002P05 19V	12.00	18.7
6	3001P06 19V	3002P06 19V	15.00	21.7
7	3001P07 19V	3002P07 19V	18.00	24.7
8	3001P08 19V	3002P08 19V	21.00	27.7
9	3001P09 19V	3002P09 19V	24.00	30.7
10	3001P10 19V	3002P10 19V	27.00	33.7
11	3001P11 19V	3002P11 19V	30.00	36.7
12	3001P12 19V	3002P12 19V	33.00	39.7

Material

Part	Material / Finish
Base	High HDT Nylon-GF 94V-0, black color
Contact	Brass, Matte tin-plated

※ PART NUMBER ASSIGNMENT:

ex. 3001P XX 1 9 X (Straight Type)

ex. 3002P XX 1 9 X (Right-angle Type)

XX... Circuit Nos (PIN Numbers)

X... Plating Selection: 1... Gold flash, V... Matte Tin

※ Color Identification: the following alphabet shall be put,

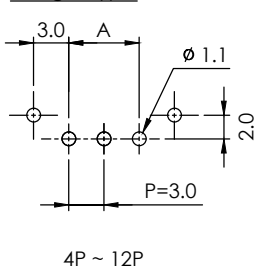
ex. 3001P 06 1 9 X - R

ex. 3002P 06 1 9 X - E

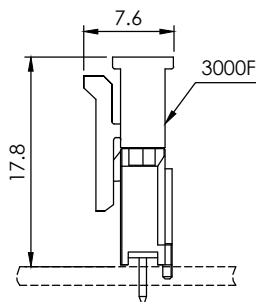
06... Circuit no. R... red, E... blue color

P.C. Board Layout / Assembly Layout

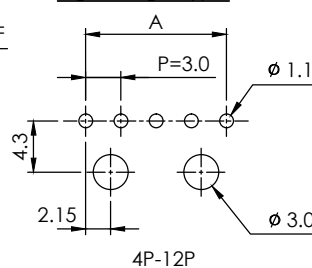
Straight Type



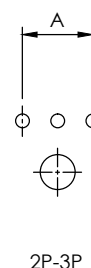
4P ~ 12P



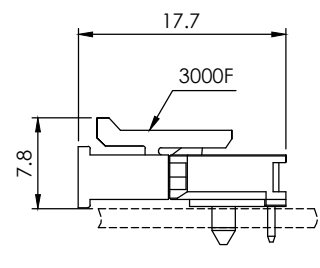
Right-angle Type



4P-12P



2P-3P



3.0 Pitch 3000 SERIES CONNECTOR



3.0 mm Pitch Wire-to-Board Connector



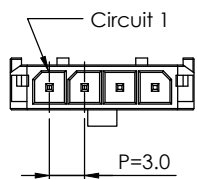
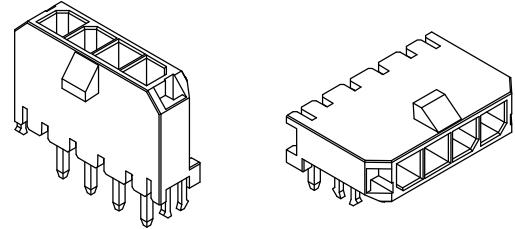
Specifications

- ◇ Current rating: 5A AC/DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 1500V AC/Minute
- ◇ Contact Resistance: 10 mΩ MAX. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

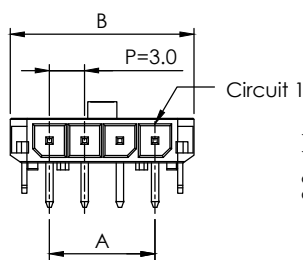
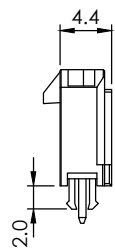
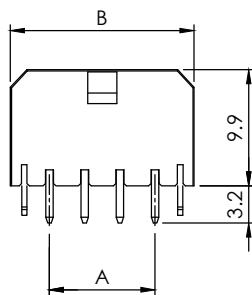
Reference

- ◇ Mates with 3000F series Single-row Plug Housing
- ◇ Certification: UL, TUV
- ◇ GWT 850° C rated product is available

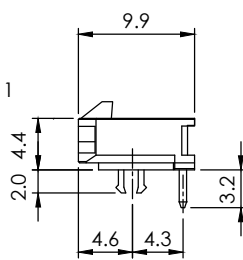
3001P, 3002P Single-Row DIP Header (Type-3) High Temperature



Straight Type
0.64 Square contact



Right-angle Type
0.64 Square contact



Ordering Information HEAT SOLDER SERIES

Circuits	Part No.		Dimension	
	Straight	Right Angle	A	B
2	3001P02 39V	3002P02 39V	3.00	9.7
3	3001P03 39V	3002P03 39V	6.00	12.7
4	3001P04 39V	3002P04 39V	9.00	15.7
5	3001P05 39V	3002P05 39V	12.00	18.7
6	3001P06 39V	3002P06 39V	15.00	21.7
7	3001P07 39V	3002P07 39V	18.00	24.7
8	3001P08 39V	3002P08 39V	21.00	27.7
9	3001P09 39V	3002P09 39V	24.00	30.7
10	3001P10 39V	3002P10 39V	27.00	33.7
11	3001P11 39V	3002P11 39V	30.00	36.7
12	3001P12 39V	3002P12 39V	33.00	39.7

Material

Part	Material / Finish
Base	High HDT Nylon-GF 94V-0, black color
Contact	Brass, Matte tin-plated
Metal peg	Brass, Matte tin-plated

※ PART NUMBER ASSIGNMENT:

ex. 3001P XX 3 9 X (Straight Type)

ex. 3002P XX 3 9 X (Right-angle Type)

XX... Circuit Nos (PIN Numbers),

X... Plating Selection: 1... Gold flash, V... Matte Tin

※ Color Identification: the following alphabet shall be put,

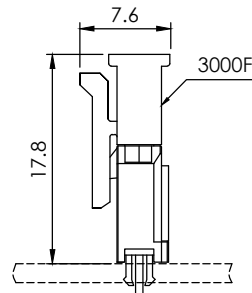
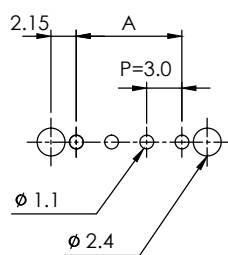
ex. 3001P 06 3 9 X - R

ex. 3002P 06 3 9 X - E

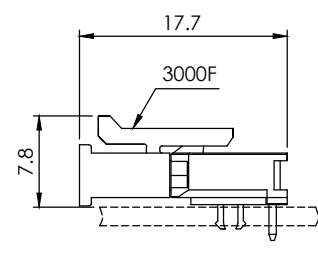
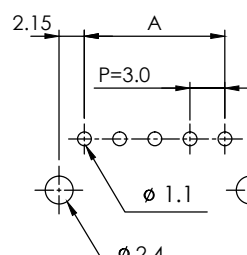
06... Circuit no. R... red, E... blue color

P.C. Board Layout / Assembly Layout

Straight Type



Right -angle Type



3.0 Pitch 3000 SERIES CONNECTOR



3.0 mm Pitch Wire-to-Board Connector



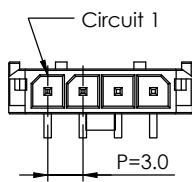
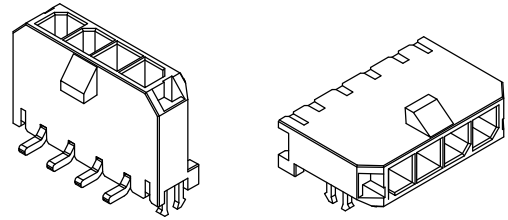
Specifications

- ◇ Current rating: 5A AC/DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 1500V AC/Minute
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

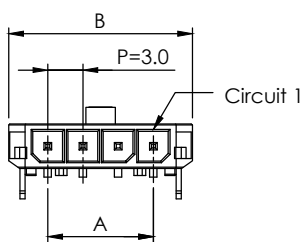
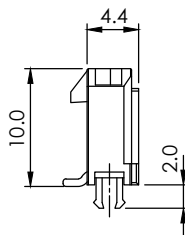
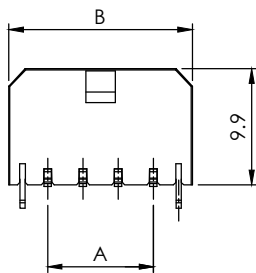
Reference

- ◇ Mates with 3000F series Single-row Plug Housing
- ◇ Certification: UL, TUV
- ◇ GWT 850° C rated product is available

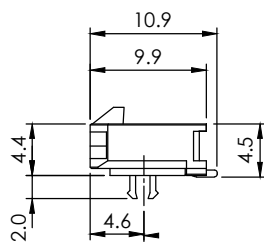
3001P, 3002P Single-Row SMT Header (Type-5) High Temperature



Straight Type
0.64 Square contact



Right-angle Type
0.64 Square contact



Ordering Information REFLOW SOLDERING SERIES

Circuits	Part No.		Dimension	
	Straight	Right Angle	A	B
2	3001P02 59V	3002P02 59V	3.00	9.7
3	3001P03 59V	3002P03 59V	6.00	12.7
4	3001P04 59V	3002P04 59V	9.00	15.7
5	3001P05 59V	3002P05 59V	12.00	18.7
6	3001P06 59V	3002P06 59V	15.00	21.7
7	3001P07 59V	3002P07 59V	18.00	24.7
8	3001P08 59V	3002P08 59V	21.00	27.7
9	3001P09 59V	3002P09 59V	24.00	30.7
10	3001P10 59V	3002P10 59V	27.00	33.7
11	3001P11 59V	3002P11 59V	30.00	36.7
12	3001P12 59V	3002P12 59V	33.00	39.7

Material

Part	Material / Finish
Base	High HDT Nylon-GF 94V-0, black color
Contact	Brass, Matte tin-plated
Metal peg	Brass, Matte tin-plated

※ PART NUMBER ASSIGNMENT:

- ex. 3001P XX 5 9 X (Straight Type)
- ex. 3002P XX 5 9 X (Right-angle Type)

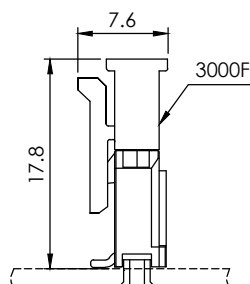
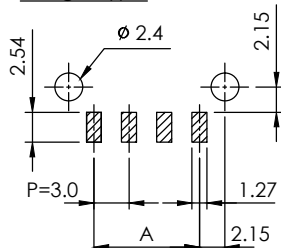
XX... Circuit Nos (PIN Numbers),
X... Plating Selection: 1... Gold flash, V... Matte Tin

※ Color Identification: the following alphabet shall be put,

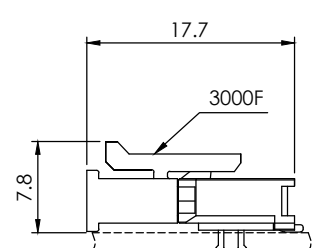
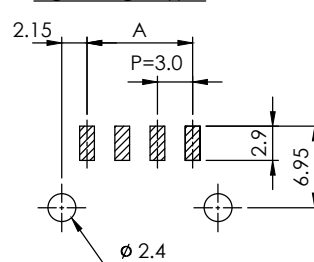
- ex. 3001P 06 5 9 X - R
- ex. 3002P 06 5 9 X - E
- 06... Circuit no. R... red, E... blue color

P.C. Board Layout / Assembly Layout

Straight Type



Right-angle Type



3.0 Pitch 3000 SERIES CONNECTOR



3.0 mm Pitch Wire-to-Board Connector



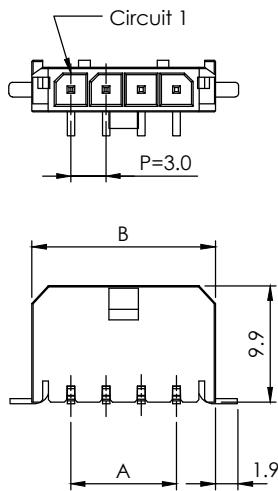
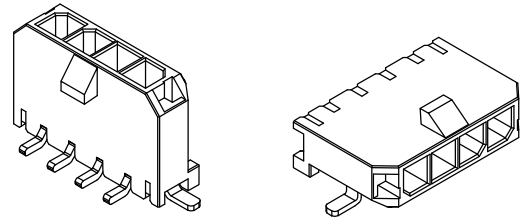
Specifications

- ◇ Current rating: 5A AC/DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 1500V AC/Minute
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

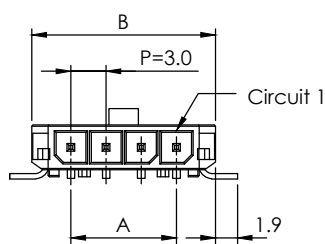
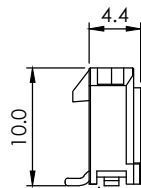
Reference

- ◇ Mates with 3000F series Single-row Plug Housing
- ◇ Certification: UL, TUV
- ◇ GWT 850° C rated product is available

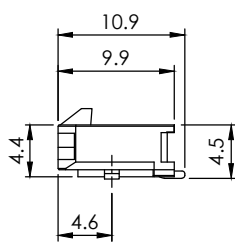
3001P, 3002P Single-Row SMT Header (Type-7) High Temperature



Straight Type
0.64 Square contact



Right-angle Type
0.64 Square contact



Ordering Information

REFLOW SOLDERING SERIES

Circuits	Part No.		Dimension		
	Straight	Right Angle	A	B	C
2	3001P02 79V	3002P02 79V	3.00	9.7	14.2
3	3001P03 79V	3002P03 79V	6.00	12.7	17.2
4	3001P04 79V	3002P04 79V	9.00	15.7	20.2
5	3001P05 79V	3002P05 79V	12.00	18.7	23.2
6	3001P06 79V	3002P06 79V	15.00	21.7	26.2
7	3001P07 79V	3002P07 79V	18.00	24.7	29.2
8	3001P08 79V	3002P08 79V	21.00	27.7	32.2
9	3001P09 79V	3002P09 79V	24.00	30.7	35.2
10	3001P10 79V	3002P10 79V	27.00	33.7	38.2
11	3001P11 79V	3002P11 79V	30.00	36.7	41.2
12	3001P12 79V	3002P12 79V	33.00	39.7	44.2

Material

Part	Material / Finish
Base	High HDT Nylon-GF 94V-0, black color
Contact	Brass, Matte tin-plated
Metal peg	Brass, Matte tin-plated

※ PART NUMBER ASSIGNMENT:

- ex. 3001P XX 7 9 X (Straight Type)
- ex. 3002P XX 7 9 X (Right-angle Type)

XX... Circuit Nos (PIN Numbers)

X... Plating Selection: 1... Gold flash, V... Matte Tin

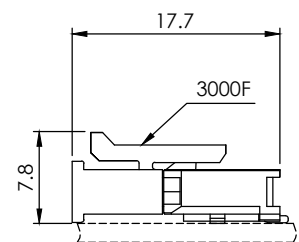
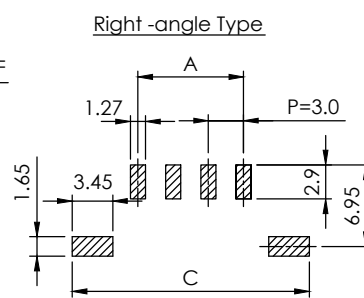
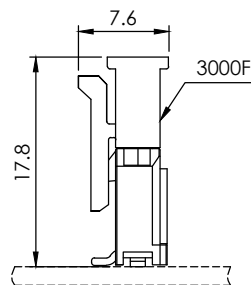
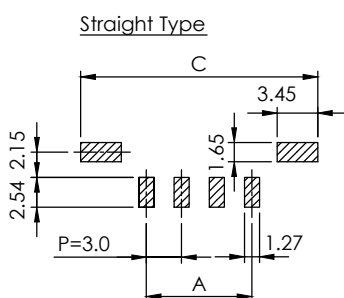
※ Color Identification: the following alphabet shall be put:

- ex. 3001P 06 7 9 X - R
 - ex. 3002P 06 7 9 X - E
- 06... Circuit no. R... red, E... blue color

※ SMT Embossed Tape Packing Information:

Q' ty per 330 mm Dia. Panel: 250 pcs/Reel (3001P), 400 pcs/Reel (3002P)

P.C. Board Layout / Assembly Layout



3.0 Pitch 3000 SERIES CONNECTOR



3.0 mm Pitch Wire-to-Board Connector



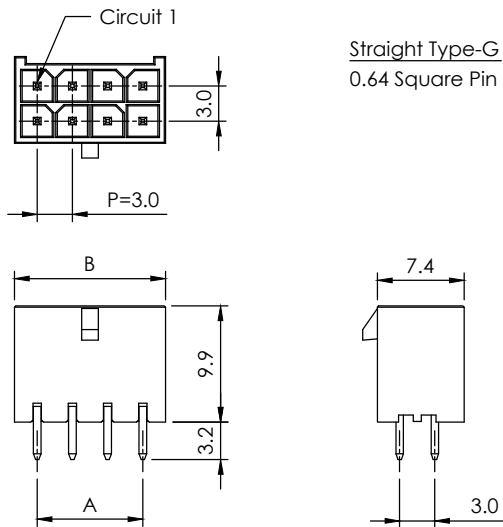
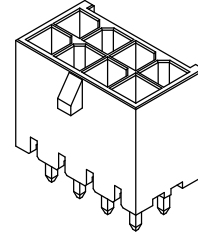
Specifications

- ◇ Current rating: 5A AC/DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 1500V AC/Minute
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Mates with 3000F series dual-row Plug Housing
- ◇ GWT 850° C rated product is available

3001P Dual-Row DIP Header (Type-G)



Ordering Information HEAT SOLDER SERIES

Circuits	Part No.	Dimension	
		A	B
2	3001P02 G1V	NA	3.9
4	3001P04 G1V	3.00	6.9
6	3001P06 G1V	6.00	9.9
8	3001P08 G1V	9.00	12.9
10	3001P10 G1V	12.00	15.9
12	3001P12 G1V	15.00	18.9
14	3001P14 G1V	18.00	21.9
16	3001P16 G1V	21.00	24.9
18	3001P18 G1V	24.00	27.9
20	3001P20 G1V	27.00	30.9
22	3001P22 G1V	30.00	33.9
24	3001P24 G1V	33.00	36.9

Material

Part	Material / Finish
Base	Glass-filled Nylon 66 94V-0, black color
Contact	Brass, Matte tin-plated

※ PART NUMBER ASSIGNMENT:

ex. 3001P XX G 1 X (Straight Type)

XX... Circuit Nos (PIN Numbers)

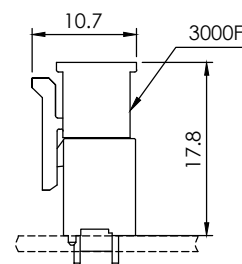
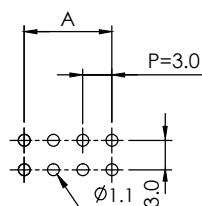
X... Plating Selection: 1... Gold flash, V... Matte Tin

※ Color Identification: the following alphabet shall be put,

ex. 3001P 06 G 1 X - R

06... Circuit no. R... red, E... blue color

P.C. Board Layout / Assembly Layout



3.0 Pitch 3000 SERIES CONNECTOR



3.0 mm Pitch Wire-to-Board Connector



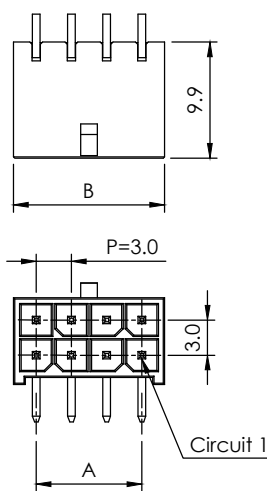
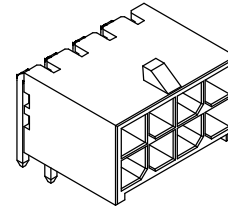
3002P Dual-Row DIP Header (Type-G)

Specifications

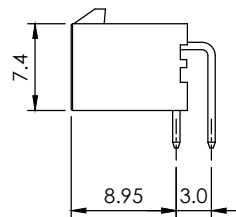
- ◇ Current rating: 5A AC/DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 1500V AC/Minute
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Mates with 3000F series dual-row Plug Housing
- ◇ GWT 850° C rated product is available



Right-angle Type-G (W/O Peg)
0.64 Square Pin



Ordering Information

Circuits	Part No.		Dimension	
	Without Peg	With Peg	A	B
2	3002P02 G1V	3002P02 G1V-SW	NA	3.9
4	3002P04 G1V	3002P04 G1V-SW	3.00	6.9
6	3002P06 G1V	3002P06 G1V-SW	6.00	9.9
8	3002P08 G1V	3002P08 G1V-SW	9.00	12.9
10	3002P10 G1V	3002P10 G1V-SW	12.00	15.9
12	3002P12 G1V	3002P12 G1V-SW	15.00	18.9
14	3002P14 G1V	3002P14 G1V-SW	18.00	21.9
16	3002P16 G1V	3002P16 G1V-SW	21.00	24.9
18	3002P18 G1V	3002P18 G1V-SW	24.00	27.9
20	3002P20 G1V	3002P20 G1V-SW	27.00	30.9
22	3002P22 G1V	3002P22 G1V-SW	30.00	33.9
24	3002P24 G1V	3002P24 G1V-SW	33.00	36.9

HEAT SOLDER SERIES

Material

Part	Material / Finish
Base	Glass-filled Nylon 66 94V-0, black color
Contact	Brass, Matte tin-plated

※ PART NUMBER ASSIGNMENT:

ex. 3002P XX G 1 X (Without Peg)

ex. 3002P XX G 1 X - SW (With Peg)

XX... Circuit Nos (PIN Numbers)

X... Plating Selection: 1... Gold flash, V... Matte Tin

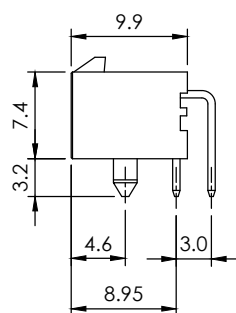
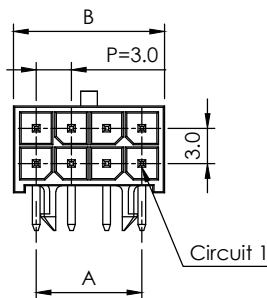
※ Color Identification: the following alphabet shall be put,

ex. 3002P 06 G 1 X - R

ex. 3002P 06 G 1 X - E W

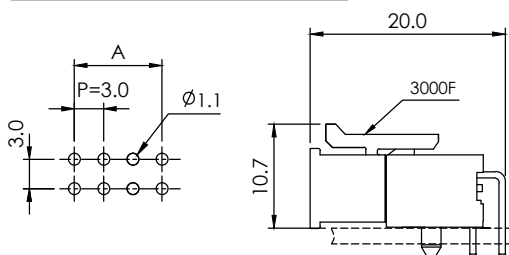
06... Circuit no. R... red, E... blue color

Right-angle Type-G(With Peg)
0.64 Square Pin

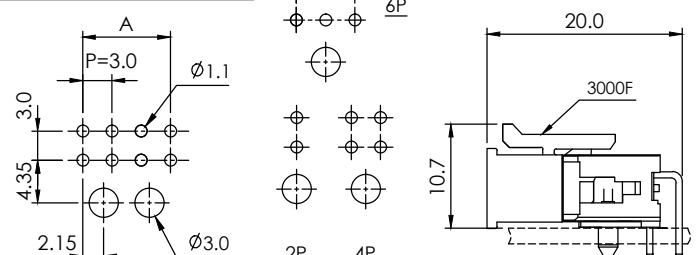


P.C. Board Layout / Assembly Layout

Right -angle Type-G (Without Peg)



Right -angle Type-G (With Peg)



3.0 Pitch 3000 SERIES CONNECTOR



3.0 mm Pitch Wire-to-Board Connector



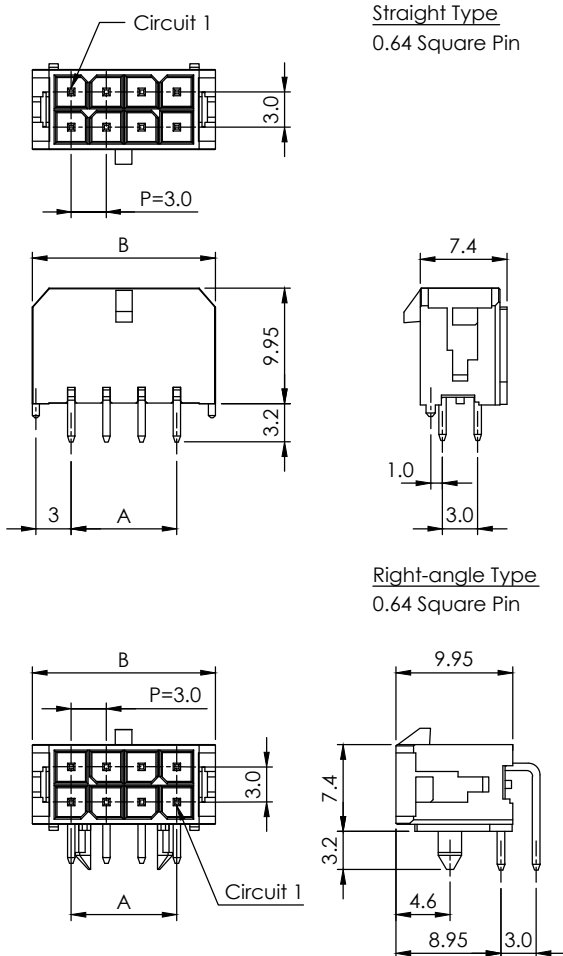
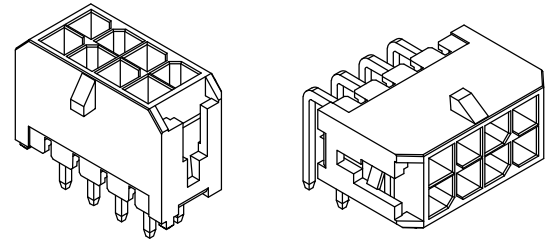
Specifications

- ◇ Current rating: 5A AC/DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 1500V AC/Minute
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Mates with 3000F series dual-row Plug Housing
- ◇ Certification: UL, TUV
- ◇ GWT 850° C rated product is available

3001P, 3002P Dual-Row DIP Header (Type-2) High Temperature



Ordering Information HEAT SOLDER SERIES

Circuits	Part No.		Dimension	
	Straight	Right Angle	A	B
2	3001P02 29V	3002P02 29V	NA	6.7
4	3001P04 29V	3002P04 29V	3.00	9.7
6	3001P06 29V	3002P06 29V	6.00	12.7
8	3001P08 29V	3002P08 29V	9.00	15.7
10	3001P10 29V	3002P10 29V	12.00	18.7
12	3001P12 29V	3002P12 29V	15.00	21.7
14	3001P14 29V	3002P14 29V	18.00	24.7
16	3001P16 29V	3002P16 29V	21.00	27.7
18	3001P18 29V	3002P18 29V	24.00	30.7
20	3001P20 29V	3002P20 29V	27.00	33.7
22	3001P22 29V	3002P22 29V	30.00	36.7
24	3001P24 29V	3002P24 29V	33.00	39.7

Material

Part	Material / Finish
Base	High HDT Nylon-GF 94V-0, black color
Contact	Brass, Matte tin-plated

※ PART NUMBER ASSIGNMENT:

ex. 3001P XX 2 9 X (Straight Type)

ex. 3002P XX 2 9 X (Right-angle Type)

XX... Circuit Nos (PIN Numbers)

X... Plating Selection: 1... Gold flash, V... Matte Tin

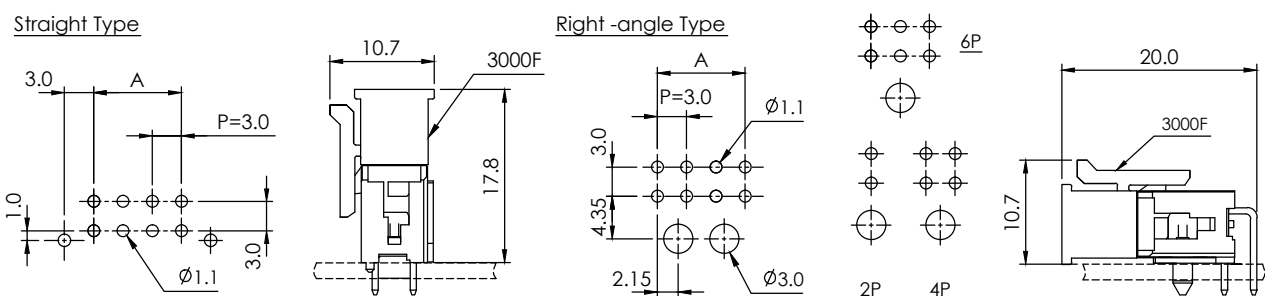
※ Color Identification: the following alphabet shall be put,

ex. 3001P 06 2 9 X - R

ex. 3002P 06 2 9 X - E

06... Circuit no. R... red, E... blue color

P.C. Board Layout / Assembly Layout



3.0 Pitch 3000 SERIES CONNECTOR



3.0 mm Pitch Wire-to-Board Connector



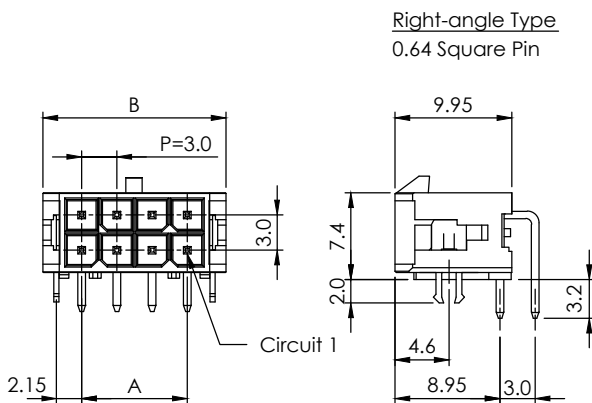
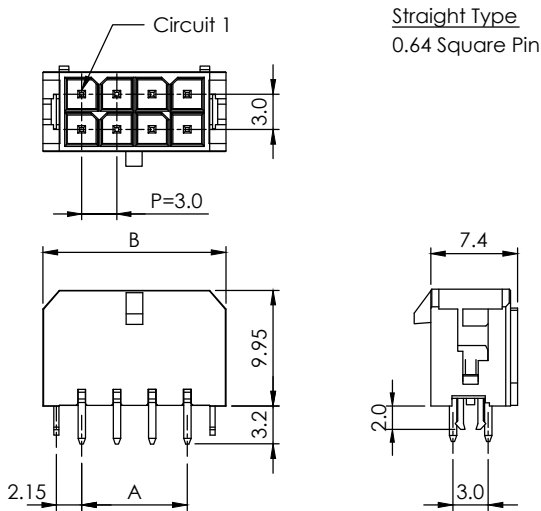
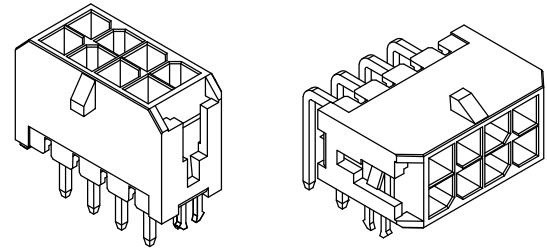
Specifications

- ◇ Current rating: 5A AC/DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 1500V AC/Minute
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Mates with 3000F series dual-row Plug Housing
- ◇ Certification: UL, TUV
- ◇ GWT 850° C rated product is available

3001P, 3002P Dual-Row DIP Header (Type-4) High Temperature



Ordering Information HEAT SOLDER SERIES

Circuits	Part No.		Dimension	
	Straight	Right Angle	A	B
2	3001P02 49V	3002P02 49V	NA	6.7
4	3001P04 49V	3002P04 49V	3.00	9.7
6	3001P06 49V	3002P06 49V	6.00	12.7
8	3001P08 49V	3002P08 49V	9.00	15.7
10	3001P10 49V	3002P10 49V	12.00	18.7
12	3001P12 49V	3002P12 49V	15.00	21.7
14	3001P14 49V	3002P14 49V	18.00	24.7
16	3001P16 49V	3002P16 49V	21.00	27.7
18	3001P18 49V	3002P18 49V	24.00	30.7
20	3001P20 49V	3002P20 49V	27.00	33.7
22	3001P22 49V	3002P22 49V	30.00	36.7
24	3001P24 49V	3002P24 49V	33.00	39.7

Material

Part	Material / Finish
Base	High HDT Nylon-GF 94V-0, black color
Contact	Brass, Matte tin-plated
Metal peg	Brass, Matte tin-plated

※ PART NUMBER ASSIGNMENT:

ex. 3001P XX 4 9 X (Straight Type)

ex. 3002P XX 4 9 X (Right-angle Type)

XX... Circuit Nos (PIN Numbers)

X... Plating Selection: 1... Gold flash, V... Matte Tin

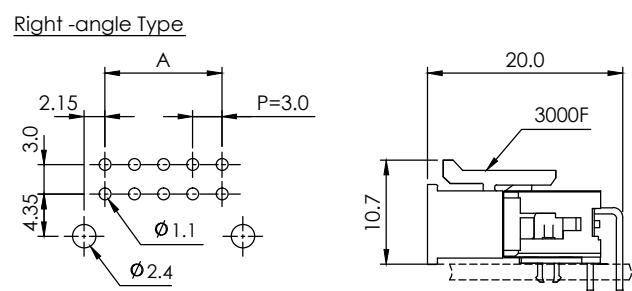
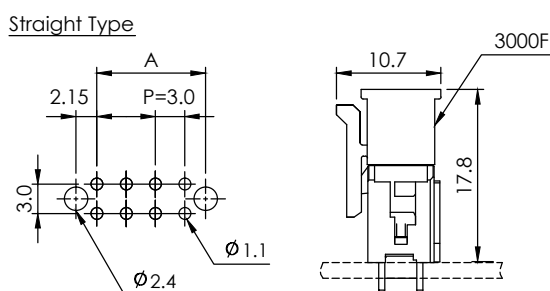
※ Color Identification: the following alphabet shall be put;

ex. 3001P 06 4 9 X - R

ex. 3002P 06 4 9 X - E

06... Circuit no. R... red, E... blue color

P.C. Board Layout / Assembly Layout



3.0 Pitch 3000 SERIES CONNECTOR



3.0 mm Pitch Wire-to-Board Connector



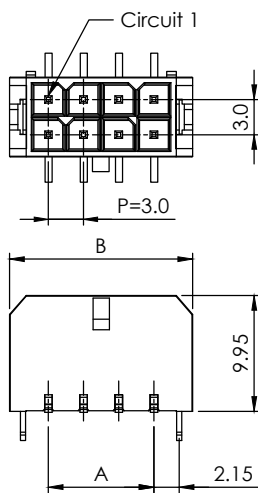
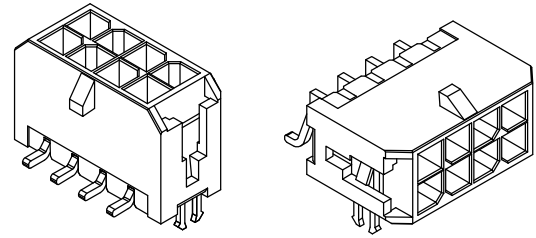
Specifications

- ◇ Current rating: 5A AC/DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 1500V AC/Minute
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

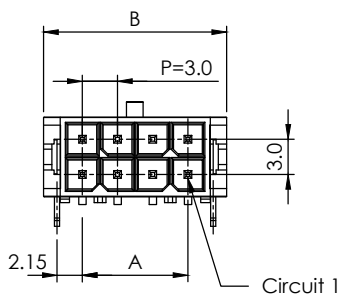
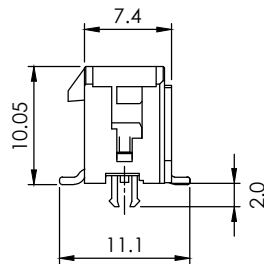
Reference

- ◇ Mates with 3000F series dual-row Plug Housing
- ◇ Certification: UL, TUV
- ◇ GWT 850° C rated product is available

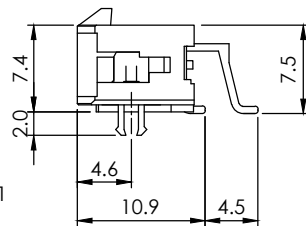
3001P, 3002P Dual-Row SMT Header (Type-6) High Temperature



Straight Type
0.64 Square contact



Right-angle Type
0.64 Square contact



Ordering Information REFLOW SOLDERING SERIES

Circuits	Part No.		Dimension	
	Straight	Right Angle	A	B
2	3001P02 69V	3002P02 69V	NA	6.7
4	3001P04 69V	3002P04 69V	3.00	9.7
6	3001P06 69V	3002P06 69V	6.00	12.7
8	3001P08 69V	3002P08 69V	9.00	15.7
10	3001P10 69V	3002P10 69V	12.00	18.7
12	3001P12 69V	3002P12 69V	15.00	21.7
14	3001P14 69V	3002P14 69V	18.00	24.7
16	3001P16 69V	3002P16 69V	21.00	27.7
18	3001P18 69V	3002P18 69V	24.00	30.7
20	3001P20 69V	3002P20 69V	27.00	33.7
22	3001P22 69V	3002P22 69V	30.00	36.7
24	3001P24 69V	3002P24 69V	33.00	39.7

Material

Part	Material / Finish
Base	High HDT Nylon-GF 94V-0, black color
Contact	Brass, Matte tin-plated
Metal peg	Brass, Matte tin-plated

※ PART NUMBER ASSIGNMENT:

ex. 3001P XX 6 9 X (Straight Type)

ex. 3002P XX 6 9 X (Right-angle Type)

XX... Circuit Nos (PIN Numbers)

X... Plating Selection: 1... Gold flash, V... Matte Tin

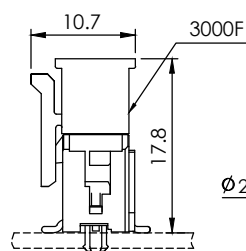
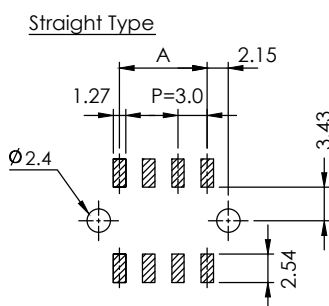
※ Color Identification: the following alphabet shall be put,

ex. 3001P 06 6 9 X - R

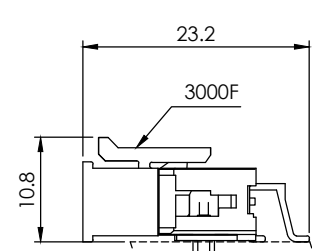
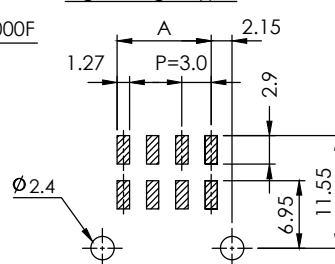
ex. 3002P 06 6 9 X - E

06... Circuit no. R... red, E... blue color

P.C. Board Layout / Assembly Layout



Right-angle Type



3.0 Pitch 3000 SERIES CONNECTOR



3.0 mm Pitch Wire-to-Board Connector



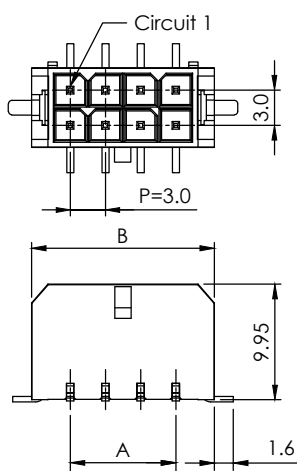
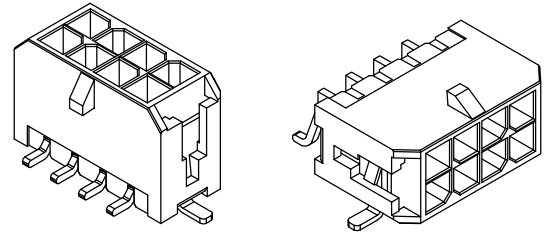
Specifications

- ◇ Current rating: 5A AC/DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 1500V AC/Minute
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

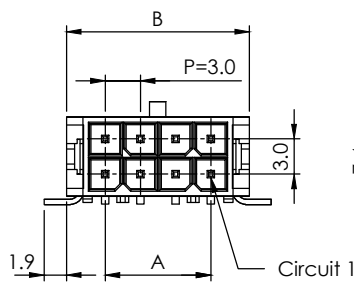
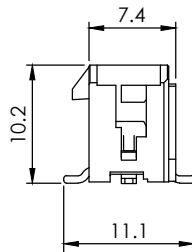
Reference

- ◇ Mates with 3000F series dual-row Plug Housing
- ◇ Certification: UL, TUV
- ◇ GWT 850° C rated product is available

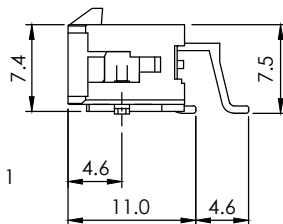
3001P, 3002P Dual-Row SMT Header (Type-8) High Temperature



Straight Type
0.64 Square contact



Right-angle Type
0.64 Square contact



Ordering Information

REFLOW SOLDERING SERIES

Circuits	Part No.		Dimension		
	Straight	Right Angle	A	B	C
2	3001P02 89V	3002P02 89V	NA	6.7	11.2
4	3001P04 89V	3002P04 89V	3.00	9.7	14.2
6	3001P06 89V	3002P06 89V	6.00	12.7	17.2
8	3001P08 89V	3002P08 89V	9.00	15.7	20.2
10	3001P10 89V	3002P10 89V	12.00	18.7	23.2
12	3001P12 89V	3002P12 89V	15.00	21.7	26.2
14	3001P14 89V	3002P14 89V	18.00	24.7	29.2
16	3001P16 89V	3002P16 89V	21.00	27.7	32.2
18	3001P18 89V	3002P18 89V	24.00	30.7	35.2
20	3001P20 89V	3002P20 89V	27.00	33.7	38.2
22	3001P22 89V	3002P22 89V	30.00	36.7	41.2
24	3001P24 89V	3002P24 89V	33.00	39.7	44.2

Material

Part	Material / Finish
Base	High HDT Nylon-GF 94V-0, black color
Contact	Brass, Matte tin-plated
Metal peg	Brass, Matte tin-plated

※ PART NUMBER ASSIGNMENT:

ex. 3001P XX 8 9 X (Straight Type)

ex. 3002P XX 8 9 X (Right-angle Type)

XX... Circuit Nos (PIN Numbers)

X... Plating Selection: 1... Gold flash, V... Matte Tin

※ Color Identification: the following alphabet shall be put:

ex. 3001P 06 8 9 X - R

ex. 3002P 06 8 9 X - E

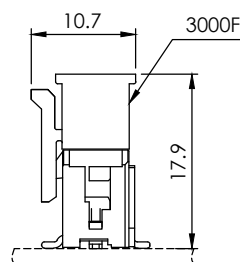
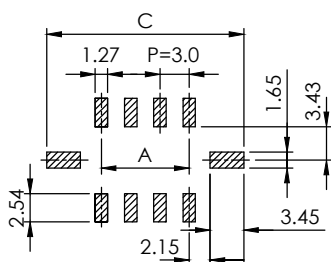
06... Circuit no. R... red, E... blue color

※ SMT Embossed Tape Packing Information:

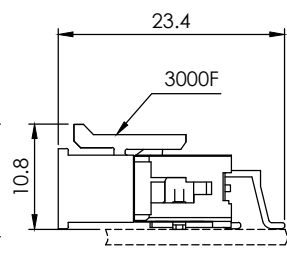
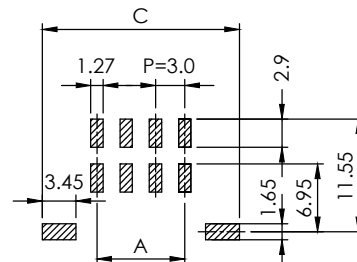
Q' ty per 330 mm Dia. Panel: 250 pcs/Reel (3001P), 250 pcs/Reel (3002P)

P.C. Board Layout / Assembly Layout

Straight Type



Right -angle Type



3.0 Pitch 3000 SERIES CONNECTOR



3.0 mm Pitch Wire-to-Board Connector



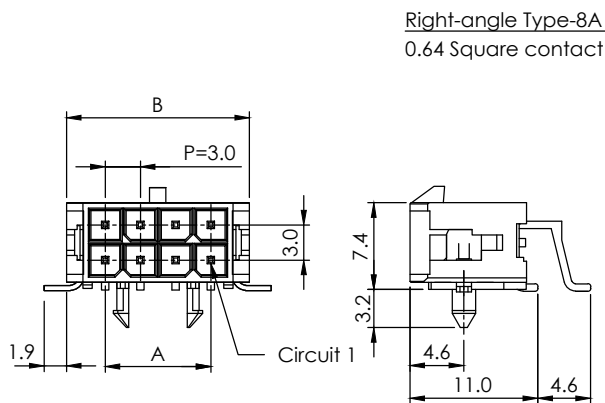
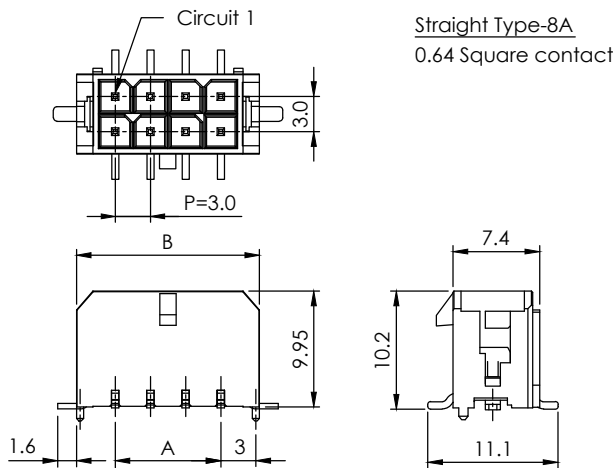
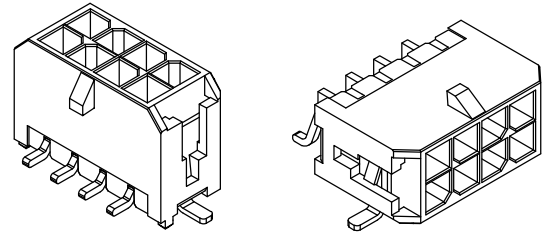
Specifications

- ◇ Current rating: 5A AC/DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 1500V AC/Minute
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Mates with 3000F series dual-row Plug Housing
- ◇ Certification: refer to 3000F series
- ◇ GWT 850° C rated product is available

3001P, 3002P Dual-Row SMT Header (Type 8A) High Temperature



Ordering Information

REFLOW SOLDERING SERIES

Circuits	Part No.		Dimension		
	Straight	Right Angle	A	B	C
2	3001P02 8A9V	3002P02 8A9V	NA	6.7	11.2
4	3001P04 8A9V	3002P04 8A9V	3.00	9.7	14.2
6	3001P06 8A9V	3002P06 8A9V	6.00	12.7	17.2
8	3001P08 8A9V	3002P08 8A9V	9.00	15.7	20.2
10	3001P10 8A9V	3002P10 8A9V	12.00	18.7	23.2
12	3001P12 8A9V	3002P12 8A9V	15.00	21.7	26.2
14	3001P14 8A9V	3002P14 8A9V	18.00	24.7	29.2
16	3001P16 8A9V	3002P16 8A9V	21.00	27.7	32.2
18	3001P18 8A9V	3002P18 8A9V	24.00	30.7	35.2
20	3001P20 8A9V	3002P20 8A9V	27.00	33.7	38.2
22	3001P22 8A9V	3002P22 8A9V	30.00	36.7	41.2
24	3001P24 8A9V	3002P24 8A9V	33.00	39.7	44.2

Material

Part	Material / Finish
Base	High HDT Nylon-GF 94V-0, black color
Contact	Brass, Matte tin-plated
Metal peg	Brass, Matte tin-plated

※ PART NUMBER ASSIGNMENT:

ex. 3001P XX 8A 9 X (Straight Type)

ex. 3002P XX 8A 9 X (Right-angle Type)

XX... Circuit Nos (PIN Numbers)

X... Plating Selection: 1... Gold flash, V... Matte Tin

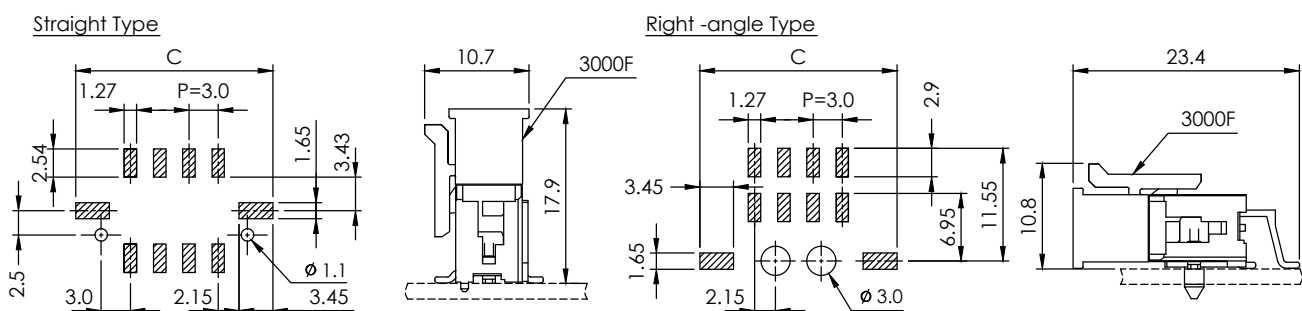
※ Color Identification: the following alphabet shall be put,

ex. 3001P 06 8A 9 X - R

ex. 3002P 06 8A 9 X - E

06... Circuit no. R... red, E... blue color

P.C. Board Layout / Assembly Layout



BATTERY CONNECTOR



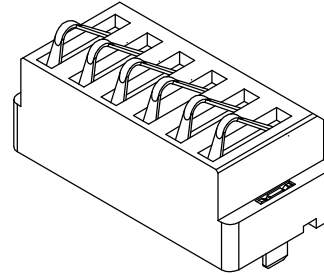
3.00 mm Pitch BATTERY CONNECTOR



■ Specifications

- ◇ Current rating: 2A DC MAX.
- ◇ Voltage Range: 30V DC
- ◇ Withstand Voltage: 250V AC/Minute
- ◇ Contact Resistance: 25 mΩ Max. before environment test
- ◇ Insulation Resistance: 500 MΩ Min.
- ◇ Temperature Range: -40° C to 125° C

65003P BATTERY SMT Header



P/N: 65003P06A51

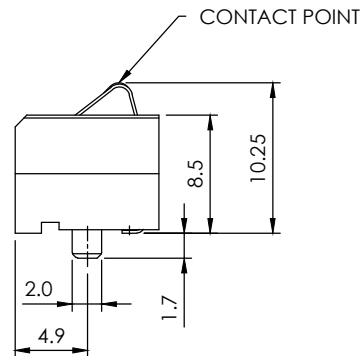
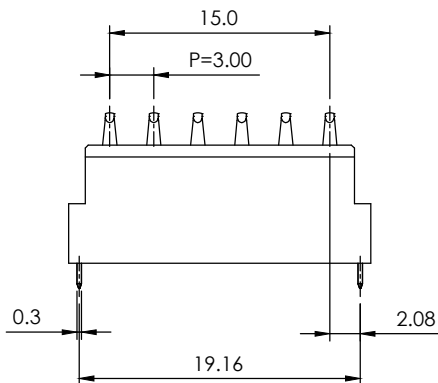
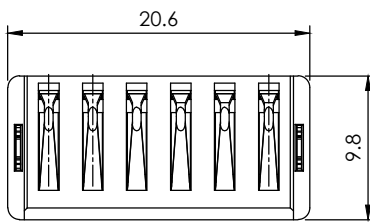
Part	Material/Finish
Base	LCP 94V-0, Black Color
Contact	Copper Alloy, Gold Flash-Plated

※ PART NUMBER ASSIGNMENT:

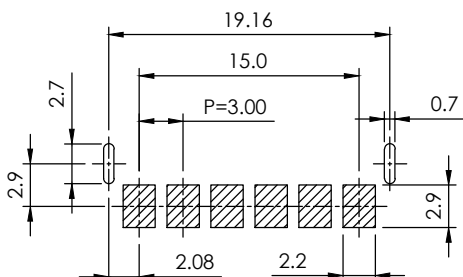
ex. 65003P XX A5 X

XX... Circuit Nos

X... Plating Selection: 1... Gold - plated



P.C. Board Layout / Assembly Layout



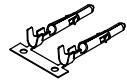
3.68 - 3.96 Pitch SERIES



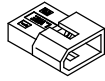
3.68 - 3.96 mm Pitch Connectors - Application Overview

RoHS REACH LF HFA

Pitch 3.68 mm / Wire-to-Board, Wire-to-Wire (3680 Series)



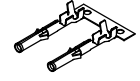
3683TM



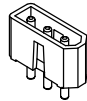
3680M Type-1



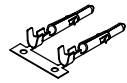
3680F Type-1



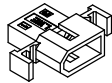
3683TF



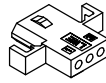
3681P



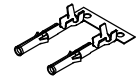
3683TM



3680M

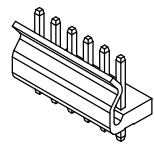


3680F

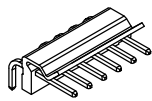


3683TF

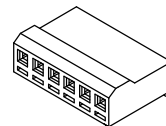
Pitch 3.96 mm / Wire-to-Board (3060 Series)



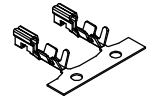
3061P



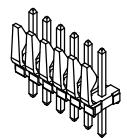
3062P



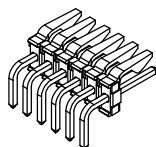
3060S Type-2



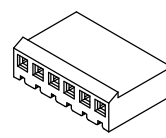
7503T



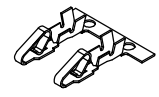
3061P Type-C



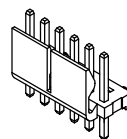
3062P Type-C



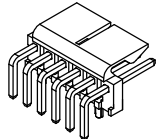
3060S Type-0



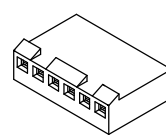
3360T01



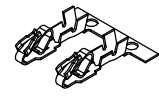
3061P Type-A



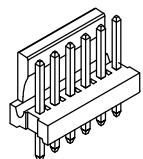
3062P Type-A



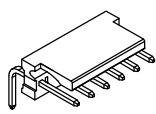
3060S Type-C



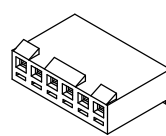
3360T02



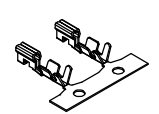
3061P Type-E



3062P Type-E



3060S Type-2C



7503T

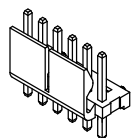
3.68 - 3.96 Pitch SERIES



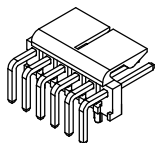
3.68 - 3.96 mm Pitch Connectors - Application Overview

RoHS REACH LF HFA

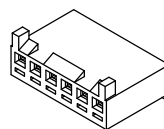
Pitch 3.96 mm / Wire-to-Board (3060 Series)



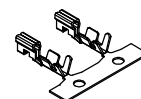
3061P Type-A



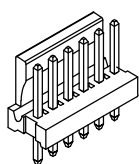
3062P Type-A



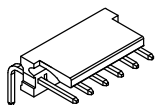
3060S Type-2D



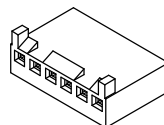
7503T



3061P Type-E



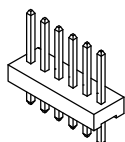
3062P Type-E



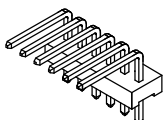
3060S Type-D



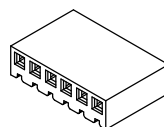
3360T02



3161P



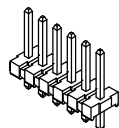
3162P



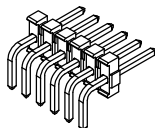
3060S Type-1



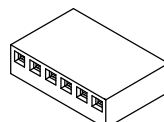
3360T01



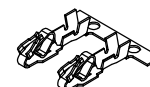
3161P Type-1



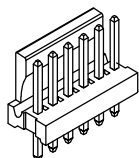
3162P Type-1



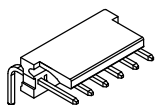
3060S Type-N



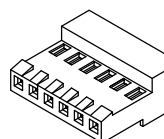
3360T02



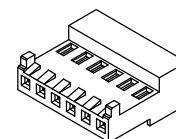
3061P Type-E



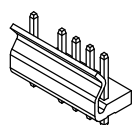
3062P Type-E



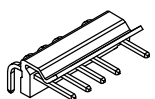
3360R Type-1



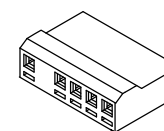
3360R Type-2



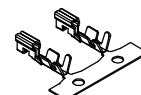
3061P (Pin-2 void)



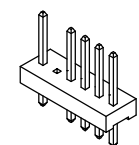
3062P (Pin-2 void)



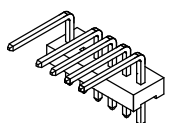
3060S Type-A



7503T



3161P (Pin-2 void)



3162P (Pin-2 void)

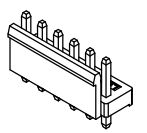
3.68 - 3.96 Pitch SERIES



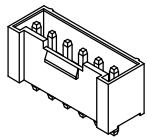
3.68 - 3.96 mm Pitch Connectors - Application Overview

RoHS REACH LF HFA

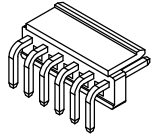
Pitch 3.96 mm / Wire-to-Board (3960 Series)



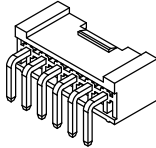
3961P Header



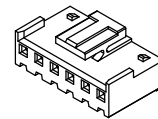
3961P Type-1



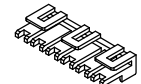
3962P Header



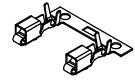
3962P Type-1



3960S Housing

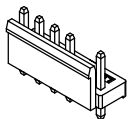


3960A (T.P.A.)

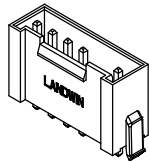


3963T

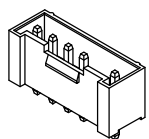
Pitch 3.96 mm / Wire-to-Board (High Temperature Series)



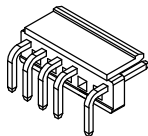
3961P (Type-N2)



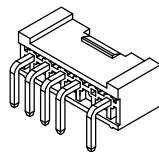
3961P Type-3 N2



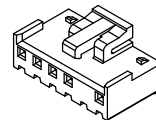
3961P Type-1 N2



3962P (Type-N2)



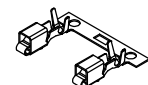
3962P Type-1 N2



3960S Type-A
(Pin-2 Void)

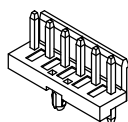


3960A (T.P.A.)

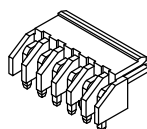


3963T

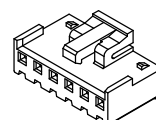
Pitch 3.96 mm / Wire-to-Board (3960 HCCS Series)



3961P Type-D



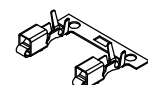
3962P Type-D



3960S Type-XA



3960A (T.P.A.)



3963T

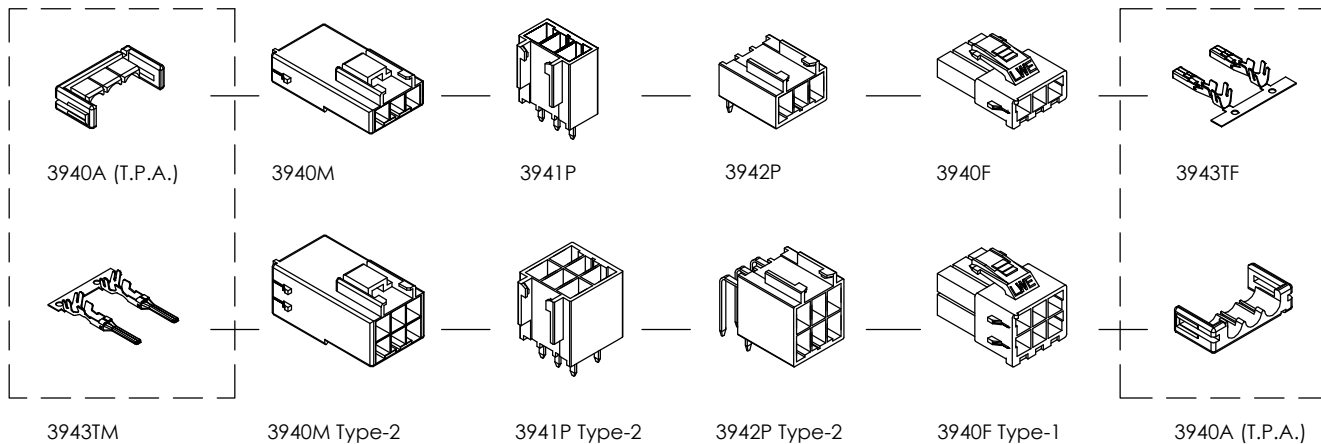
3.68 - 3.96 Pitch SERIES



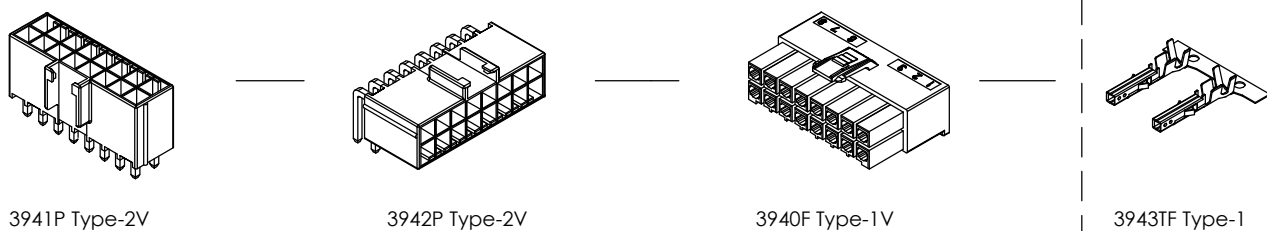
3.68 - 3.96 mm Pitch Connectors - Application Overview

RoHS REACH LF HFA

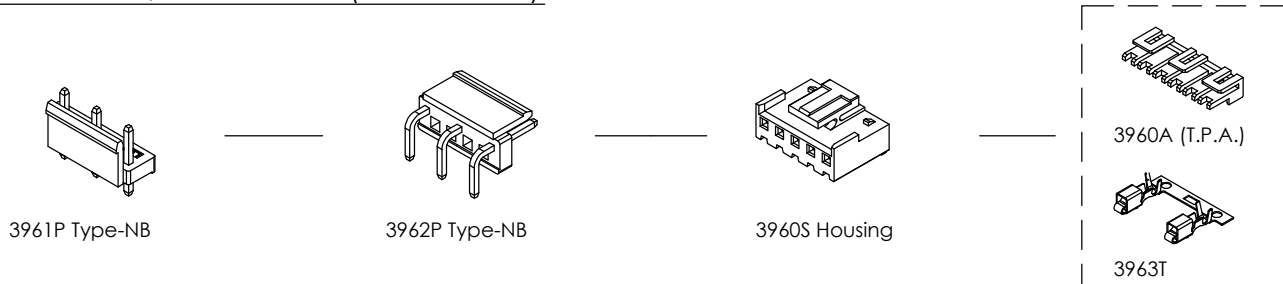
Pitch 3.96 mm / Wire-to-Board, Wire-to-Wire (3940 Series)



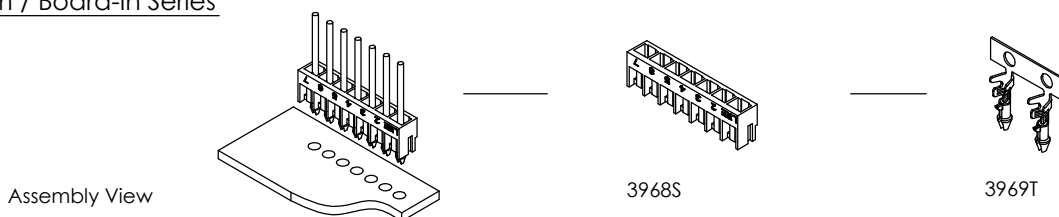
Pitch 3.96 mm / Wire-to-Board (3940 Dual-Row Series)



Pitch 7.92 mm / Wire-to-Board (3960 NB Series)



Pitch 3.96 mm / Board-In Series



3.68 Pitch 3680 SERIES CONNECTOR



3.68 mm Pitch Wire-to-Wire, Wire-to-Board Connector

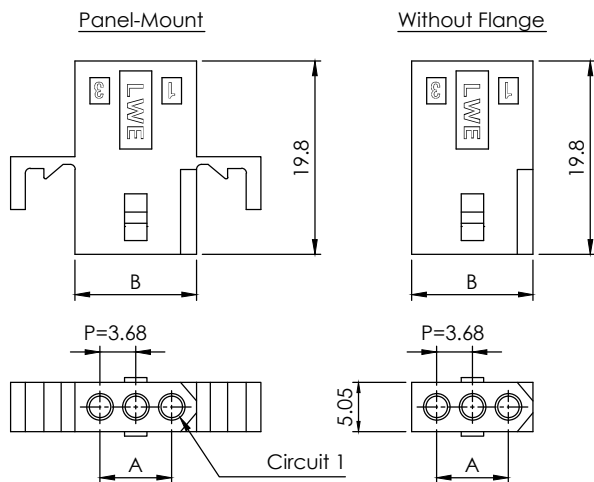


Specifications

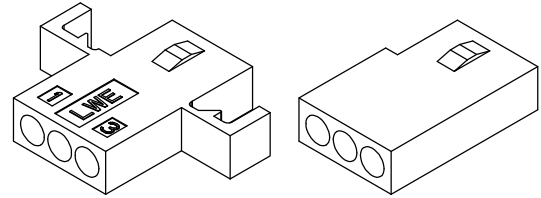
- ◇ Current rating: 6A AC/DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 1000V AC/Minute
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -55° C to 105° C

Reference

- ◇ Mates with 3680M Series Receptacle Housing, 3681P Series Header
- ◇ Use with 3683TF Series Crimp Terminal
- ◇ Certifications: UL
- ◇ Applicable wire gauge: AWG 18 - 24



3680F Plug Housing



Ordering Information

PIN Nos	Part No.		Dimension			
	Panel-Mount	W/O Flange	A	B	D1	E1
2	3680F02 02	3680F02 12	3.68	8.64	6.7	12.8
3	3680F03 02	3680F03 12	7.36	12.45	6.7	16.5
4	3680F04 02	3680F04 12	11.04	16.13	6.6	20.0

Material

Part	Material / Finish
Housing	Nylon 66 94V-2, white (natural color)

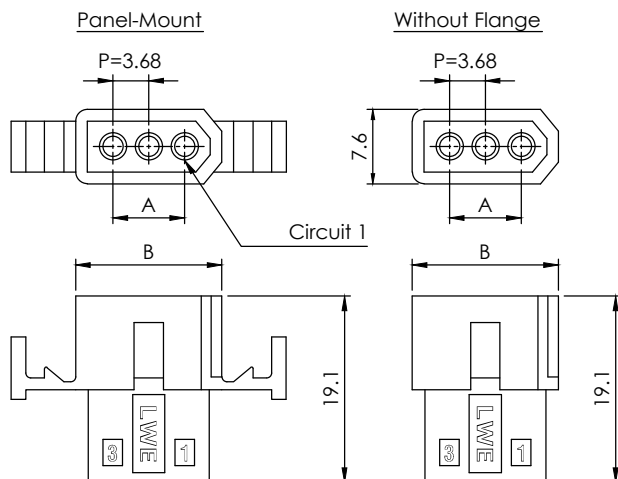
※ Color Identification: the following alphabet shall be put,
 ex. 3680F 04 02 - R
 ex. 3680F 04 12 - E
 04... Circuit no.,
 Color no.: R... Red, E... Blue, B... Black color

Specifications

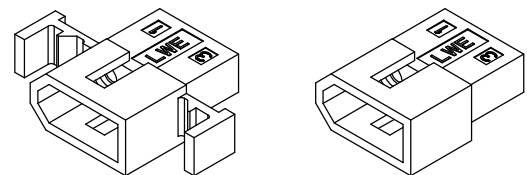
- ◇ Current rating: 6A AC/DC
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 1000V AC/Minute
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -55° C to 105° C

Reference

- ◇ Mates with 3680F Series Receptacle Housing
- ◇ Use with 3683TM Series Crimp Terminal
- ◇ Certifications: UL
- ◇ Applicable wire gauge: AWG 18 - 24



3680M Receptacle Housing



Ordering Information

PIN Nos	Part No.		Dimension			
	Panel-Mount	W/O Flange	A	B	D2	E2
2	3680M02 02	3680M02 12	3.68	11.2	8.1	15.5
3	3680M03 02	3680M03 12	7.36	15.0	8.1	19.2
4	3680M04 02	3680M04 12	11.04	18.6	7.9	22.0

Material

Part	Material / Finish
Housing	Nylon 66 94V-2, white (natural color)

※ Color Identification: the following alphabet shall be put,
 ex. 3680M 04 02 - R
 ex. 3680M 04 12 - E
 04... Circuit no.,
 Color no.: R... Red, E... Blue, B... Black color

3.68 Pitch 3680 SERIES CONNECTOR



3.68 mm Pitch Wire-to-Wire, Wire-to-Board Connector



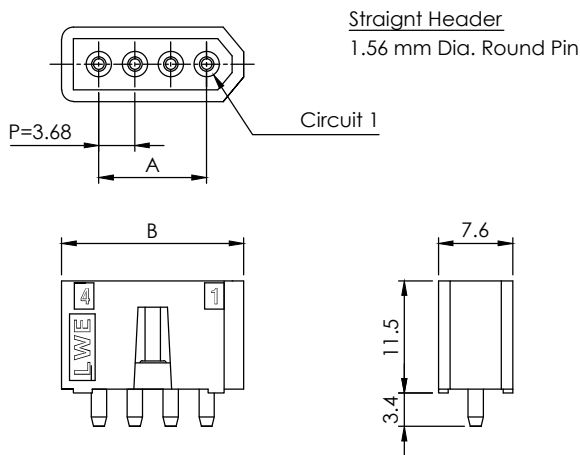
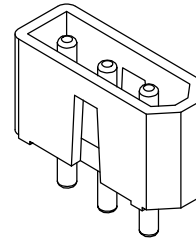
Specifications

- ◇ Current rating: 6A AC/DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 1000V AC/Minute
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -55° C to 105° C

Reference

- ◇ Mates with 3680F series Plug Housing
- ◇ Certifications: Refer to 3680F series

3681P DIP Header



Ordering Information

PIN Nos	Part No.		Dimension	
	PA66 94V-0	PA66 94V-2	A	B
2	3681P0200T	3681P0202T	3.68	11.3
3	3681P0300T	3681P0302T	7.36	15.0
4	3681P0400T	3681P0402T	11.04	18.7

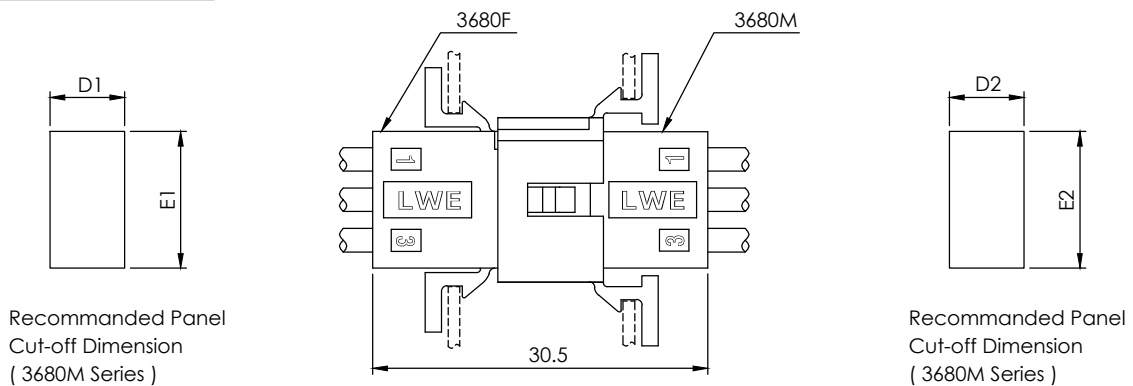
Material

Part	Material / Finish
Base	Nylon 66 94V-0, white color, or Nylon 66 94V-2, white (natural color)
Contact	Brass, tin-plated

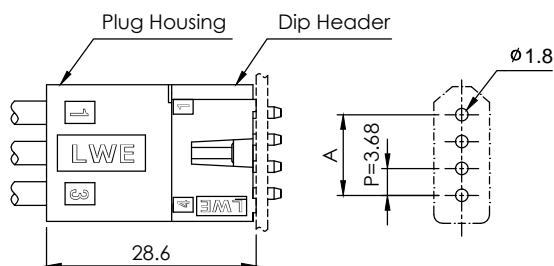
※ Color Identification: the following alphabet shall be put,
ex. 3681P 04 00 I - R
ex. 3681P 04 -00 I - E
04... Circuit no.
Color no.: R... Red, E... Blue, B... Black color

P.C. Board Layout / Assembly Layout

Wire-to-Wire Application



Wire-to-Board Application



3.68 Pitch 3680 SERIES CONNECTOR



3.68 mm Pitch Wire-to-Wire Connector



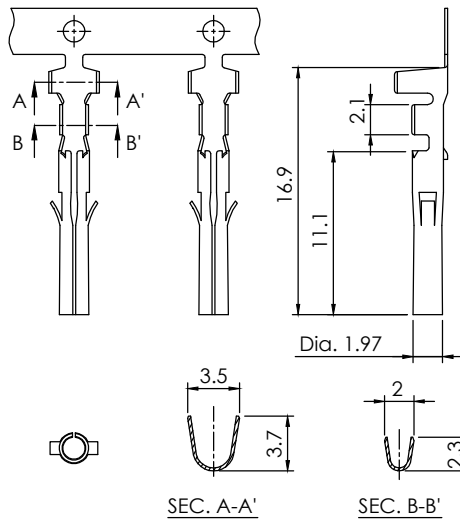
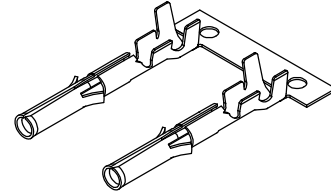
■ Specifications

- ◇ Current rating: 6A AC/DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Temperature Range: -55° C to 105° C

■ Reference

- ◇ Use with 3680F series Plug Housing
- ◇ Mates with 3683TM series Pin-contact Crimp Terminal

3683TF Crimp Terminal



Ordering Information

Part No.	Applicable Wire		Q'ty / Reel
	AWG #	Insulation O.D. mm	
3683TF12R	18 - 24	2.7 Max.	6,000

Material

Part No.	Material / Finish
3683TF12R	Brass, Tin-Plated

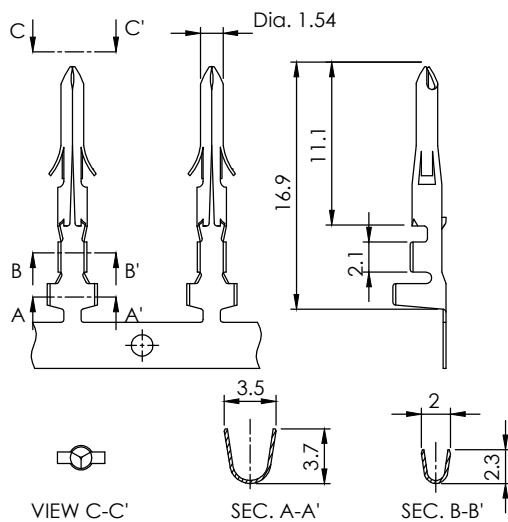
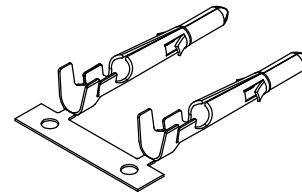
■ Specifications

- ◇ Current rating: 6A AC/DC
- ◇ Voltage Range: 250V AC,DC
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Temperature Range: -55° C to 105° C

■ Reference

- ◇ Use with 3680M series Plug Housing
- ◇ Mates with 3683TF series Crimp Terminal

3683TM Pin-contact Crimp Terminal



Ordering Information

Part No.	Applicable Wire		Q'ty / Reel
	AWG #	Insulation O.D. mm	
3683TM12R	18 - 24	2.7 Max.	6,000

Material

Part No.	Material / Finish
3683TM12R	Brass, Tin-Plated

3.96 Pitch 3060 SERIES CONNECTOR



3.96 mm Pitch Wire-to-Board Connector



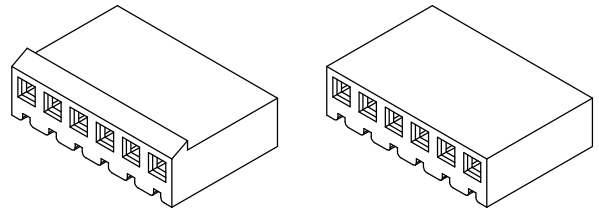
Specifications

- ◇ Current rating: 7A AC/DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 1500V AC/Minute
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

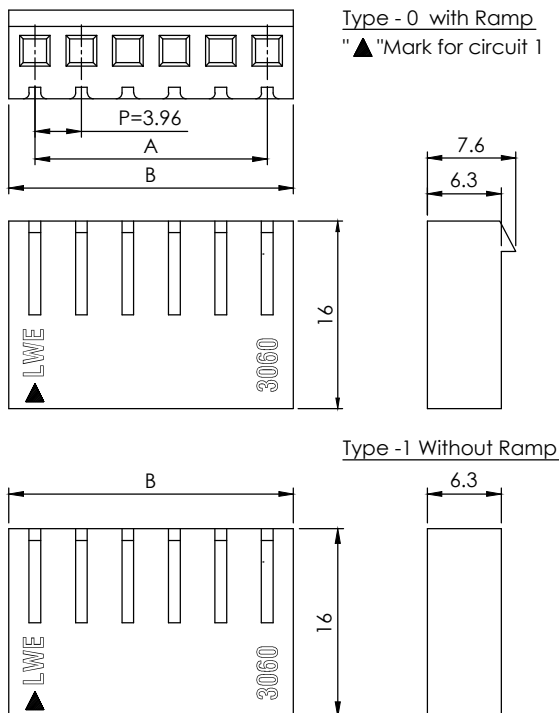
- ◇ Mates with 3061P, 3062P series PCB Header
- ◇ Use with 3360T01, 3360T03 series Crimp Terminal
- ◇ Certification: UL, TUV
- ◇ Applicable wire gauge: AWG 18 - 22

3060S Plug Housing (Type 0, Type 1)



3060S Type-0

3060S Type-1



Ordering Information

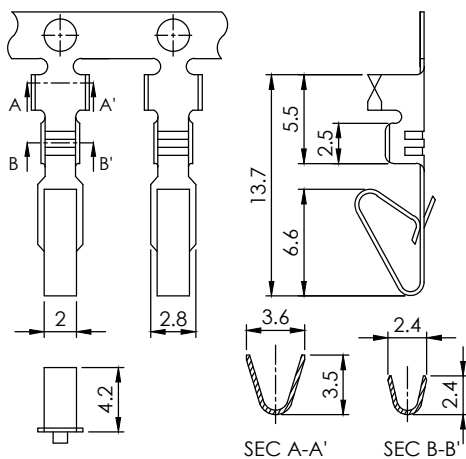
Circuits	Part No.		Dimension	
	With Ramp Type - 0	Without Ramp Type - 1	A	B
2	3060S0202	3060S0212	3.96	8.43
3	3060S0302	3060S0312	7.92	12.39
4	3060S0402	3060S0412	11.88	16.35
5	3060S0502	3060S0512	15.84	20.31
6	3060S0602	3060S0612	19.80	24.27
7	3060S0702	3060S0712	23.76	28.23
8	3060S0802	3060S0812	27.72	32.19
9	3060S0902	3060S0912	31.68	36.15
10	3060S1002	3060S1012	35.64	40.11
11	3060S1102	3060S1112	39.60	44.07
12	3060S1202	3060S1212	43.56	48.03
13	3060S1302	3060S1312	47.52	51.99
14	3060S1402	3060S1412	51.48	55.95
15	3060S1502	3060S1512	55.44	59.91

※ PART NUMBER ASSIGNMENT:

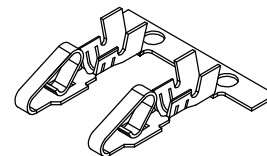
- ex. 3060S XX 0 X* (white /natural color)
- ex. 3060S XX 1 X* - B (Type- 1)
- XX... Circuit Nos B... Black, E... Blue, R... Red color,
- X*... Plastics Material no.: 0... Nylon 66 94V-0, 2... Nylon 66 94V-2

Reference

- ◇ Use with 3060S Type-1, Type-0 series Plug Housing



3360T01, 3360T03 Crimp Terminal



Ordering Information

Part No.	Applicable Wire		Q'ty / Reel
	AWG #	Insulation O.D. mm	
3360T012R	18 - 22	2.8 Max.	6,000
3360T031R	18 - 22	2.8 Max.	6,000

Material

Part No.	Material / Finish
3360T012R	Brass, Tin-Plated
3360T031R	Phosphor Bronze, Tin-Plated

3.96 Pitch 3060 SERIES CONNECTOR



3.96 mm Pitch Wire-to-Board Connector

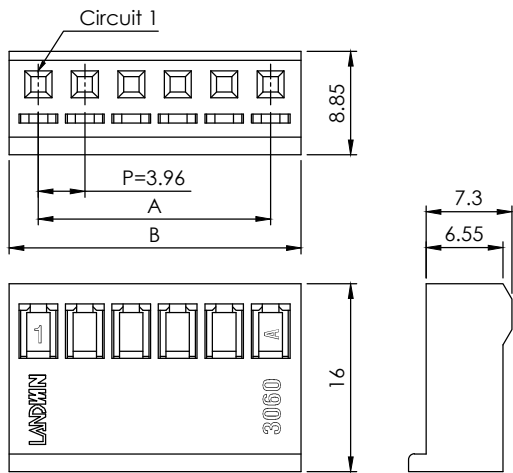


Specifications

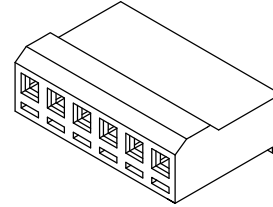
- ◇ Current rating: 7A AC/DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 1500V AC/Minute
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Mates with 3061P, 3062P series PCB Header
- ◇ Use with 7503T series Crimp Terminal
- ◇ Certification: refer to 3060 series
- ◇ Applicable wire gauge: AWG 18 - 24



3060S Plug Housing (Type 2)



Ordering Information

PIN Nos	Part No.	Dimension		PIN Nos	Part No.	Dimension	
		A	B			A	B
2	3060S0222	3.96	9.06	9	3060S0922	31.68	36.78
3	3060S0322	7.92	13.02	10	3060S1022	35.64	40.74
4	3060S0422	11.88	16.98	11	3060S1122	39.60	44.70
5	3060S0522	15.84	20.94	12	3060S1222	43.56	48.66
6	3060S0622	19.80	24.90	13	3060S1322	47.52	52.62
7	3060S0722	23.76	28.86	14	3060S1422	51.48	56.58
8	3060S0822	27.72	32.82	15	3060S1522	55.44	60.54

※ MATERIAL: Nylon 66 94V-2, white (natural color)

※ PART NUMBER ASSIGNMENT:

ex. 3060S XX 2 X* (white /natural color)

ex. 3060S XX 2 X* - B

XX... PIN Nos B... Black color

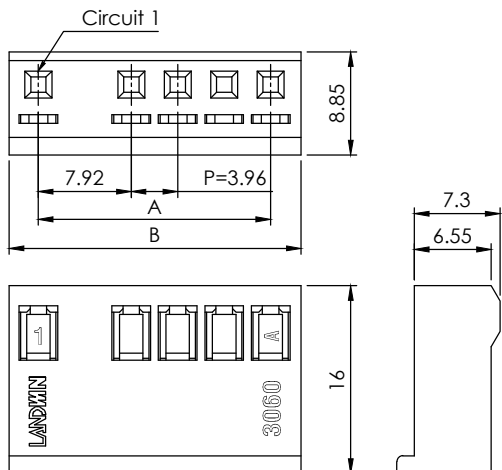
X*... Plastics Material no.: 0... Nylon 66 94V-0, 2... Nylon 66 94V-2

Specifications

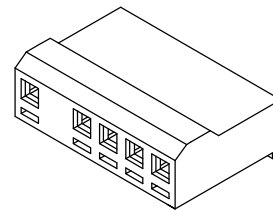
- ◇ Current rating: 7A AC/DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 1500V AC/Minute
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Mates with 3061P, 3062P series Header with pin no.2 void
- ◇ Use with 7503T series Crimp Terminal
- ◇ Certification: refer to 3060 series
- ◇ Applicable wire gauge: AWG 18 - 24



3060S Plug Housing (Type A)



Ordering Information

PIN Nos	Part No.	Dimension		PIN Nos	Part No.	Dimension	
		A	B			A	B
2	3060S02A2	7.92	13.02	8	3060S08A2	31.68	36.78
3	3060S03A2	11.88	16.98	9	3060S09A2	35.64	40.74
4	3060S04A2	15.84	20.94	10	3060S10A2	39.60	44.70
5	3060S05A2	19.80	24.90	11	3060S11A2	43.56	48.66
6	3060S06A2	23.76	28.86	12	3060S12A2	47.52	52.62
7	3060S07A2	27.72	32.82	13	3060S13A2	51.48	56.58
				14	3060S14A2	55.44	60.54

※ MATERIAL: Nylon 66 94V-2, white (natural color)

※ PART NUMBER ASSIGNMENT:

ex. 3060S XX A X*

ex. 3060S XX A X* - B

XX... PIN Nos B... Black color

X*... Plastics Material no.: 0... Nylon 66 94V-0, 2... Nylon 66 94V-2

3.96 Pitch 3060 SERIES CONNECTOR



3.96 mm Pitch Wire-to-Board Connector



Specifications

- ◇ Current rating: 7A AC/DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 1500V AC/Minute
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Mates with 3061P, 3062P series Header
- ◇ Use with 7503T series Crimp Terminal
- ◇ Certification: refer to 3060 series
- ◇ Applicable wire gauge: AWG 18 - 24

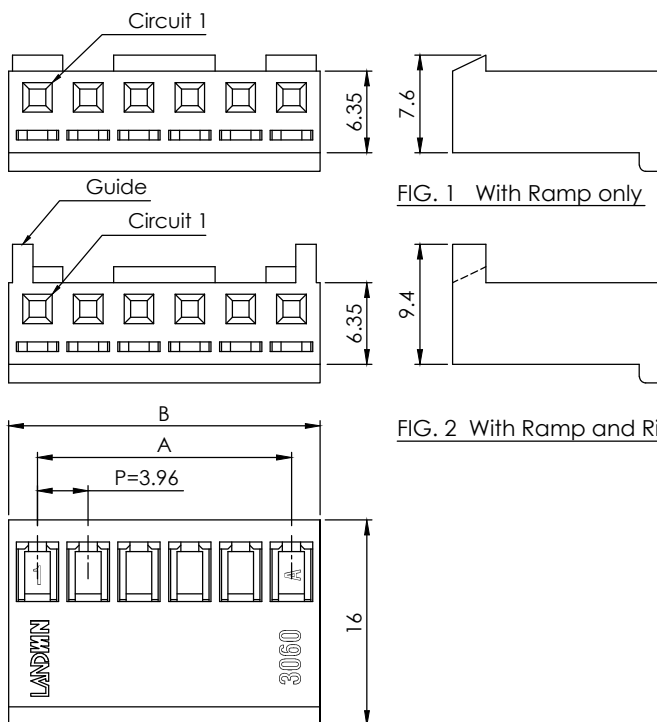
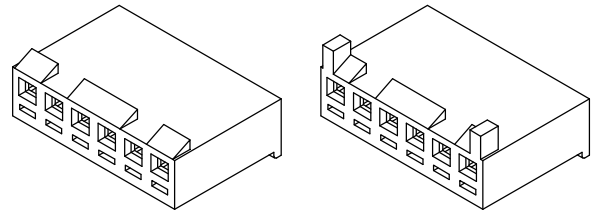


FIG. 1 With Ramp only

FIG. 2 With Ramp and Rib

3060S Type-2C, 2D Plug Housing



3060S Type-2C

3060S Type-2D

Ordering Information

Circuits	Part No.		Dimension	
	With Ramp only (FIG.1)	With Ramp, Guide (FIG.2)	A	B
2	3060S0222-SC	3060S0222-SD	3.96	9.06
3	3060S0322-SC	3060S0322-SD	7.92	13.02
4	3060S0422-SC	3060S0422-SD	11.88	16.98
5	3060S0522-SC	3060S0522-SD	15.84	20.94
6	3060S0622-SC	3060S0622-SD	19.80	24.90
7	3060S0722-SC	3060S0722-SD	23.76	28.86
8	3060S0822-SC	3060S0822-SD	27.72	32.82
9	3060S0922-SC	3060S0922-SD	31.68	36.78
10	3060S1022-SC	3060S1022-SD	35.64	40.74
11	3060S1122-SC	3060S1122-SD	39.60	44.70
12	3060S1222-SC	3060S1222-SD	43.56	48.66
13	3060S1322-SC	3060S1322-SD	47.52	52.62
14	3060S1422-SC	3060S1422-SD	51.48	56.58
15	3060S1522-SC	3060S1522-SD	55.44	60.54

※ PART NUMBER ASSIGNMENT:

ex. 3060S XX 2 X* - S C (Type- 2C)

ex. 3060S XX 2 X* - B D (Type- 2D)

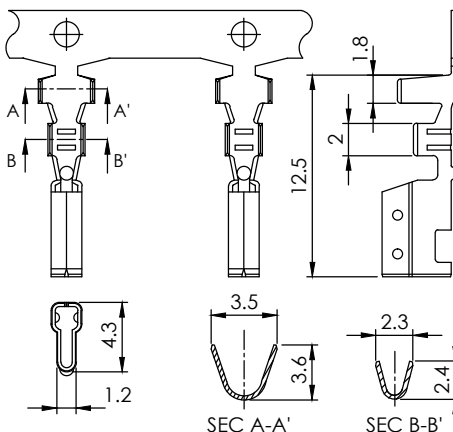
XX... Circuit Nos (PIN Numbers)

X*... Plastics Material no.: 0... Nylon 66 94V-0, 2... Nylon 66 94V-2

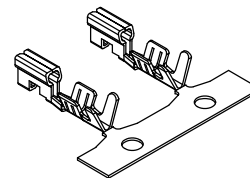
Color no.: B... black, R... red, S... white /natural color

Reference

- ◇ Use with 3060S Type-A and Type-2 series Plug Housing
- ◇ Use with 5080S Type-1, Type-A series and 7500S series Plug Housing



7503T Crimp Terminal



Ordering Information

Part No.	Applicable Wire		Q'ty / Reel
	AWG #	Insulation O.D. mm	
7503T012R	18 - 24	3.2 Max.	4,000

Material

Part No.	Material / Finish
7503T012R	Brass, Tin-Plated

3.96 Pitch 3060 SERIES CONNECTOR



3.96 mm Pitch Wire-to-Board Connector



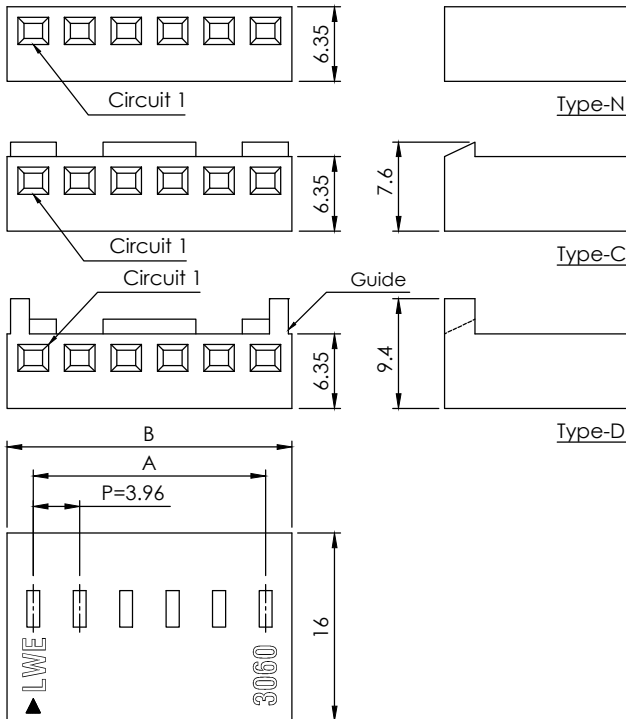
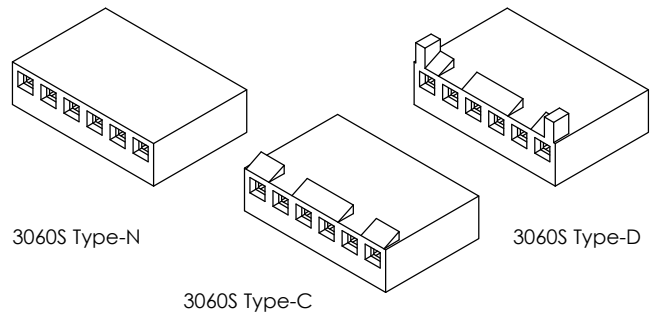
Specifications

- ◇ Current rating: 7A AC/DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 1500V AC/Minute
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Mates with 3061P, 3062P series Header
- ◇ Use with 3360T02 series Crimp Terminal
- ◇ Certification: refer to 3060 series
- ◇ Applicable wire gauge: AWG 18 - 22

3060S Plug Housing (Type C, D, N)



Ordering Information

Circuits	Part No.		Dimension	
	With Ramp (Type-C)	W/Ramp, Guide (Type-D)	A	B
2	3060S02C0	3060S02D0	3.96	8.60
3	3060S03C0	3060S03D0	7.92	12.56
4	3060S04C0	3060S04D0	11.88	16.52
5	3060S05C0	3060S05D0	15.84	20.48
6	3060S06C0	3060S06D0	19.80	24.44
7	3060S07C0	3060S07D0	23.76	28.40
8	3060S08C0	3060S08D0	27.72	32.36
9	3060S09C0	3060S09D0	31.68	36.32
10	3060S10C0	3060S10D0	35.64	40.28
11	3060S11C0	3060S11D0	39.60	44.24
12	3060S12C0	3060S12D0	43.56	48.20
13	3060S13C0	3060S13D0	47.52	52.16
14	3060S14C0	3060S14D0	51.48	56.12
15	3060S15C0	3060S15D0	55.44	60.08
16	3060S16C0	3060S16D0	59.40	64.04

※ PART NUMBER ASSIGNMENT:

ex. 3060S XX N X* (Type- N, white /natural)

ex. 3060S XX C X* - B (Type- C)

ex. 3060S XX D X* - R (Type- D)

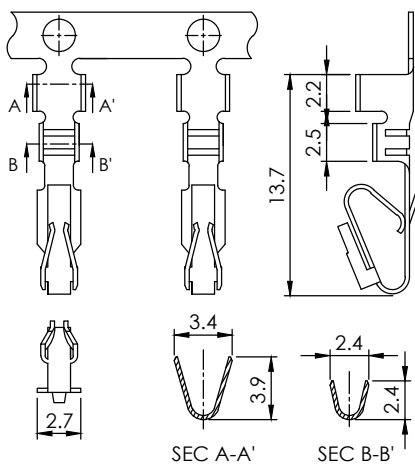
XX... Circuit Nos (PIN Numbers)

X*... Plastics Material no.: 0... Nylon 66 94V-0, 2... Nylon 66 94V-2

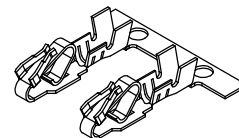
Color no.: B... black, E... blue, R... red color

Reference

- ◇ Use with 3060S Type-C, D, N series Plug Housing



3360T02 Crimp Terminal



Ordering Information

Part No.	Applicable Wire		Q'ty / Reel
	AWG #	Insulation O.D. mm	
3360T021R	18 - 22	2.8 Max.	5,000

Material

Part No.	Material / Finish
3360T021R	Phosphor Bronze, Tin-Plated

3.96 Pitch 3060 SERIES CONNECTOR



3.96 mm Pitch Wire-to-Board Connector



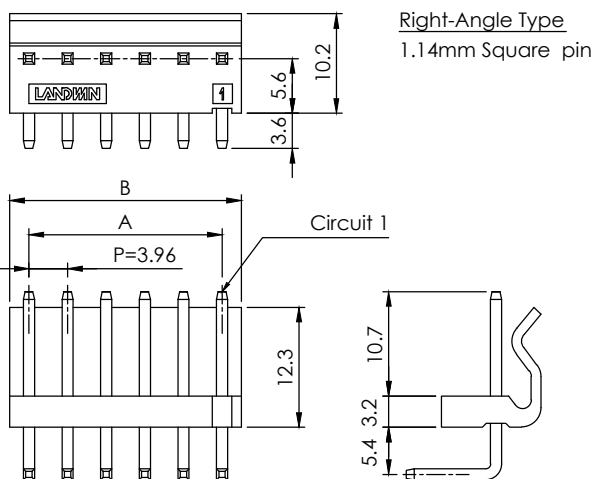
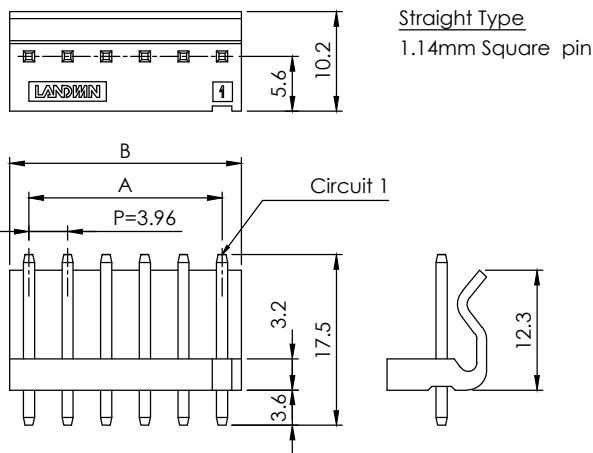
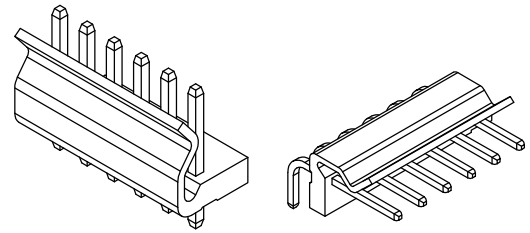
Specifications

- ◇ Current rating: 7A AC/DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 1500V AC/Minute
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Mates with 3060S series Plug Housing
- ◇ Certification: refer to 3060S series

3061P, 3062P DIP Header



Ordering Information

Circuits	Part No.		Dimension	
	Straight PA66 94V-2	Right-Angle PA66 94V-2	A	B
2	3061P0202T	3062P0202T	3.96	7.92
3	3061P0302T	3062P0302T	7.92	11.88
4	3061P0402T	3062P0402T	11.88	15.84
5	3061P0502T	3062P0502T	15.84	19.80
6	3061P0602T	3062P0602T	19.80	23.76
7	3061P0702T	3062P0702T	23.76	27.72
8	3061P0802T	3062P0802T	27.72	31.68
9	3061P0902T	3062P0902T	31.68	35.64
10	3061P1002T	3062P1002T	35.64	39.60
11	3061P1102T	3062P1102T	39.60	43.56
12	3061P1202T	3062P1202T	43.56	47.52
13	3061P1302T	3062P1302T	47.52	51.48
14	3061P1402T	3062P1402T	51.48	55.44
15	3061P1502T	3062P1502T	55.44	59.40

Material

Part	Material / Finish
Base	Nylon 66 94V-2, white (natural color)
Contact	Brass, Tin-plated

※ PART NUMBER ASSIGNMENT:

ex. 3061P XX 0 X* X (white /natural color)

ex. 3062P XX 0 X* X (white /natural color)

ex. 3061P XX 0 X* X - B

ex. 3062P XX 0 X* X - R

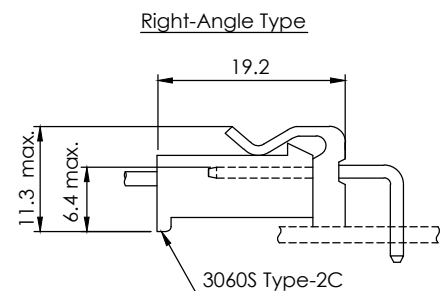
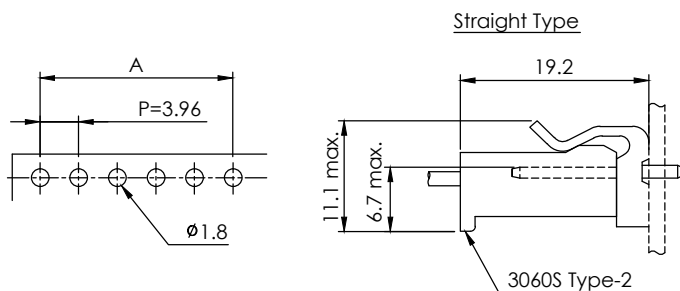
XX... Circuit Nos (PIN Numbers)

X... Plating Selection: T... Tin, V... Matte Tin

X*... Plastics Material no.: 0... Nylon 66 94V-0, 2... Nylon 66 94V-2

Color no.: B... Black, R... Red color

P.C. Board Layout / Assembly Layout



3.96 Pitch 3060 SERIES CONNECTOR



3.96 mm Pitch Wire-to-Board Connector



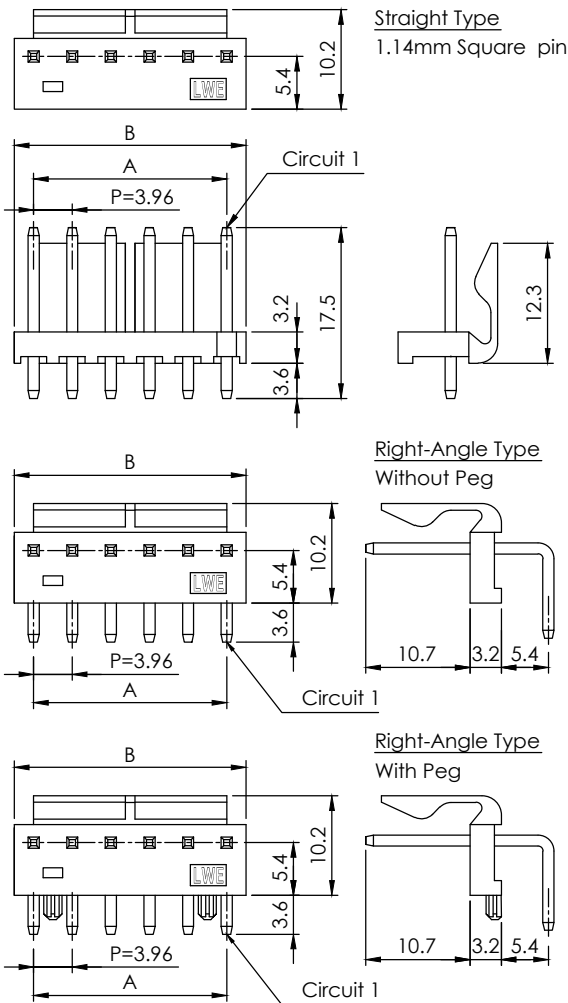
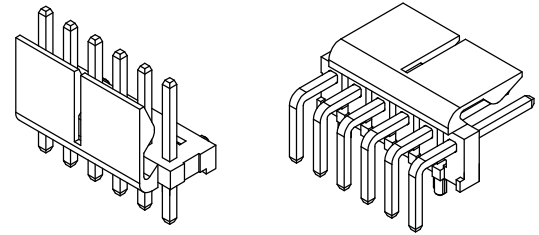
Specifications

- ◇ Current rating: 7A AC/DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 1500V AC/Minute
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Mates with 3060S series Plug Housing
- ◇ Certification: refer to 3060S series

3061P, 3062P DIP Header (Type A)



Ordering Information

Circuits	Part No.			Dimension	
	Straight	Right-Angle Without Peg	Right-Angle With Peg	A	B
2	3061P02A0T	3062P02A0T	3062P02A0T-SB	3.96	7.92
3	3061P03A0T	3062P03A0T	3062P03A0T-SB	7.92	11.88
4	3061P04A0T	3062P04A0T	3062P04A0T-SB	11.88	15.84
5	3061P05A0T	3062P05A0T	3062P05A0T-SB	15.84	19.80
6	3061P06A0T	3062P06A0T	3062P06A0T-SB	19.80	23.76
7	3061P07A0T	3062P07A0T	3062P07A0T-SB	23.76	27.72
8	3061P08A0T	3062P08A0T	3062P08A0T-SB	27.72	31.68
9	3061P09A0T	3062P09A0T	3062P09A0T-SB	31.68	35.64
10	3061P10A0T	3062P10A0T	3062P10A0T-SB	35.64	39.60
11	3061P11A0T	3062P11A0T	3062P11A0T-SB	39.60	43.56
12	3061P12A0T	3062P12A0T	3062P12A0T-SB	43.56	47.52
13	3061P13A0T	3062P13A0T	3062P13A0T-SB	47.52	51.48
14	3061P14A0T	3062P14A0T	3062P14A0T-SB	51.48	55.44
15	3061P15A0T	3062P15A0T	3062P15A0T-SB	55.44	59.40

Material

Part	Material / Finish
Base	Nylon 66 94V-0, white (natural color)
Contact	Brass, Tin-Plated

※ PART NUMBER ASSIGNMENT:

ex. 3061P XX A X* X (white / natural color)
 ex. 3062P XX A X* X (white / natural color)

ex. 3061P XX A X* X - B
 ex. 3062P XX A X* X - R

XX... Circuit Nos (PIN Numbers)

X... Plating Selection: T... Tin, V... Matte Tin

X*... Plastics Material no.: 0... Nylon 66 94V-0

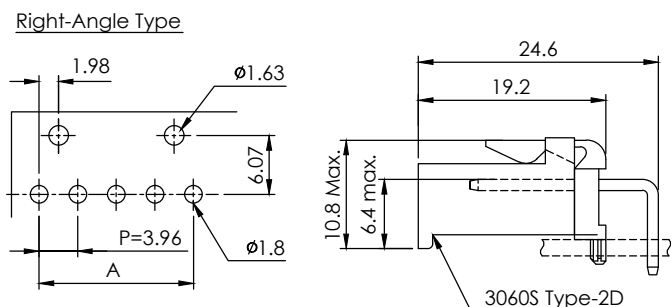
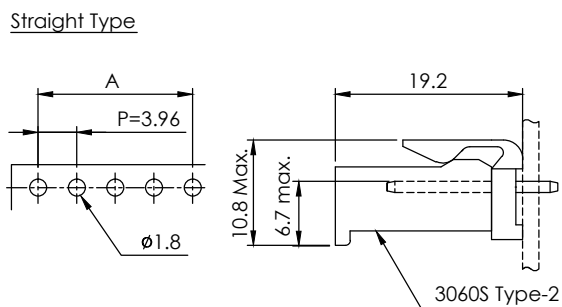
Color no.: B... Black, R... Red color

ex. 3062P XX A X* X - S B (white / natural color)

Color no.: S... white (natural)

B... Right-angle type with Plastics Peg

P.C. Board Layout / Assembly Layout



3.96 Pitch 3060 SERIES CONNECTOR



3.96 mm Pitch Wire-to-Board Connector



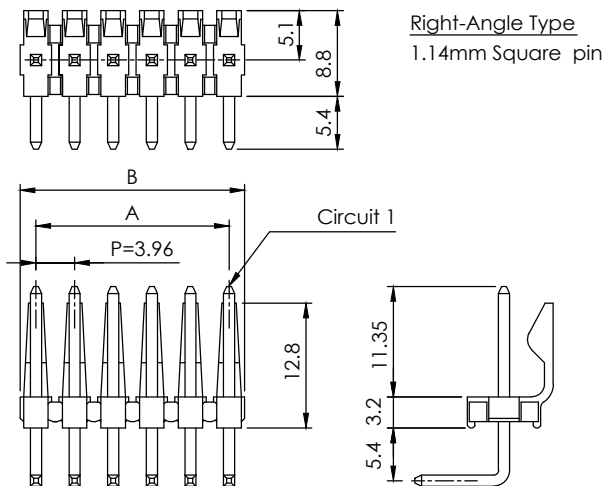
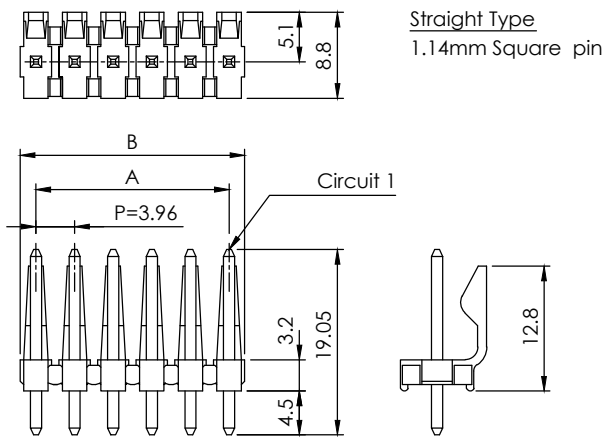
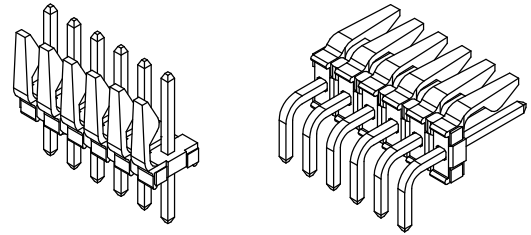
Specifications

- ◇ Current rating: 7A AC/DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 1500V AC/Minute
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Mates with 3060S series Plug Housing
- ◇ Certification: refer to 3060S series
- ◇ GWT 750° C rated product is available

3061P, 3062P DIP Header (Type C)



Ordering Information

Circuits	Part No.		Dimension	
	Straight	Right-Angle	A	B
2	3061P02C3T	3062P02C3T	3.96	7.16
3	3061P03C3T	3062P03C3T	7.92	11.12
4	3061P04C3T	3062P04C3T	11.88	15.08
5	3061P05C3T	3062P05C3T	15.84	19.04
6	3061P06C3T	3062P06C3T	19.80	23.00
7	3061P07C3T	3062P07C3T	23.76	26.96
8	3061P08C3T	3062P08C3T	27.72	30.92
9	3061P09C3T	3062P09C3T	31.68	34.88
10	3061P10C3T	3062P10C3T	35.64	38.84
11	3061P11C3T	3062P11C3T	39.60	42.80
12	3061P12C3T	3062P12C3T	43.56	46.76
13	3061P13C3T	3062P13C3T	47.52	50.72
14	3061P14C3T	3062P14C3T	51.48	54.68
15	3061P15C3T	3062P15C3T	55.44	58.64

Material

Part	Material / Finish
Base	Glass-filled PBT 94V-0, black color
Contact	Brass, Tin-Plated

※ PART NUMBER ASSIGNMENT:

ex. 3061P XX C X* X (black color)

ex. 3062P XX C X* X (black color)

ex. 3061P XX C X* X - S

ex. 3062P XX C X* X - R

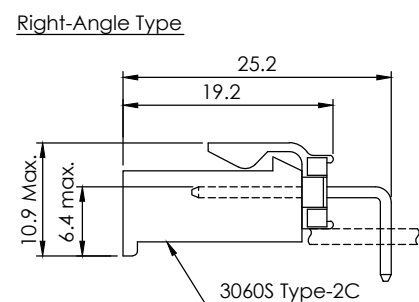
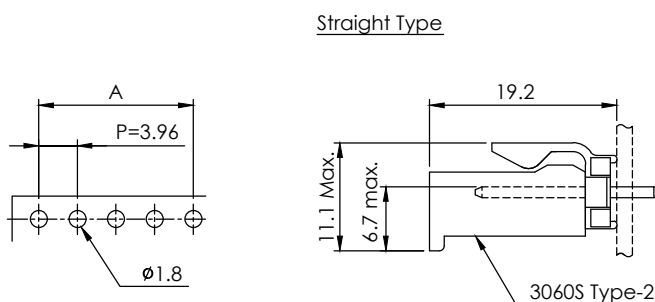
XX... Circuit Nos (PIN Numbers)

X... Plating Selection: T... Tin, V... Matte Tin

X*... Plastics Material no.: 3... Glass-filled PBT 94V-0

Color no.: S... white (natural color), R... red color

P.C. Board Layout / Assembly Layout



3.96 Pitch 3161 SERIES CONNECTOR



3.96 mm Pitch Wire-to-Board Connector



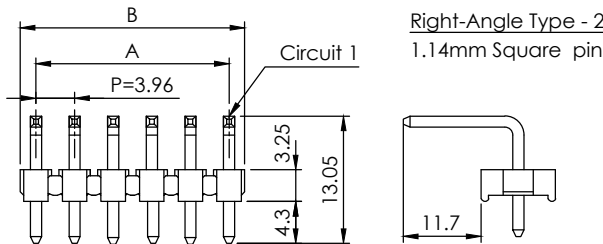
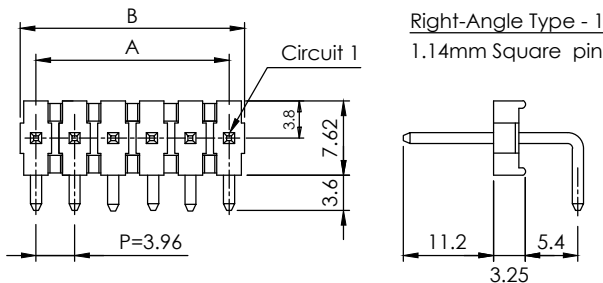
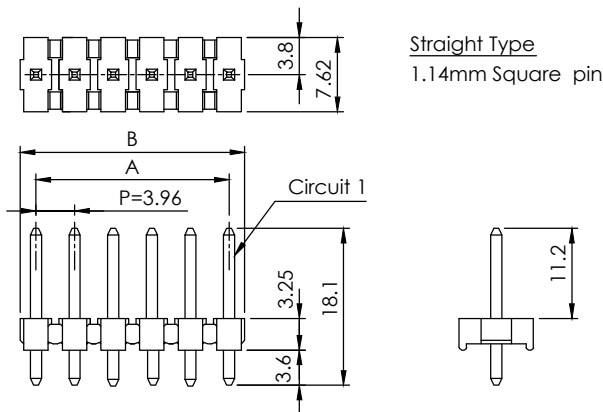
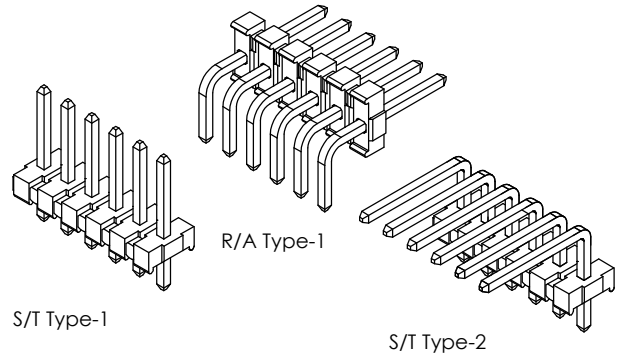
Specifications

- ◇ Current rating: 7A AC/DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 1500V AC/Minute
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Mates with 3060S series Plug Housing
- ◇ Certification: refer to 3060S series
- ◇ GWT 750° C rated product is available

3161P, 3162P DIP Header, Type-1, 2



Ordering Information

Circuits	Part No.		Dimension	
	Straight Type S / T	Right-Angle R / A	A	B
2	3161P0213T	3162P0213T	3.96	7.16
3	3161P0313T	3162P0313T	7.92	11.12
4	3161P0413T	3162P0413T	11.88	15.08
5	3161P0513T	3162P0513T	15.84	19.04
6	3161P0613T	3162P0613T	19.80	23.00
7	3161P0713T	3162P0713T	23.76	26.96
8	3161P0813T	3162P0813T	27.72	30.92
9	3161P0913T	3162P0913T	31.68	34.88
10	3161P1013T	3162P1013T	35.64	38.84
11	3161P1113T	3162P1113T	39.60	42.80
12	3161P1213T	3162P1213T	43.56	46.76
13	3161P1313T	3162P1313T	47.52	50.72
14	3161P1413T	3162P1413T	51.48	54.68
15	3161P1513T	3162P1513T	55.44	58.64

Material

Part	Material / Finish
Base	Glass-filled PBT 94V-0, black color
Contact	Brass, Tin-Plated

※ PART NUMBER ASSIGNMENT:

ex. 3161P XX 1 X* X (black color)

ex. 3162P XX 1 X* X (black color)

ex. 3161P XX 1 X* X - S

ex. 3162P XX 1 X* X - S

ex. 3162P XX 2 X* X (black color)

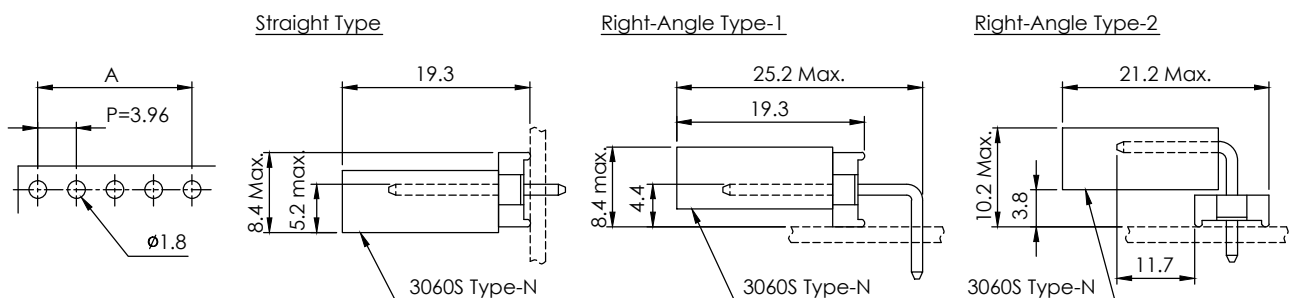
XX... Circuit Nos (PIN Numbers)

X... Plating Selection: T... Tin, V... Matte Tin

X*... Plastics Material no.: 3... Glass-filled PBT 94V-0

Color no.: S... white (natural color), R... red color

P.C. Board Layout / Assembly Layout



3.96 Pitch 3161 SERIES CONNECTOR



3.96 mm Pitch Wire-to-Board Connector



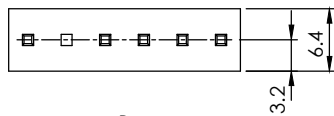
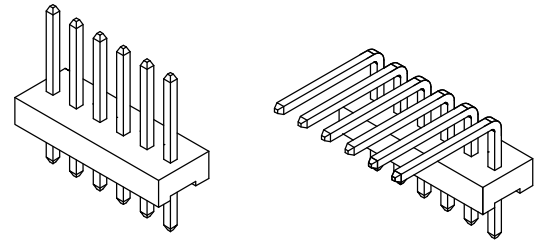
Specifications

- ◇ Current rating: 7A AC/DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 1500V AC/Minute
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

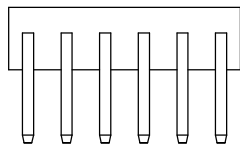
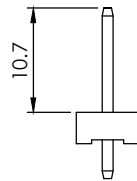
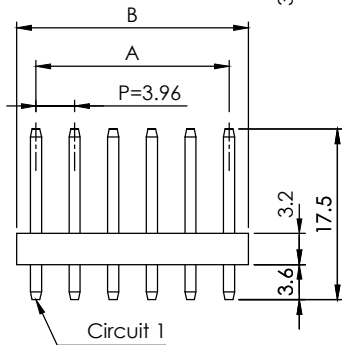
Reference

- ◇ Mates with 3060S series Plug Housing
- ◇ Certification: UL

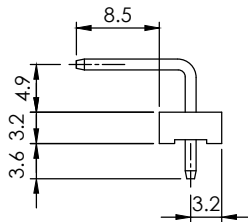
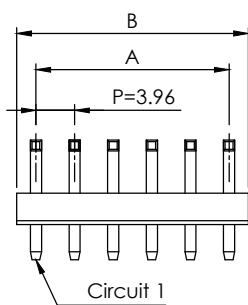
3161P, 3162P DIP Header



Straight Type
1.14mm Square pin



Right-Angle Type
1.14mm Square pin



Ordering Information

Circuits	Part No.		Dimension	
	Straight	Right-Angle	A	B
2	3161P0202T	3162P0202T	3.96	7.92
3	3161P0302T	3162P0302T	7.92	11.88
4	3161P0402T	3162P0402T	11.88	15.84
5	3161P0502T	3162P0502T	15.84	19.80
6	3161P0602T	3162P0602T	19.80	23.76
7	3161P0702T	3162P0702T	23.76	27.72
8	3161P0802T	3162P0802T	27.72	31.68
9	3161P0902T	3162P0902T	31.68	35.64
10	3161P1002T	3162P1002T	35.64	39.60
11	3161P1102T	3162P1102T	39.60	43.56
12	3161P1202T	3162P1202T	43.56	47.52
13	3161P1302T	3162P1302T	47.52	51.48
14	3161P1402T	3162P1402T	51.48	55.44
15	3161P1502T	3162P1502T	55.44	59.40

Material

Part	Material / Finish
Base	Nylon 66 94V-2, white (natural color)
Contact	Brass, Tin-Plated

※ PART NUMBER ASSIGNMENT:

ex. 3161P XX 0 X* X (white /natural color)

ex. 3162P XX 0 X* X (white /natural color)

ex. 3161P XX 0 X* X - S

ex. 3162P XX 0 X* X - R

XX... Circuit Nos (PIN Numbers)

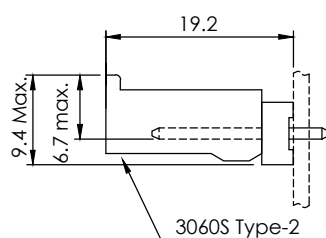
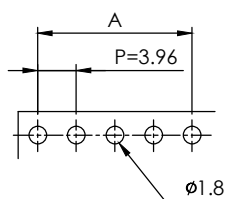
X... Plating Selection: T... Tin, V... Matte Tin

X*... Plastics Material no.: 0... Nylon 66 94V-0, 2... Nylon 66 94V-2,

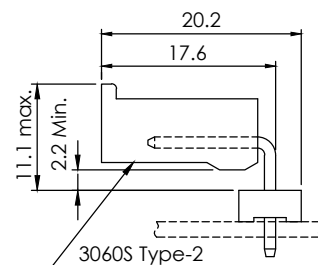
Color no.: S... White (natural color), R... Red color

P.C. Board Layout / Assembly Layout

Straight Type



Right-angle Type



3.96 Pitch 3161 SERIES CONNECTOR



3.96 mm Pitch Wire-to-Board Connector



Specifications

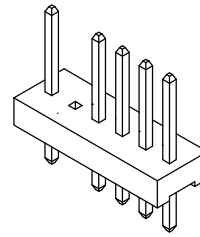
- ◇ Current rating: 7A AC/DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 1500V AC/Minute
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

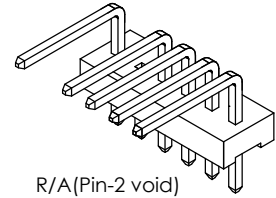
- ◇ Mates with 3060S Type-A series Plug Housing
- ◇ Certification: refer to 3161 and 3162 series
- ◇ GWT 850° C rated product is available

3161P, 3162P DIP Header

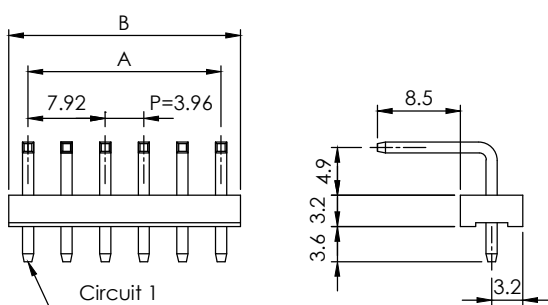
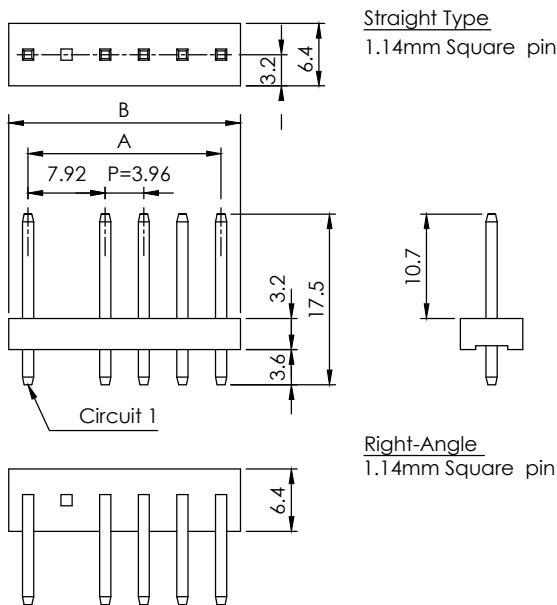
Void Pin no.2



S/T (Pin-2 void)



R/A (Pin-2 void)



Ordering Information

Circuits	Part No.		Dimension	
	Straight	Right-Angle	A	B
2	3161P0301T-SN02	3162P0301T-SN02	7.92	11.88
3	3161P0401T-SN02	3162P0401T-SN02	11.88	15.84
4	3161P0501T-SN02	3162P0501T-SN02	15.84	19.80
5	3161P0601T-SN02	3162P0601T-SN02	19.80	23.76
6	3161P0701T-SN02	3162P0701T-SN02	23.76	27.72
7	3161P0801T-SN02	3162P0801T-SN02	27.72	31.68
8	3161P0901T-SN02	3162P0901T-SN02	31.68	35.64
9	3161P1001T-SN02	3162P1001T-SN02	35.64	39.60
10	3161P1101T-SN02	3162P1101T-SN02	39.60	43.56
11	3161P1201T-SN02	3162P1201T-SN02	43.56	47.52
12	3161P1301T-SN02	3162P1301T-SN02	47.52	51.48
13	3161P1401T-SN02	3162P1401T-SN02	51.48	55.44
14	3161P1501T-SN02	3162P1501T-SN02	55.44	59.40

Material

Part	Material / Finish
Base	Glass-filled Nylon 66 94V-0, Light ivory color
Contact	Brass, Tin-plated

※ PART NUMBER ASSIGNMENT:

ex. 3161P XX 0 X* X (white /natural color)

ex. 3162P XX 0 X* X (white /natural color)

ex. 3161P XX 0 1 X - S

ex. 3162P XX 0 1 X - R

ex. 3161P 10 0 1 X - S N02

XX... Circuit Nos (PIN Numbers)

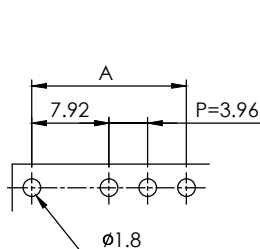
X... Plating Selection: T... Tin, V... Matte Tin

X*... Plastics Material no.: 0... Nylon 66 94V-0, 2... Nylon 66 94V-2,

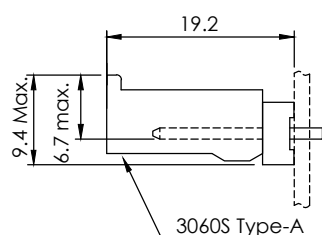
Color no.: S... White (natural), R... Red color

N02... Pin no.2 void

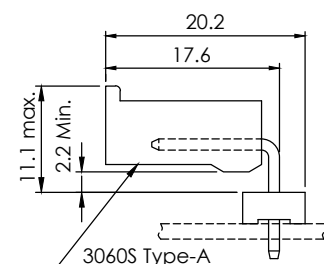
P.C. Board Layout / Assembly Layout



Straight Type



Right-Angle Type



3.96 Pitch 3060 SERIES CONNECTOR



3.96 mm Pitch Wire-to-Board Connector



Specifications

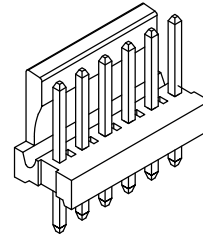
- ◇ Current rating: 7A AC/DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 1500V AC/Minute
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

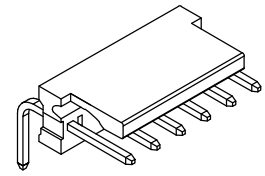
- ◇ Mates with 3060S series Plug Housing
- ◇ Mates with 3360R IDC series Plug Housing

3061P, 3062P DIP Header

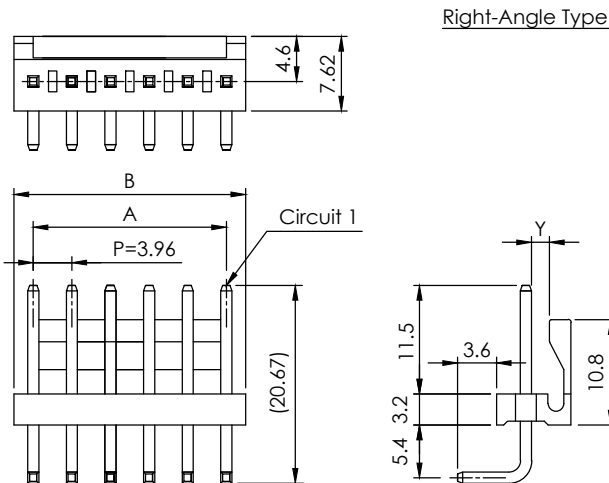
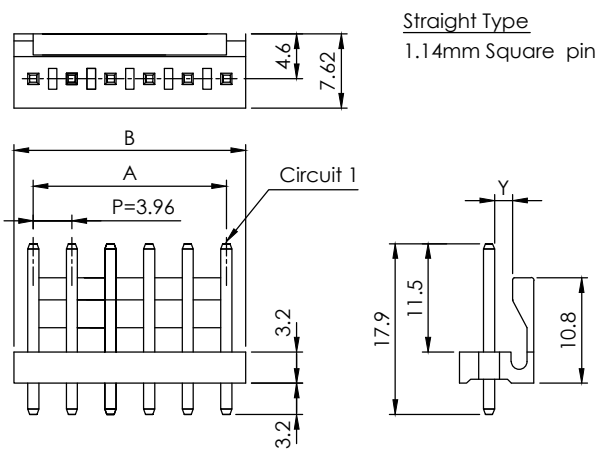
(Type E, Type E-1)



3061P Type-E



3062P Type-E



Ordering Information

Circuits	Part No. (Type-E, Y=1.5)		Dimension		
	Straight	Right-Angle	A	B	Y
2	3061P02E3T	3062P02E3T	3.96	7.92	1.5
3	3061P03E3T	3062P03E3T	7.92	11.88	1.5
4	3061P04E3T	3062P04E3T	11.88	15.84	1.5
5	3061P05E3T	3062P05E3T	15.84	19.80	1.5
6	3061P06E3T	3062P06E3T	19.80	23.76	1.5
7	3061P07E3T	3062P07E3T	23.76	27.72	1.5
8	3061P08E3T	3062P08E3T	27.72	31.68	1.5

Circuits	Part No. (Type E-1, Y=1.85)		Dimension		
	Straight	Right-Angle	A	B	Y
8	3061P08E3T-S1	3062P08E3T-S1	27.72	31.68	1.85
9	3061P09E3T-S1	3062P09E3T-S1	31.68	35.64	1.85
10	3061P10E3T-S1	3062P10E3T-S1	35.64	39.60	1.85
11	3061P11E3T-S1	3062P11E3T-S1	39.60	43.56	1.85
12	3061P12E3T-S1	3062P12E3T-S1	43.56	47.52	1.85
13	3061P13E3T-S1	3062P13E3T-S1	47.52	51.48	1.85
14	3061P14E3T-S1	3062P14E3T-S1	51.48	55.44	1.85
15	3061P15E3T-S1	3062P15E3T-S1	55.44	59.40	1.85

Material

Part	Material / Finish
Base	Glass-filled PBT 94V-0, white (natural color)
Contact	Brass, Tin-Plated

※ PART NUMBER ASSIGNMENT:

ex. 3061P XX E X* X (white /natural color)

ex. 3062P XX E X* X - S1 (white /natural color)

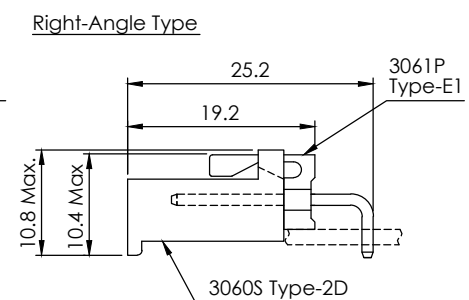
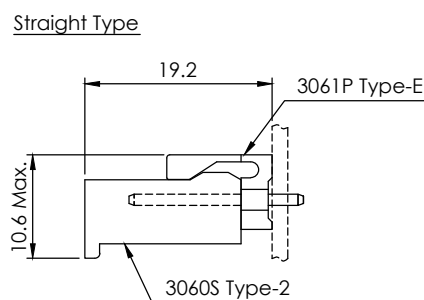
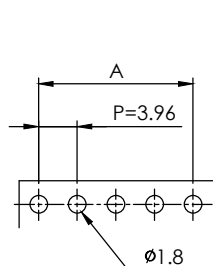
XX... Circuit Nos (PIN Numbers)

X... Plating Selection: T... Tin, V... Matte Tin

X*... Plastics Material no.: 3... PBT-GF 94V-0,

Color no.: S... White, R... Red, B... Black color

P.C. Board Layout / Assembly Layout



3.96 Pitch 3360 SERIES CONNECTOR



3.96 mm Pitch Wire-to-Board Connector



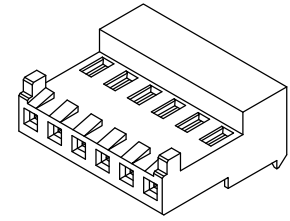
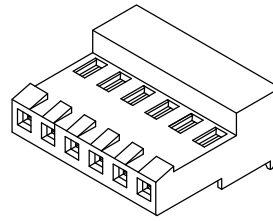
Specifications

- ◇ Current rating: 7A AC/DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 1500V AC/Minute
- ◇ Contact Resistance: 7 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Mates with 3061P, 3062P Type-E and Type-E1 series PCB Header

3360R IDC Plug Housing



3360R Type-1

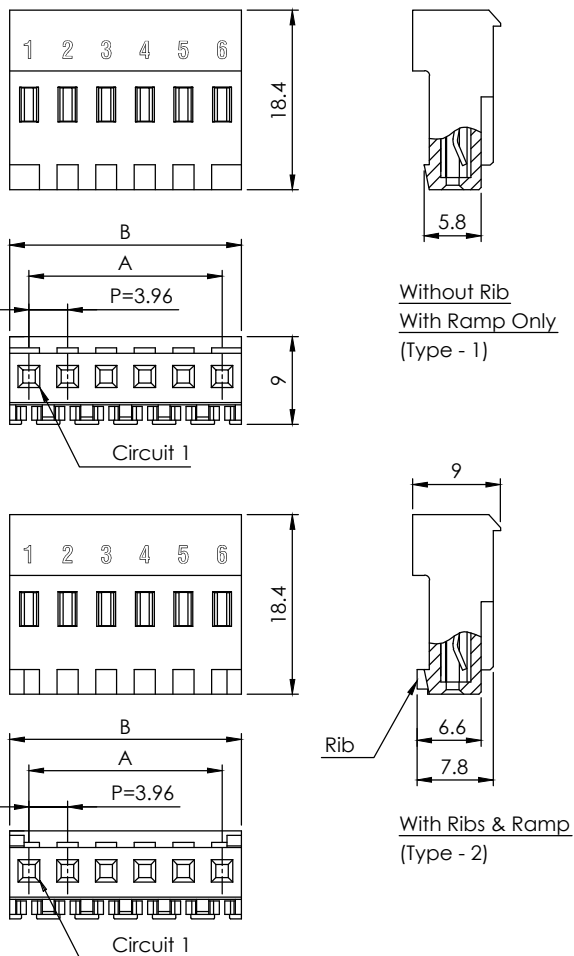
3360R Type-2

Ordering Information

Circuits	Part No.		Dimension	
	Without Ribs	With Ribs	A	B
2	3360R0212T-X	3360R0222T-X	3.96	7.92
3	3360R0312T-X	3360R0322T-X	7.92	11.88
4	3360R0412T-X	3360R0422T-X	11.88	15.84
5	3360R0512T-X	3360R0522T-X	15.84	19.80
6	3360R0612T-X	3360R0622T-X	19.80	23.76
7	3360R0712T-X	3360R0722T-X	23.76	27.72
8	3360R0812T-X	3360R0822T-X	27.72	31.68
9	3360R0912T-X	3360R0922T-X	31.68	35.64
10	3360R1012T-X	3360R1022T-X	35.64	39.60
11	3360R1112T-X	3360R1122T-X	39.60	43.56
12	3360R1212T-X	3360R1222T-X	43.56	47.52
13	3360R1312T-X	3360R1322T-X	47.52	51.48
14	3360R1412T-X	3360R1422T-X	51.48	55.44

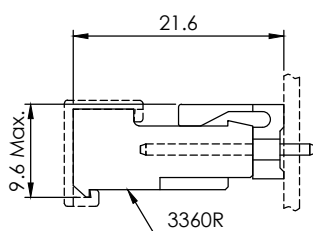
Material

Part	Material	Applicable Wire Guage	Color Coding = X
IDC Plug	Nylon 66 94V-2	26 AWG	X = E - Blue
		24 AWG	X = S - Natural
		22 AWG	X = R - Red
		20 AWG	X = Y - Yellow
		18 AWG	X = D - Orange

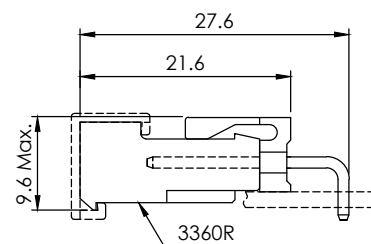


Assembly Layout

Straight Type



Right-Angle Type



3.96 Pitch 3960 SERIES CONNECTOR



3.96 mm Pitch Wire-to-Board Connector



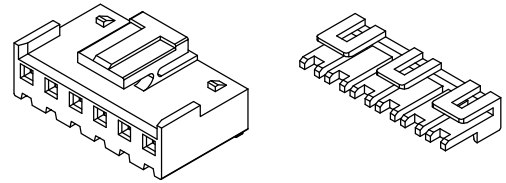
Specifications

- ◇ Current rating: 7A AC/DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 1500V AC/Minute
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

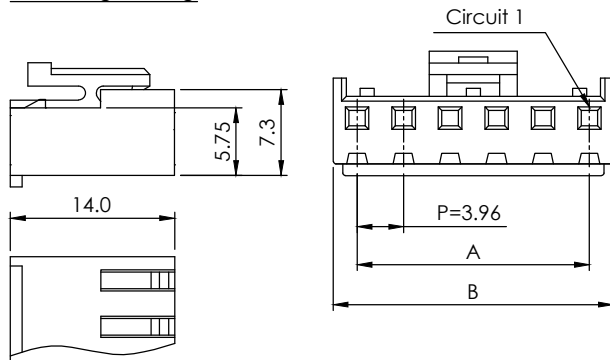
- ◇ Mates with 3961P, 3962P Series Header
- ◇ Use with 3963T Crimp Terminal
- ◇ Certification: UL, TUV
- ◇ Applicable wire gauge: AWG 18 - 22 and AWG 16 -20

3960S Plug Housing 3960A T.P.A.

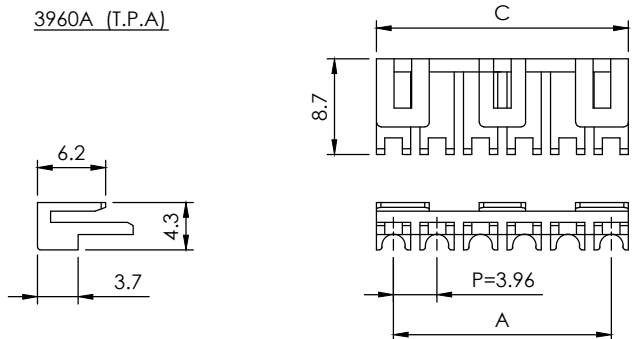


3960A (T.P.A.)

3960S Plug Housing



3960A (T.P.A.)



Ordering Information

Circuits	Part No.		Dimension		
	Housing	T.P.A	A	B	C
2	3960S02 00	3960A02 21	3.96	8.02	7.06
3	3960S03 00	3960A03 21	7.92	11.98	11.02
4	3960S04 00	3960A04 21	11.88	15.94	14.98
5	3960S05 00	3960A05 21	15.84	19.90	18.94
6	3960S06 00	3960A06 21	19.80	23.86	22.90
7	3960S07 00	3960A07 21	23.76	27.82	26.86
8	3960S08 00	3960A08 21	27.72	31.78	30.82
9	3960S09 00	3960A09 21	31.68	35.74	34.78
10	3960S10 00	3960A10 21	35.64	39.70	38.74
11	3960S11 00	3960A11 21	39.60	43.66	42.70
12	3960S12 00	3960A12 21	43.56	47.62	46.66
13	3960S13 00	3960A13 21	47.52	51.58	50.62
14	3960S14 00	3960A14 21	51.48	55.54	54.58
15	3960S15 00	3960A15 21	55.44	59.50	58.54

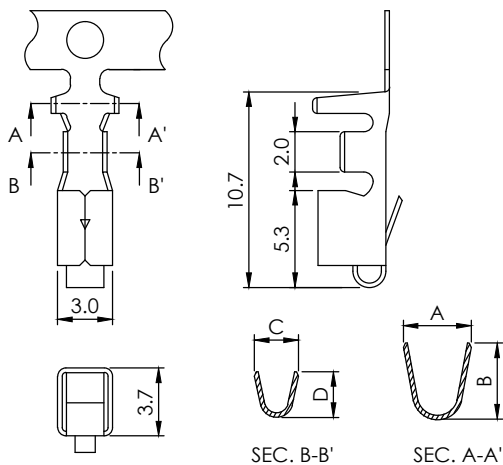
Material

Part	Material / Finish
Housing	Nylon 66 94V-0, white (natural)
T.P.A	Glass-filled Nylon 66 94V-0, Light ivory color

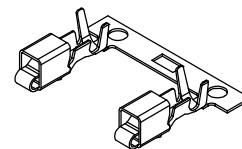
※ Color Identification: the following alphabet shall be put,
 ex. 3960S 04 0 0 - B
 ex. 3960A 04 2 1 - R
 04... Circuit no. B... Black, E... Blue, R... Red color

Reference

- ◇ Use with 3960S, 5000S, 5080S Type-N Plug Housing



3963T Crimp Terminal



Ordering Information

Part No.	Applicable Wire		Q'ty / Reel
	AWG #	Insulation O.D. mm	
3963T012R	18 - 22	2.7 Max.	3,500
3963T022R	16 - 20	3.0 Max.	3,000

Part No.	A	B	C	D
3963T012R	3.7	4.2	2.4	2.5
3963T022R	4.0	4.8	3.1	3.4

Material: Brass, Tin-plated

3.96 Pitch 3960 SERIES CONNECTOR



3.96 mm Pitch Wire-to-Board Connector



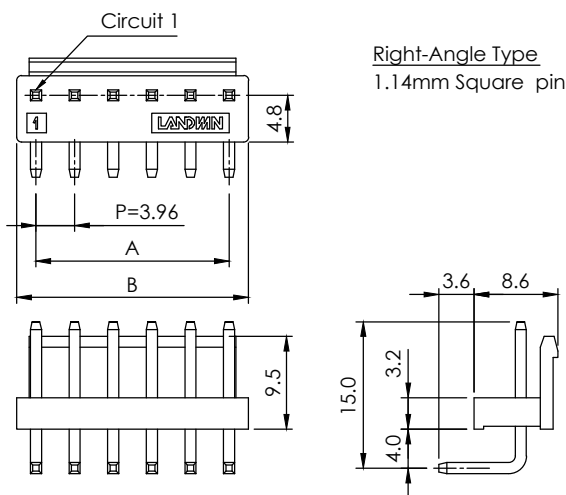
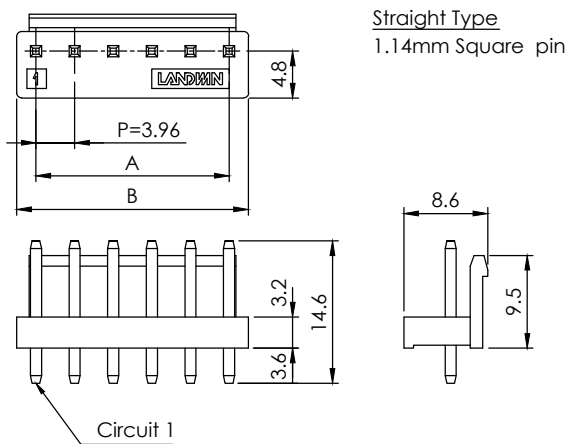
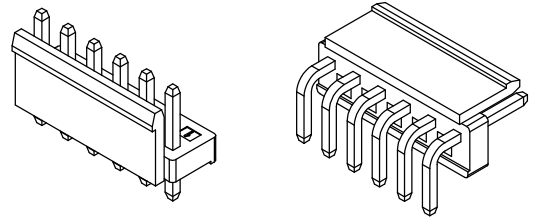
Specifications

- ◇ Current rating: 7A AC/DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 1500V AC/Minute
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Mates with 3960S Series Plug Housing
- ◇ Certification: refer to 3960S series
- ◇ GWT 850° C rated product is available

3961P, 3962P DIP Header



Ordering Information

Circuits	Part No.		Dimension	
	Straight	Right Angle	A	B
2	3961P02 00T	3962P02 00T	3.96	7.92
3	3961P03 00T	3962P03 00T	7.92	11.88
4	3961P04 00T	3962P04 00T	11.88	15.84
5	3961P05 00T	3962P05 00T	15.84	19.80
6	3961P06 00T	3962P06 00T	19.80	23.76
7	3961P07 00T	3962P07 00T	23.76	27.72
8	3961P08 00T	3962P08 00T	27.72	31.68
9	3961P09 00T	3962P09 00T	31.68	35.64
10	3961P10 00T	3962P10 00T	35.64	39.60
11	3961P11 00T	3962P11 00T	39.60	43.56
12	3961P12 00T	3962P12 00T	43.56	47.52
13	3961P13 00T	3962P13 00T	47.52	51.48
14	3961P14 00T	3962P14 00T	51.48	55.44
15	3961P15 00T	3962P15 00T	55.44	59.40

Material

Part	Material / Finish
Base	Nylon 66 94V-0, white (natural color)
Contact	Brass, Tin-plated

※ Color Identification: the following alphabet shall be put,

ex. 3961P 04 00 X (natural color)

ex. 3961P 04 00 X - B

ex. 3962P 04 00 X - R

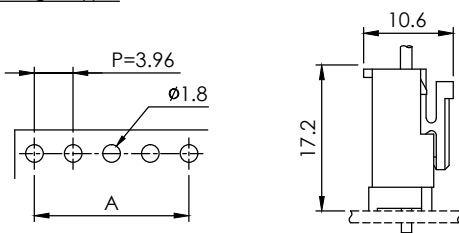
04... Circuit no.

B... Black, E... Blue, R... Red color

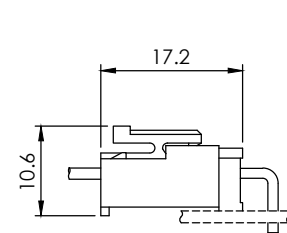
X... Plating Selection: T... Tin, V... Matte Tin

P.C. Board Layout / Assembly Layout

Straight Type



Right-Angle Type



3.96 Pitch 3960 SERIES CONNECTOR



3.96 mm Pitch Wire-to-Board Connector



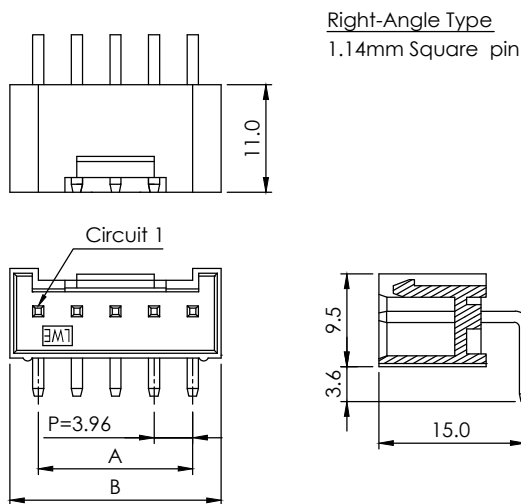
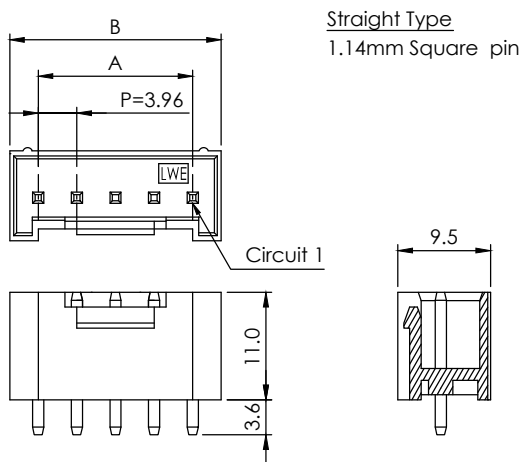
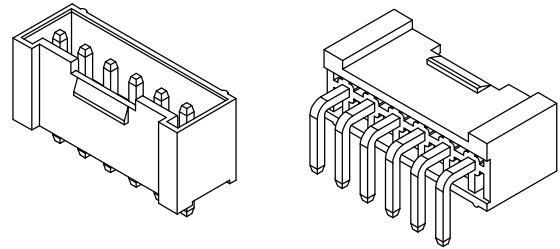
Specifications

- ◇ Current rating: 7A AC/DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 1500V AC/Minute
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Mates with 3960S Series Plug Housing
- ◇ Certification: refer to 3960S series
- ◇ GWT 850° C rated product is available

3961P, 3962P DIP Header (Type 1)



Ordering Information

Circuits	Part No.		Dimension	
	Straight	Right Angle	A	B
2	3961P02 10T	3962P02 10T	3.96	9.80
3	3961P03 10T	3962P03 10T	7.92	13.76
4	3961P04 10T	3962P04 10T	11.88	17.72
5	3961P05 10T	3962P05 10T	15.84	21.68
6	3961P06 10T	3962P06 10T	19.80	25.64
7	3961P07 10T	3962P07 10T	23.76	29.60
8	3961P08 10T	3962P08 10T	27.72	33.56
9	3961P09 10T	3962P09 10T	31.68	37.52
10	3961P10 10T	3962P10 10T	35.64	41.48
11	3961P11 10T	3962P11 10T	39.60	45.44
12	3961P12 10T	3962P12 10T	43.56	49.40

Material

Part	Material / Finish
Base	Nylon 66 94V-0, white (natural color)
Contact	Brass, Tin-plated

※ Color Identification: the following alphabet shall be put,

ex. 3961P 04 1 0 X (natural color)

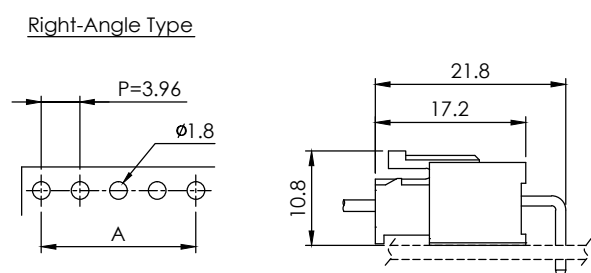
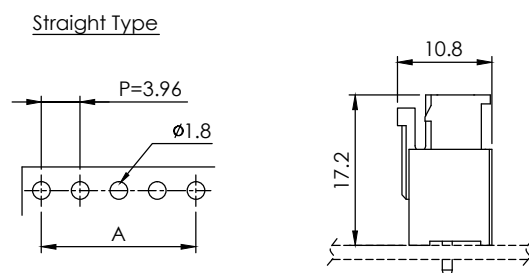
ex. 3961P 04 1 0 X - B

ex. 3962P 04 1 0 X - R

04... Circuit no. B... Black, E... Blue, R... Red color

X... Plating Selection: T... Tin, V... Matte Tin

P.C. Board Layout / Assembly Layout



3.96 Pitch 3960 SERIES CONNECTOR



3.96 mm Pitch Wire-to-Board Connector



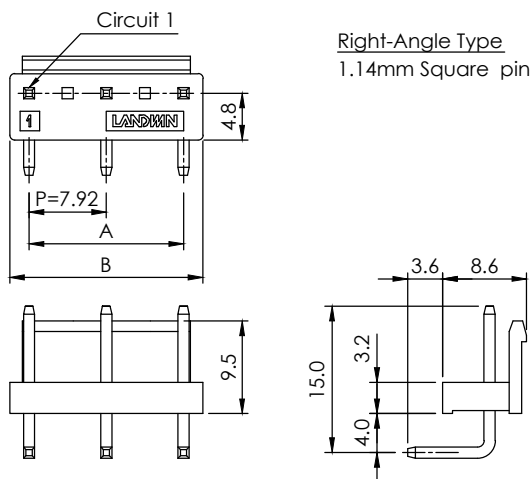
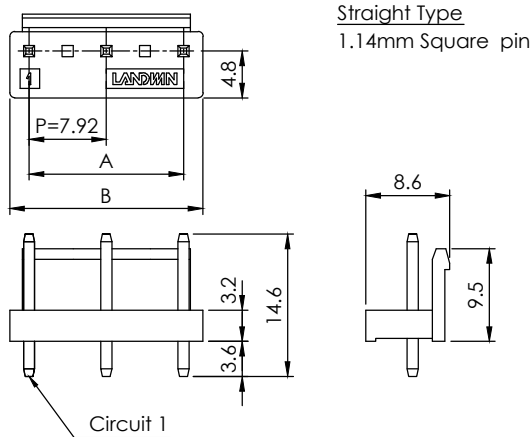
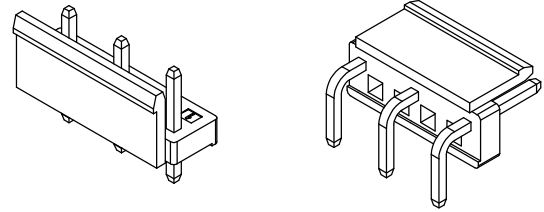
Specifications

- ◇ Current rating: 7A AC/DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 1500V AC/Minute
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Mates with 3960S Series Plug Housing
- ◇ Certification: refer to 3960S series
- ◇ GWT 850° C rated product is available

3961P, 3962P DIP Header (Type NB)
Pitch = 7.92 mm



Ordering Information

Circuits	Part No.		Dimension	
	Straight	Right Angle	A	B
2	3961P03 00T-SN02	3962P03 00T-SN02	7.92	11.88
3	3961P05 00T-SNB2	3962P05 00T-SNB2	15.84	19.80
4	3961P07 00T-SNC2	3962P07 00T-SNC2	23.76	27.72
5	3961P09 00T-SND2	3962P09 00T-SND2	31.68	35.64
6	3961P11 00T-SNE2	3962P11 00T-SNE2	39.60	43.56
7	3961P13 00T-SNF2	3962P13 00T-SNF2	47.52	51.48
8	3961P15 00T-SNG2	3962P15 00T-SNG2	55.44	59.40

Material

Part	Material / Finish
Base	Nylon 66 94V-0, White (natural color)
Contact	Brass, Tin-plated

※ Color Identification: the following alphabet shall be put,

ex. 3961P 05 0 0 X - S NB2

ex. 3962P 05 0 0 X - B NB2

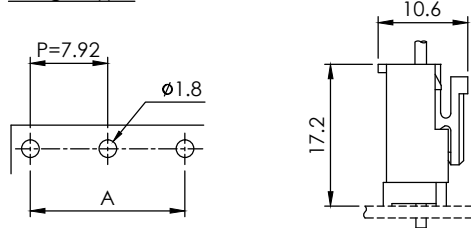
05... Circuit no.

B... Black, R... Red, S... white /natural color

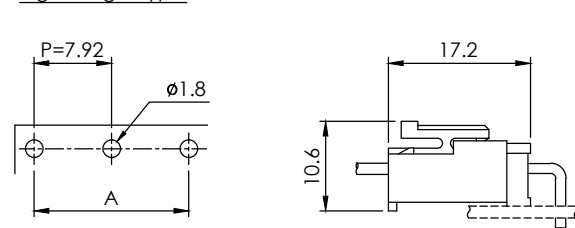
X... Plating Selection: T... Tin, V... Matte Tin

P.C. Board Layout / Assembly Layout

Straight Type



Right-Angle Type



3.96 Pitch 3960 SERIES CONNECTOR



3.96 mm Pitch Wire-to-Board Connector



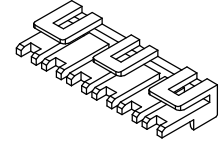
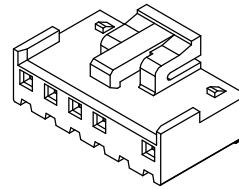
Specifications

- ◇ Current rating: 7A AC/DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 1500V AC/Minute
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

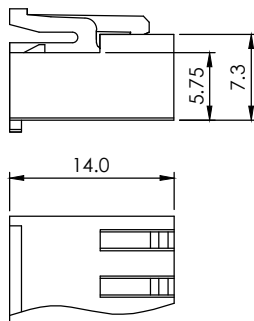
- ◇ Mates with 3961P, 3962P Type-N2 High Temperature Header
- ◇ Use with 3963T Crimp Terminal
- ◇ Certification: refer to 3960S series
- ◇ GWT 850° C rated product is available
- ◇ Applicable wire gauge: AWG 18 - 22 and AWG 16 - 20

3960S Plug Housing (Type A) High-Temperature

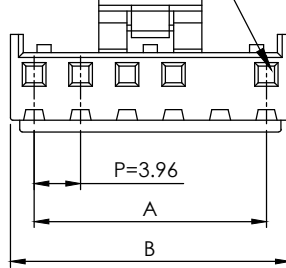


3960A (T.P.A.)

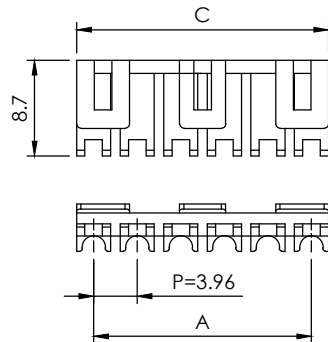
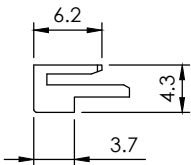
3960S Housing



Circuit 1



3960A (T.P.A.)



Ordering Information

HIGH-TEMPERATURE

Circuits	Part No.		Dimension		
	Housing	T.P.A	A	B	C
2	3960S02 A1	3960A03 31	7.92	11.98	11.02
3	3960S03 A1	3960A04 31	11.88	15.94	14.98
4	3960S04 A1	3960A05 31	15.84	19.90	18.94
5	3960S05 A1	3960A06 31	19.80	23.86	22.90
6	3960S06 A1	3960A07 31	23.76	27.82	26.86
7	3960S07 A1	3960A08 31	27.72	31.78	30.82
8	3960S08 A1	3960A09 31	31.68	35.74	34.78
9	3960S09 A1	3960A10 31	35.64	39.70	38.74
10	3960S10 A1	3960A11 31	39.60	43.66	42.70
11	3960S11 A1	3960A12 31	43.56	47.62	46.66
12	3960S12 A1	3960A13 31	47.52	51.58	50.62
13	3960S13 A1	3960A14 31	51.48	55.54	54.58
14	3960S14 A1	3960A15 31	55.44	59.50	58.54

Material

Part	Material / Finish
Housing	Glass-filled Nylon 66 94V-0, Light ivory color
T.P.A	Glass-filled Nylon 66 94V-0, Light ivory color

※ Color Identification: the following alphabet shall be put,

ex. 3960S 04 A 1 (Light ivory / base color)

ex. 3960S 04 A 1 - B

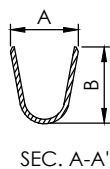
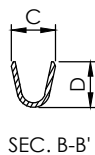
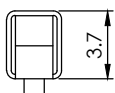
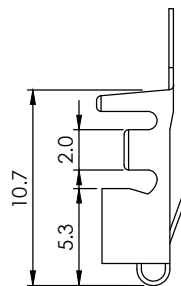
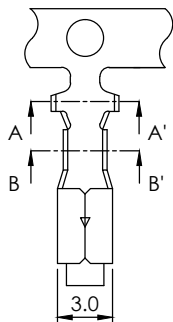
ex. 3960A 04 2 1 (Light ivory / base color)

ex. 3960A 04 2 1 - R

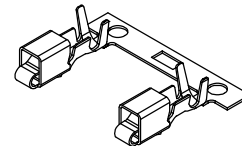
04... Circuit no. B... Black, R... Red (color selection)

Reference

- ◇ Use with 3960S, 5000S, 5080S Type-N Plug Housing



3963T Crimp Terminal High-Temperature



Ordering Information

Part No.	Applicable Wire		Q'ty / Reel
	AWG #	Insulation O.D. mm	
3963T012V	18 - 22	2.7 Max.	3,500
3963T022V	16 - 20	3.0 Max.	3,000

Part No.	A	B	C	D
3963T012V	3.7	4.2	2.4	2.5
3963T022V	4.0	4.8	3.1	3.4

Material: Brass, Matte Tin-plated

3.96 Pitch 3960 SERIES CONNECTOR



3.96 mm Pitch Wire-to-Board Connector



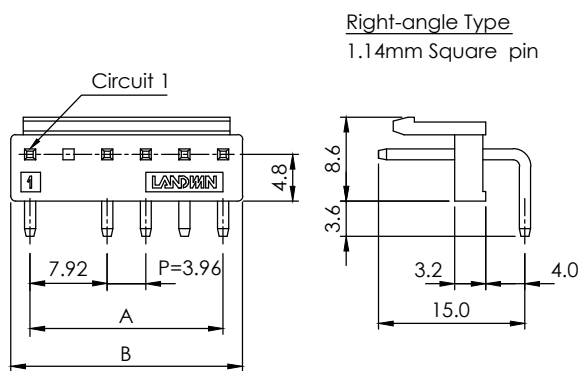
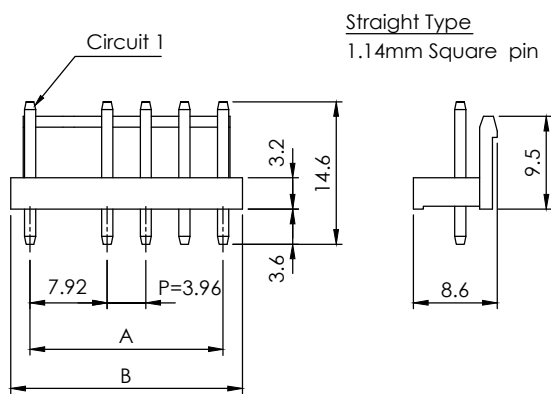
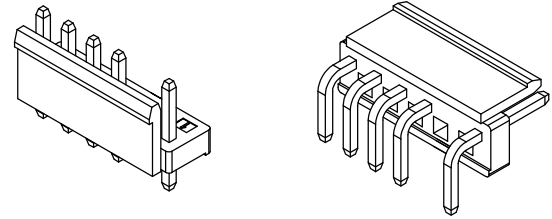
Specifications

- ◇ Current rating: 7A AC/DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 1500V AC/Minute
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Mates with 3960S Type-A series plug housing
- ◇ Certification: refer to 3960S series
- ◇ GWT 850° C rated product is available

3961P, 3962P DIP Header (Type N2)
High-Temperature



Ordering Information

HIGH-TEMPERATURE

Circuits	Part No.		Dimension	
	Straight	Right Angle	A	B
2	3961P03 01V-SN02	3962P03 01V-SN02	7.92	11.88
3	3961P04 01V-SN02	3962P04 01V-SN02	11.88	15.84
4	3961P05 01V-SN02	3962P05 01V-SN02	15.84	19.80
5	3961P06 01V-SN02	3962P06 01V-SN02	19.80	23.76
6	3961P07 01V-SN02	3962P07 01V-SN02	23.76	27.72
7	3961P08 01V-SN02	3962P08 01V-SN02	27.72	31.68
8	3961P09 01V-SN02	3962P09 01V-SN02	31.68	35.64
9	3961P10 01V-SN02	3962P10 01V-SN02	35.64	39.60
10	3961P11 01V-SN02	3962P11 01V-SN02	39.60	43.56
11	3961P12 01V-SN02	3962P12 01V-SN02	43.56	47.52
12	3961P13 01V-SN02	3962P13 01V-SN02	47.52	51.48
13	3961P14 01V-SN02	3962P14 01V-SN02	51.48	55.44
14	3961P15 01V-SN02	3962P15 01V-SN02	55.44	59.40

Material

Part	Material / Finish
Base	Glass-filled Nylon 66 94V-0, Light ivory color
Contact	Brass, Matte Tin-plated

※ Color Identification: the following alphabet shall be put;

ex. 3961P 04 0 1 X - S N02

ex. 3961P 04 0 1 X - B N02

ex. 3962P 04 0 1 X - R N02

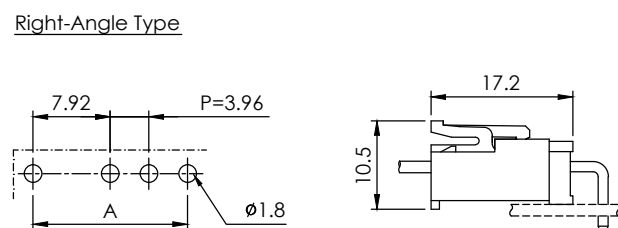
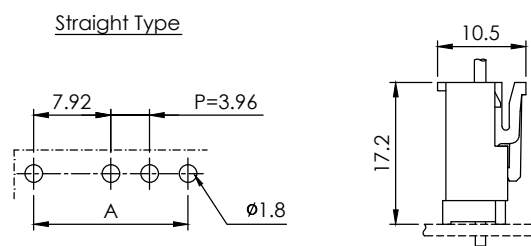
04... Circuit no.

B... Black, E... Blue, R... Red, S... Natural color

X... Plating Selection: V... Matte Tin

N02... Pin no.2 void

P.C. Board Layout / Assembly Layout



3.96 Pitch 3960 SERIES CONNECTOR



3.96 mm Pitch Wire-to-Board Connector



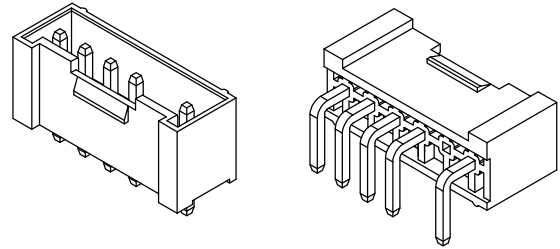
Specifications

- ◇ Current rating: 7A AC/DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 1500V AC/Minute
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

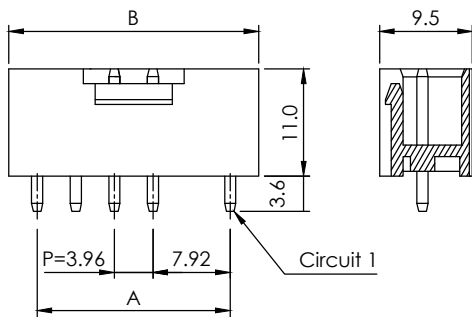
Reference

- ◇ Mates with 3960S Type-A series plug housing
- ◇ Certification: refer to 3960S series
- ◇ GWT 850° C rated product is available

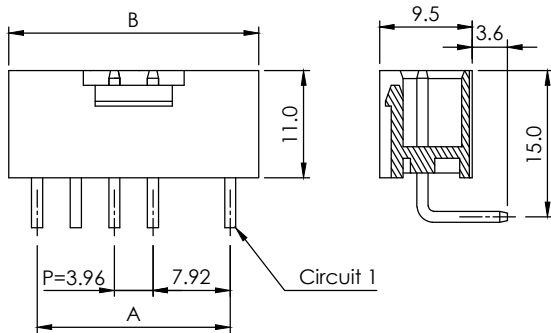
3961P, 3962P DIP Header (Type 1N2)
High-Temperature



Straight Type
1.14mm Square pin



Right-angle Type
1.14mm Square pin



Ordering Information

HIGH-TEMPERATURE

Circuits	Part No.		Dimension	
	Straight	Right Angle	A	B
2	3961P03 11V-SN02	3962P03 11V-SN02	7.92	13.76
3	3961P04 11V-SN02	3962P04 11V-SN02	11.88	17.72
4	3961P05 11V-SN02	3962P05 11V-SN02	15.84	21.68
5	3961P06 11V-SN02	3962P06 11V-SN02	19.80	25.64
6	3961P07 11V-SN02	3962P07 11V-SN02	23.76	29.60
7	3961P08 11V-SN02	3962P08 11V-SN02	27.72	33.56
8	3961P09 11V-SN02	3962P09 11V-SN02	31.68	37.52
9	3961P10 11V-SN02	3962P10 11V-SN02	35.64	41.48
10	3961P11 11V-SN02	3962P11 11V-SN02	39.60	45.44
11	3961P12 11V-SN02	3962P12 11V-SN02	43.56	49.40

Material

Part	Material / Finish
Base	Glass-filled Nylon 66 94V-0, Light ivory color
Contact	Brass, Matte Tin-plated

※ Color Identification: the following alphabet shall be put:

ex. 3961P 04 1 1 X - S N02

ex. 3961P 04 1 1 X - B N02

ex. 3962P 04 1 1 X - E N02

04... Circuit no.

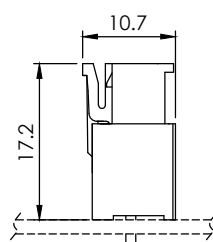
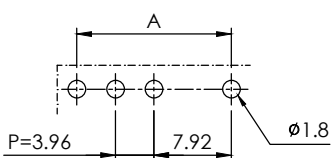
B... Black, E... Blue, S... light ivory (base color)

X... Plating Selection: V... Matte Tin

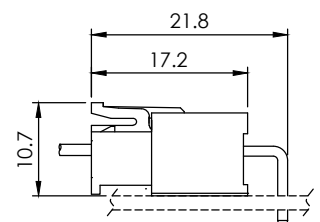
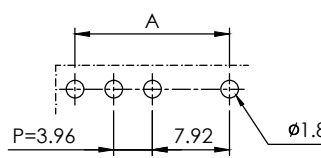
N02... Pin no.2 void

P.C. Board Layout / Assembly Layout

Straight Type



Right-Angle Type



3.96 Pitch 3960 SERIES CONNECTOR



3.96 mm Pitch Wire-to-Board Connector



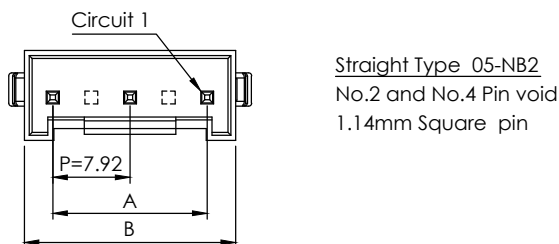
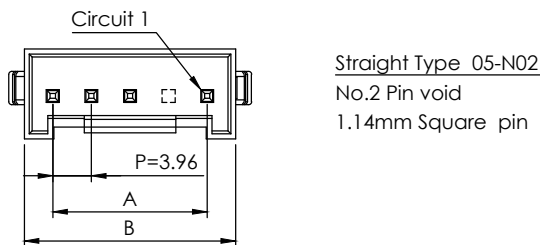
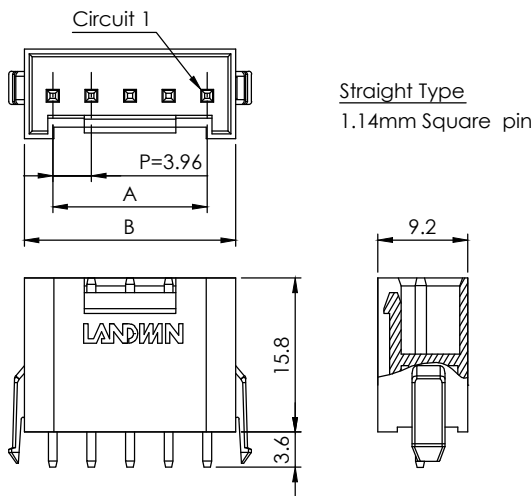
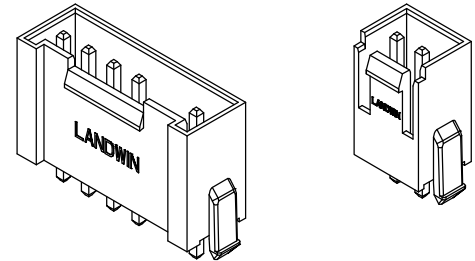
Specifications

- ◇ Current rating: 7A AC/DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 1500V AC/Minute
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Mates with 3960S Type-XA Series Plug Housing
- ◇ Type-N2 mates with 3960S Type-A Series Plug Housing
- ◇ Certification: refer to 3960S series
- ◇ GWT 850° C rated product is available

3961P DIP Header (Type 3) High-Profile, for Silicon PCB



Ordering Information HIGH-TEMPERATURE

PIN No.	Part No.		Dimension	
	Full Pins	Void Pin Type	A	B
2	3961P02 31V	N/A	3.96	9.80
3	3961P03 31V	3961P03 31V-SN02	7.92	13.76
5	3961P05 31V	3961P05 31V-SNB2	15.84	21.68

Material

Part	Material / Finish
Base	Glass-filled Nylon 66 94V-0, Light ivory color
Contact	Brass, Matte Tin-plated

※ Color Identification: the following alphabet shall be put;

ex. 3961P 03 3 1 X - S N02 (pin no.2 void)

ex. 3961P 05 3 1 X - B NB2 (pin no.2, 4 void)

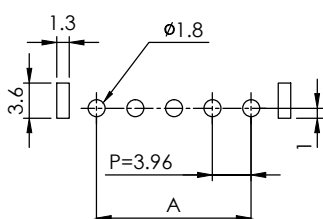
ex. 3961P 05 3 1 X - R NB2 (pin no.2, 4 void)

04... Circuit no., B... Black, S... light ivory (base color), R... Red color

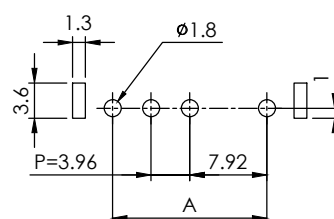
X... Plating no.: V... Matte Tin

P.C. Board Layout / Assembly Layout

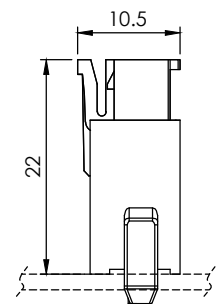
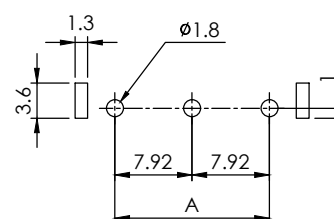
Straight Type



Straight Type(Pin No.2 Void)



Straight Type(Pin No.2, 4 Void)



3.96 Pitch 3960 SERIES CONNECTOR



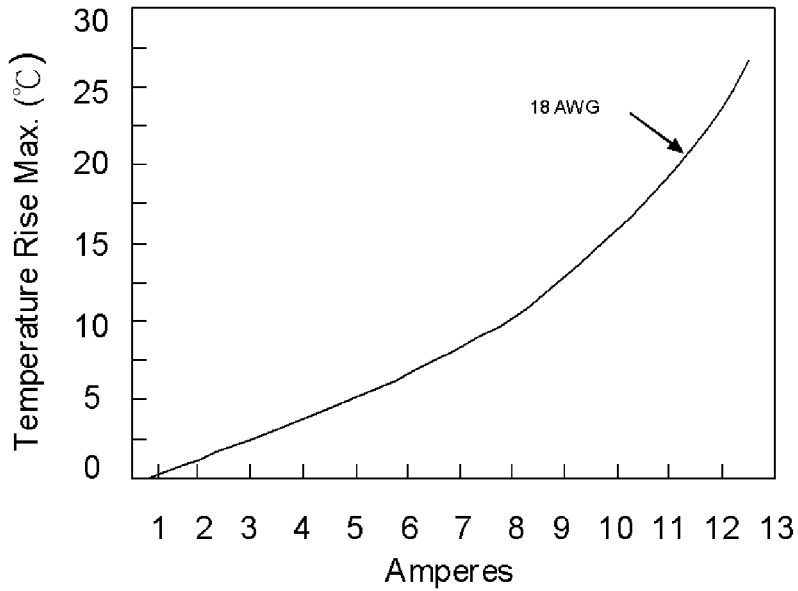
3.96 mm Pitch Wire-to-Board Connector

RoHS REACH LF HFA GWT

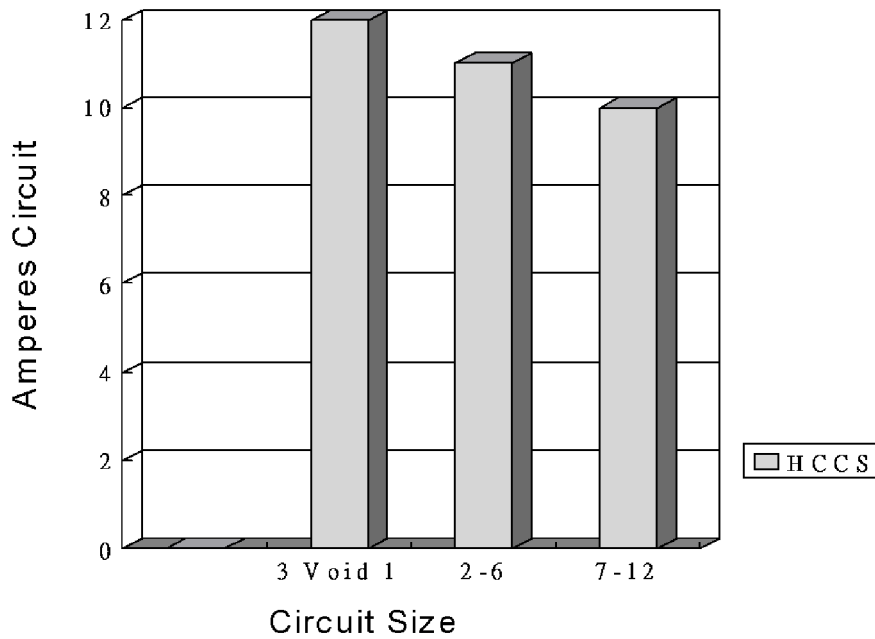
3.96 Pitch High Current Connector
System Overview (HCCS)

(DERATING CURVE)

TEMPERATURE RISE CURVE



CURRENT INCREASE TABLE



3.96 Pitch 3960 SERIES CONNECTOR



3.96 mm Pitch Wire-to-Board Connector



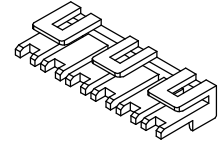
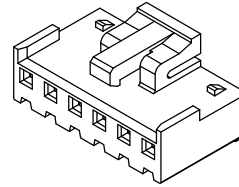
Specifications

- ◇ Current rating: 12A AC/DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 1500V AC/Minute
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

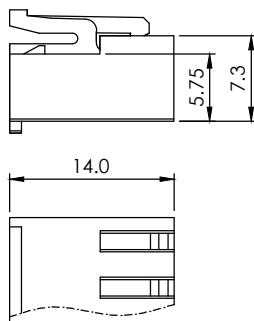
- ◇ Mates with 3961P, 3962P Series Header
- ◇ Use with 3963T Crimp Terminal
- ◇ Certification: UL, TUV
- ◇ Applicable wire gauge: AWG 18 - 22 and AWG 16 - 20

3960S Plug Housing (Type XA) GWT Compliant

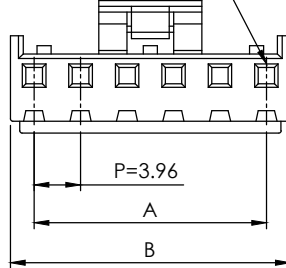


3960A (T.P.A.)

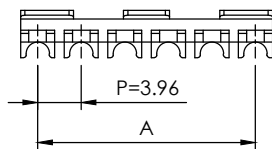
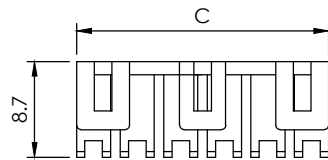
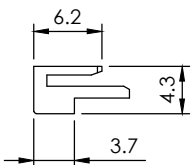
3960S Housing



Circuit 1



3960A (T.P.A.)



Ordering Information

GWT 850° C Rated

PIN No.	Part No.		Dimension		
	Housing	T.P.A	A	B	C
2	3960S02 01-SA	3960A02 31	3.96	8.02	7.06
3	3960S03 01-SA	3960A03 31	7.92	11.98	11.02
4	3960S04 01-SA	3960A04 31	11.88	15.94	14.98
5	3960S05 01-SA	3960A05 31	15.84	19.90	18.94
6	3960S06 01-SA	3960A06 31	19.80	23.86	22.90
7	3960S07 01-SA	3960A07 31	23.76	27.82	26.86
8	3960S08 01-SA	3960A08 31	27.72	31.78	30.82
9	3960S09 01-SA	3960A09 31	31.68	35.74	34.78
10	3960S10 01-SA	3960A10 31	35.64	39.70	38.74
11	3960S11 01-SA	3960A11 31	39.60	43.66	42.70
12	3960S12 01-SA	3960A12 31	43.56	47.62	46.66
13	3960S13 01-SA	3960A13 31	47.52	51.58	50.62
14	3960S14 01-SA	3960A14 31	51.48	55.54	54.58
15	3960S15 01-SA	3960A15 31	55.44	59.50	58.54

Material

Part	Material / Finish
Housing	Glass-filled Nylon 66 94V-0, Light ivory color
T.P.A	Glass-filled Nylon 66 94V-0, Light ivory color

※ Color Identification: the following alphabet shall be put,

ex. 3960S 04 0 1 - B A

ex. 3960S 04 0 1 - S A

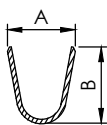
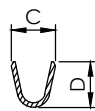
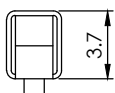
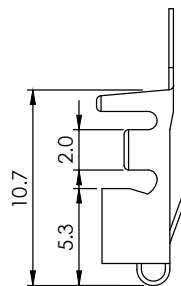
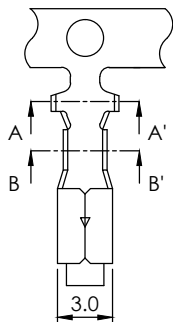
ex. 3960A 04 2 1 - R

04... Circuit no.

Color no.: B... Black color, R... Red, S... Light ivory (base color)

Reference

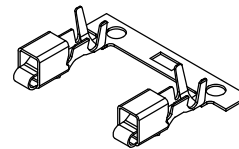
- ◇ Use with 3960S Type-XA Plug Housing



SEC. B-B'

SEC. A-A'

3963T Crimp Terminal High-Cuurent



Ordering Information

Part No.	Applicable Wire		Q'ty / Reel
	AWG #	Insulation O.D. mm	
3963T019V	18 - 22	2.7 Max.	3,500
3963T029V	16 - 20	3.0 Max.	3,000

Part No.	A	B	C	D
3963T019V	3.7	4.2	2.4	2.5
3963T029V	4.0	4.8	3.1	3.4

Material: Copper Alloy, Matte Tin-plated

3.96 Pitch 3960 SERIES CONNECTOR



3.96 mm Pitch Wire-to-Board Connector



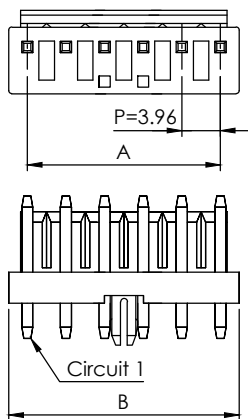
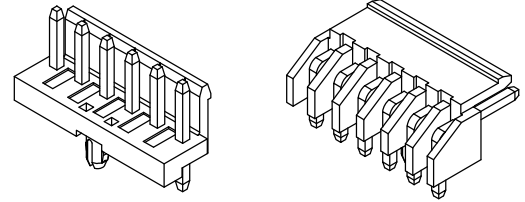
Specifications

- ◇ Current rating: 12A AC/DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 1500V AC/Minute
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

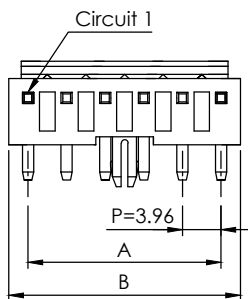
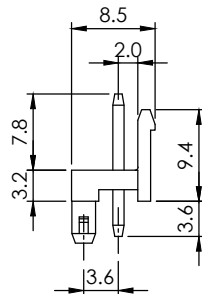
Reference

- ◇ Mates with 3960S Type-XA series plug housing
- ◇ Certification: refer to 3960S series
- ◇ GWT 850° C rated product is available

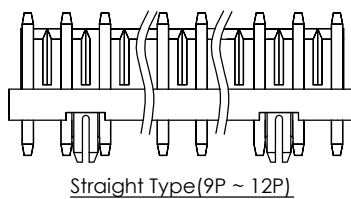
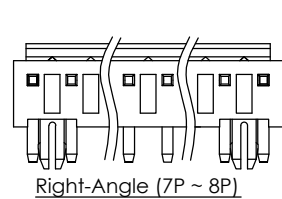
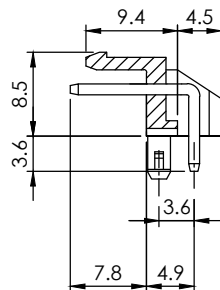
3961P, 3962P DIP Header (Type D)
High-Current Application



Straight Type (1.14mm SQ. Pin)



Right-Angle Type (1.14mm SQ. Pin)



Ordering Information

HHCS SERIES

Circuits	Part No.		Dimension	
	Straight	Right-angle	A	B
2	3961P02 D1V -A	3962P02 D1V -A	3.96	7.92
3	3961P03 D1V -A	3962P03 D1V -A	7.92	11.88
4	3961P04 D1V -A	3962P04 D1V -A	11.88	15.84
5	3961P05 D1V -A	3962P05 D1V -A	15.84	19.80
6	3961P06 D1V -A	3962P06 D1V -A	19.80	23.76
7	3961P07 D1V -A	3962P07 D1V -A	23.76	27.72
8	3961P08 D1V -A	3962P08 D1V -A	27.72	31.68
9	3961P09 D1V -A	3962P09 D1V -A	31.68	35.64
10	3961P10 D1V -A	3962P10 D1V -A	35.64	39.60
11	3961P11 D1V -A	3962P11 D1V -A	39.60	43.56
12	3961P12 D1V -A	3962P12 D1V -A	43.56	47.52

Material

Part	Material / Finish
Base	Glass-filled Nylon 66 94V-0, Light ivory color
Contact	Copper Alloy, Matte tin-plated

※ PART NUMBER ASSIGNMENT:

ex. 3961P 04 D 1 X - A

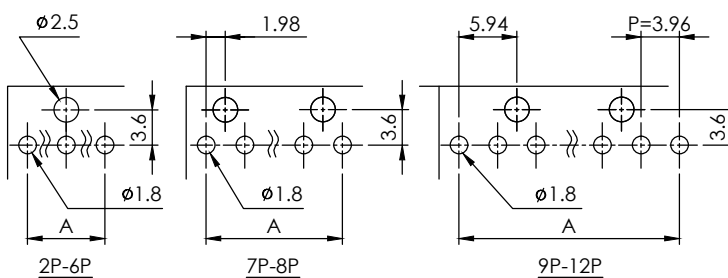
ex. 3962P 04 D 1 X - A

04... Circuit no.

A... High Current Type

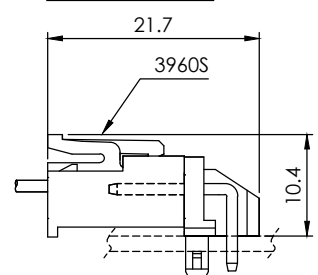
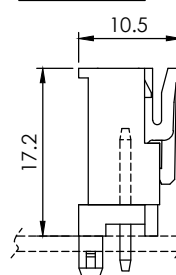
X... Plating Selection, V... Matte Tin

P.C. Board Layout / Assembly Layout



Straight Type

Right-Angle Type



3.96 Pitch 3940 SERIES CONNECTOR



3.96 mm Pitch Wire-to-Board, Wire-to-Wire Connector



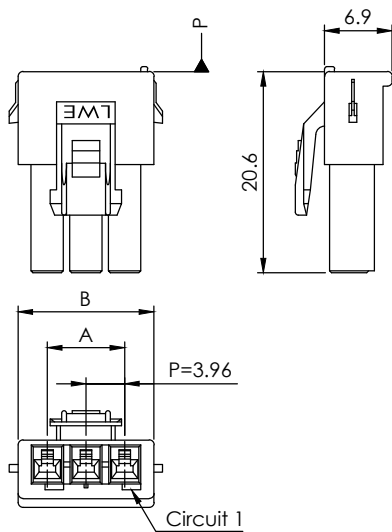
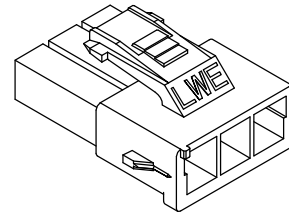
Specifications

- ◇ Current rating: 9A AC/DC Max.
- ◇ Voltage Range: 300V AC,DC
- ◇ Withstand Voltage: 2200V AC/Minute
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Mates with 3941P, 3942P Series DIP Header
- ◇ Mates with 3940M Series Single-row Receptacle Housing
- ◇ Use with 3943TF Crimp Terminal
- ◇ Certification: cUL, TUV
- ◇ Applicable wire gauge: AWG 16 - 20

3940F Single-Row Plug Housing



Ordering Information

Circuits	Part No.	Dimension	
		A	B
2	3940F02 00	3.96	9.9
3	3940F03 00	7.92	13.9
4	3940F04 00	11.88	17.8
5	3940F05 00	15.84	21.8
6	3940F06 00	19.80	25.7
7	3940F07 00	23.76	29.7
8	3940F08 00	27.72	33.7
9	3940F09 00	31.68	37.6
10	3940F10 00	35.64	41.6
11	3940F11 00	39.60	45.5
12	3940F12 00	43.56	49.5

Material

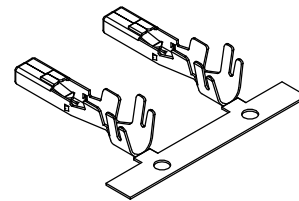
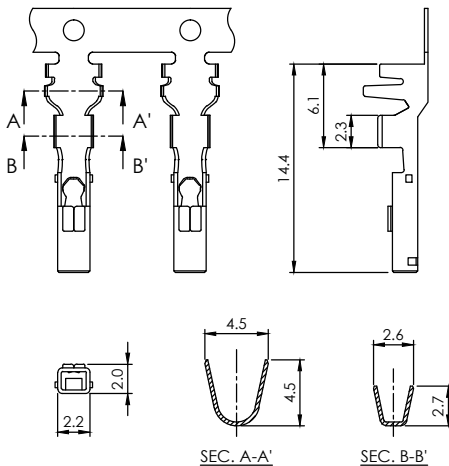
Part	Material / Finish
Housing	Nylon 66 94V-0, white (natural color)

※ Color Identification: the following alphabet shall be put,
 ex. 3940F 04 0 0 (natural color)
 ex. 3940F 04 0 0 - B
 04... Circuit no. B... Black, E... Blue, R... Red color

Reference

- ◇ Use with 3940F Series Plug Housing

3943TF Crimp Terminal



Ordering Information

Part No.	Applicable Wire		
	AWG #	Insulation O.D. mm	Q'ty / Reel
3943TF11R	16 - 20	3.1 Max.	4,500

Part No.	Material
3943TF11R	Phosphor Bronze Tin-Plated

3.96 Pitch 3940 SERIES CONNECTOR



3.96 mm Pitch Wire-to-Board, Wire-to-Wire Connector

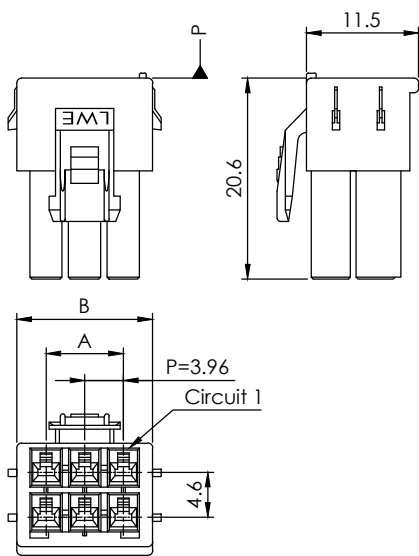


Specifications

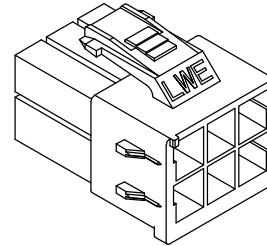
- ◇ Current rating: 9A AC/DC Max.
- ◇ Voltage Range: 300V AC,DC
- ◇ Withstand Voltage: 2200V AC/Minute
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Mates with 3941P, 3942P Series DIP Header
- ◇ Mates with 3940M Series Dual-row Receptacle Housing
- ◇ Use with 3943TF Crimp Terminal
- ◇ Certification: cUL, TUV
- ◇ Applicable wire gauge: AWG 16 - 20



3940F Dual-Row Plug Housing



Ordering Information

Circuits	Part No.	Dimension	
		A	B
4	3940F04 10	3.96	9.9
6	3940F06 10	7.92	13.9
8	3940F08 10	11.88	17.8
10	3940F10 10	15.84	21.8
12	3940F12 10	19.80	25.7
14	3940F14 10	23.76	29.7
16	3940F16 10	27.72	33.7
18	3940F18 10	31.68	37.6
20	3940F20 10	35.64	41.6
22	3940F22 10	39.60	45.5
24	3940F24 10	43.56	49.5

Material

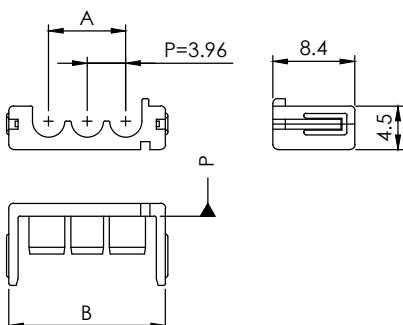
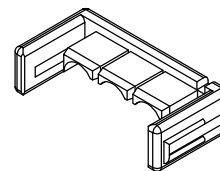
Part	Material / Finish
Housing	Nylon 66 94V-0, white (natural color)

※ Color Identification: the following alphabet shall be put,
 ex. 3940F 04 1 0 (natural color)
 ex. 3940F 04 1 0 - B
 04... Circuit no. B... Black, E... Blue, R... Red color

Reference

- ◇ Mates with 3940F Series Plug Housing

3940A Retainer (T.P.A.)



Ordering Information

PIN Nos	Part No.	Dimension		PIN Nos	Part No.	Dimension	
		A	B			A	B
2	3940A0200	3.96	12.1	8	3940A0800	27.72	35.9
3	3940A0300	7.92	16.1	9	3940A0900	31.68	39.8
4	3940A0400	11.88	20.0	10	3940A1000	35.64	43.8
5	3940A0500	15.84	24.0	11	3940A1100	39.60	47.7
6	3940A0600	19.80	27.9	12	3940A1200	43.56	51.7
7	3940A0700	23.76	31.9				

※ Color Identification: the following alphabet shall be put,
 ex. 3940A 04 0 0 - R (04... Circuit no., R... Red color)
 ex. 3940A 04 0 0 (White; natural color)

3.96 Pitch 3940 SERIES CONNECTOR



3.96 mm Pitch Wire-to-Board Connector



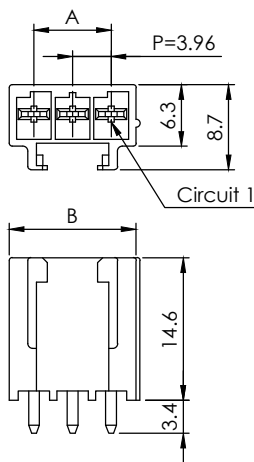
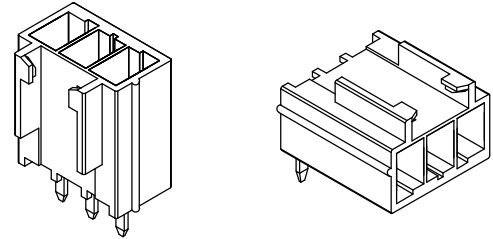
Specifications

- ◇ Current rating: 9A AC/DC Max.
- ◇ Voltage Range: 300V AC,DC
- ◇ Withstand Voltage: 2200V AC/Minute
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

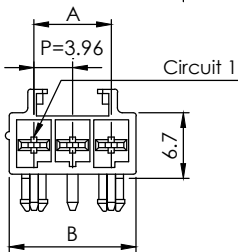
Reference

- ◇ Mates with 3940F Series Single-row Plug Housing
- ◇ Certification: cUL, TUV
- ◇ GWT 850° C rated product is available

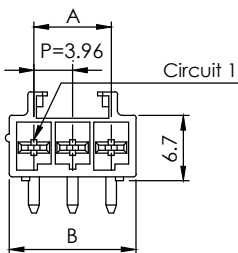
3941P, 3942P Single-Row Header



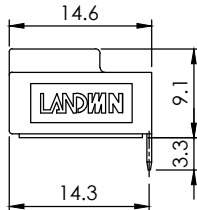
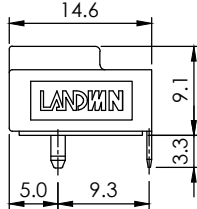
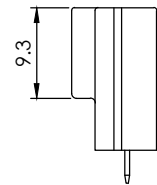
Straight-Type



Right-Angle Type (With peg)



Right-Angle Type (W/O Peg)



Ordering Information

Circuits	Part No.		Dimension	
	Straight	Right-angle	A	B
2	3941P02 01V	3942P02 01V	3.96	9.0
3	3941P03 01V	3942P03 01V	7.92	13.0
4	3941P04 01V	3942P04 01V	11.88	17.0
5	3941P05 01V	3942P05 01V	15.84	21.0
6	3941P06 01V	3942P06 01V	19.80	25.0
7	3941P07 01V	3942P07 01V	23.76	28.8
8	3941P08 01V	3942P08 01V	27.72	32.8
9	3941P09 01V	3942P09 01V	31.68	36.7
10	3941P10 01V	3942P10 01V	35.64	40.7
11	3941P11 01V	3942P11 01V	39.60	44.6
12	3941P12 01V	3942P12 01V	43.56	48.6

Material

Part	Material / Finish
Base	Glass-filled Nylon 66 94V-0, Light ivory color
Contact	Brass, matte tin-plated

※ PART NUMBER ASSIGNMENT:

- ex. 3941P XX 0 1 X (Straight Type)
- ex. 3942P XX 0 1 X (Right-angle with peg)
- ex. 3942P XX 0 1 X - S F (Right-angle without peg)
- ex. 3941P XX 0 1 X - S
- ex. 3942P XX 0 1 X - R

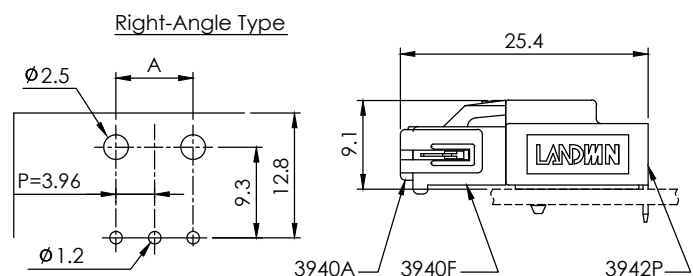
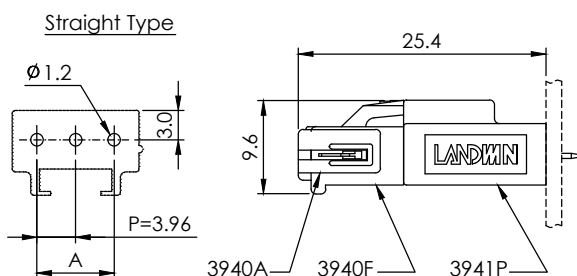
XX... Circuit Nos (PIN Numbers)

X... Plating Selection: V... Matte Tin

Color selection: S... Light ivory (base color), R... red, B... black

Type no.: F... Without peg

P.C. Board Layout / Assembly Layout



3.96 Pitch 3940 SERIES CONNECTOR



3.96 mm Pitch Wire-to-Board Connector



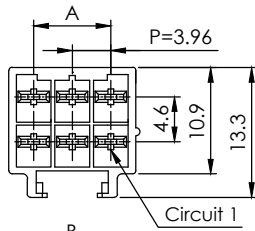
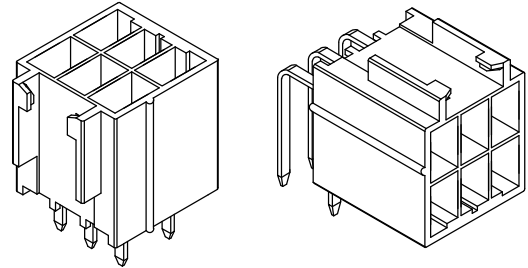
Specifications

- ◇ Current rating: 9A AC/DC Max.
- ◇ Voltage Range: 300V AC,DC
- ◇ Withstand Voltage: 2200V AC/Minute
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

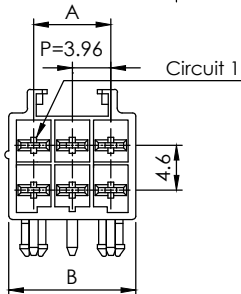
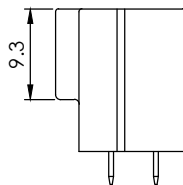
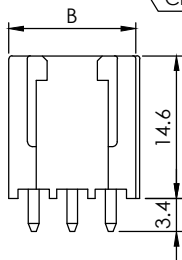
Reference

- ◇ Mates with 3940F Series Dual-row Plug Housing
- ◇ Certification: cUL, TUV
- ◇ GWT 850° C rated product is available

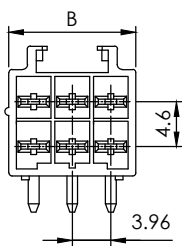
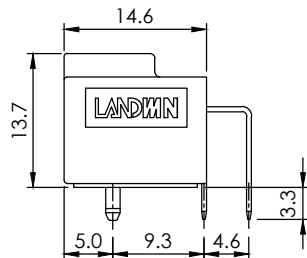
3941P, 3942P Dual-Row Header



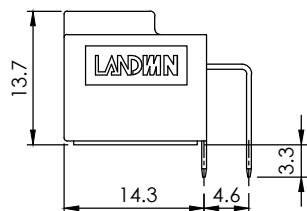
Straight-Type



Right-Angle Type (With Peg)



Right-Angle Type (W/O Peg)



Ordering Information

Circuits	Part No.		Dimension	
	Straight	Right-angle	A	B
4	3941P04 21V	3942P04 21V	3.96	9.0
6	3941P06 21V	3942P06 21V	7.92	13.0
8	3941P08 21V	3942P08 21V	11.88	17.0
10	3941P10 21V	3942P10 21V	15.84	21.0
12	3941P12 21V	3942P12 21V	19.80	25.0
14	3941P14 21V	3942P14 21V	23.76	28.8
16	3941P16 21V	3942P16 21V	27.72	32.8
18	3941P18 21V	3942P18 21V	31.68	36.7
20	3941P20 21V	3942P20 21V	35.64	40.7
22	3941P22 21V	3942P22 21V	39.60	44.6
24	3941P24 21V	3942P24 21V	43.56	48.6

Material

Part	Material / Finish
Base	Glass-filled Nylon 66 94V-0, Light ivory color
Contact	Brass, matte tin-plated

※ PART NUMBER ASSIGNMENT:

- ex. 3941P XX 2 1 X (Straight Type)
- ex. 3942P XX 2 1 X (Right-angle with peg)
- ex. 3942P XX 2 1 X - S F (Right-angle without peg)
- ex. 3941P XX 2 1 X - S
- ex. 3942P XX 2 1 X - R

XX... Circuit Nos (PIN Numbers)

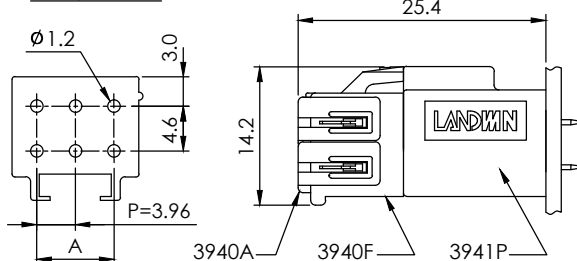
X... Plating Selection: V... Matte Tin

Color selection: S... Light ivory (base color), R... red, B... black

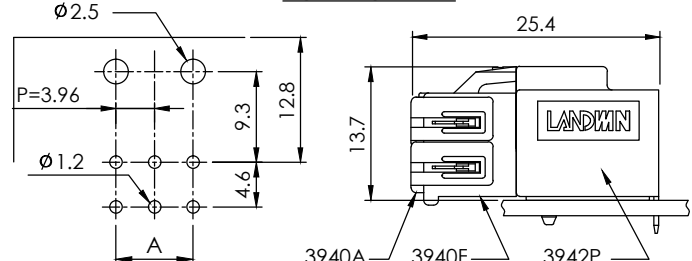
Type no.: F... Without peg

P.C. Board Layout / Assembly Layout

Straight Type



Right-Angle Type



3.96 Pitch 3940 SERIES CONNECTOR



3.96 mm Pitch Wire-to-Wire Connector



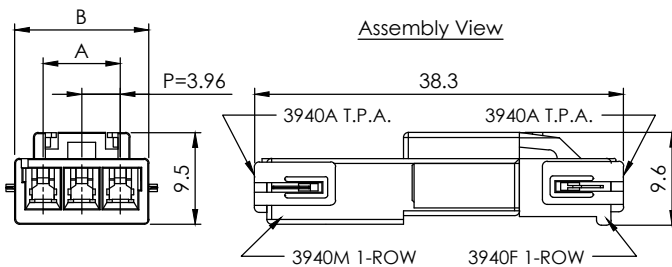
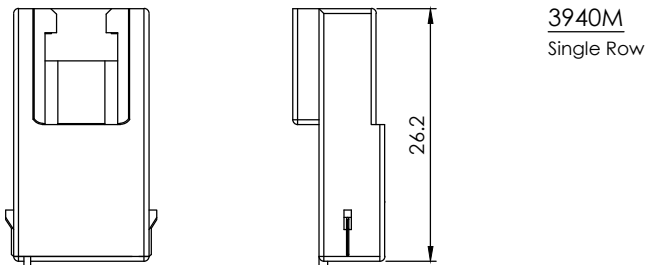
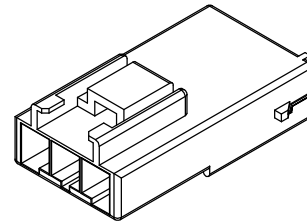
Specifications

- ◇ Current rating: 9A AC/DC Max.
- ◇ Voltage Range: 300V AC,DC
- ◇ Withstand Voltage: 2200V AC/Minute
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Mates with 3940F Series Single-row Plug Housing
- ◇ Use with 3943TM Pin-Contact Crimp Terminal
- ◇ Certification: cUL, TUV
- ◇ GWT 850° C rated product is available
- ◇ Applicable wire gauge: AWG 16 - 20

3940M Single-Row Receptacle Housing



Ordering Information

Circuits	Part No.	Dimension	
		A	B
2	3940M02 00	3.96	9.9
3	3940M03 00	7.92	13.9
4	3940M04 00	11.88	17.8
5	3940M05 00	15.84	21.8
6	3940M06 00	19.80	25.7
7	3940M07 00	23.76	29.7
8	3940M08 00	27.72	33.7
9	3940M09 00	31.68	37.6
10	3940M10 00	35.64	41.6
11	3940M11 00	39.60	45.5
12	3940M12 00	43.56	49.5

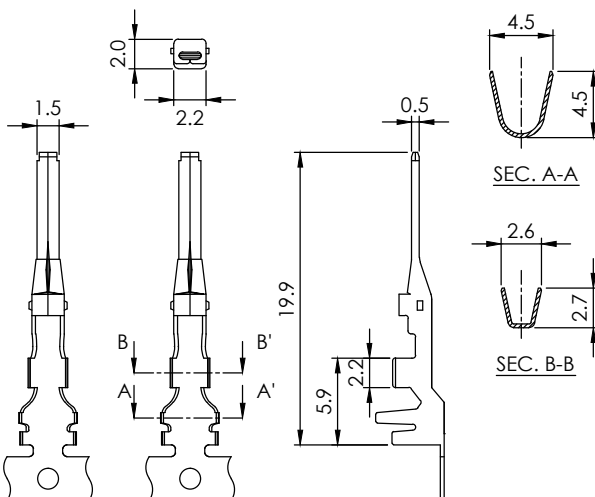
Material

Part	Material / Finish
Housing	Nylon 66 94V-0, white (natural color)

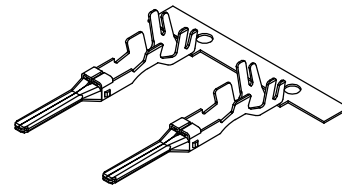
※ Color Identification: the following alphabet shall be put,
 ex. 3940M 04 0 0 (white /natural color)
 ex. 3940M 04 0 0 - B
 04... Circuit no. B... Black, E... Blue, R... Red color

Reference

- ◇ Use with 3940M Series Receptacle Housing



3943TM Pin-Contact Crimp Terminal



Ordering Information

Part No.	Applicable Wire		
	AWG #	Insulation O.D. mm	Q'ty / Reel
3943TM12R	16 - 20	3.1 Max.	4,000

Part No.	Material
3943TM12R	Brass Tin-Plated

3.96 Pitch 3940 SERIES CONNECTOR



3.96 mm Pitch Wire-to-Wire Connector



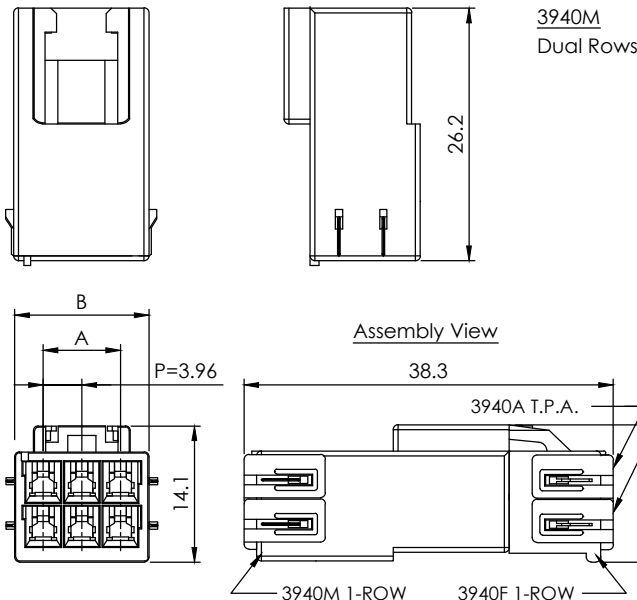
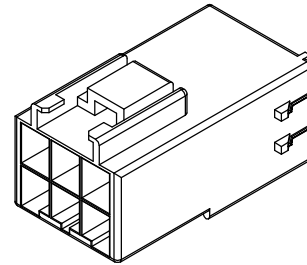
Specifications

- ◇ Current rating: 9A AC/DC Max.
- ◇ Voltage Range: 300V AC,DC
- ◇ Withstand Voltage: 2200V AC/Minute
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Mates with 3940F Series Dual-row Plug Housing
- ◇ Use with 3943TM Pin-Contact Crimp Terminal
- ◇ Certification: cUL, TUV
- ◇ Applicable wire gauge: AWG 16 - 20
- ◇ GWT 850° C rated product is available

3940M Dual-Row Receptacle Housing



Ordering Information

Circuits	Part No.	Dimension	
		A	B
4	3940M04 20	3.96	9.9
6	3940M06 20	7.92	13.9
8	3940M08 20	11.88	17.8
10	3940M10 20	15.84	21.8
12	3940M12 20	19.80	25.7
14	3940M14 20	23.76	29.7
16	3940M16 20	27.72	33.7
18	3940M18 20	31.68	37.6
20	3940M20 20	35.64	41.6
22	3940M22 20	39.60	45.5
24	3940M24 20	43.56	49.5

Material

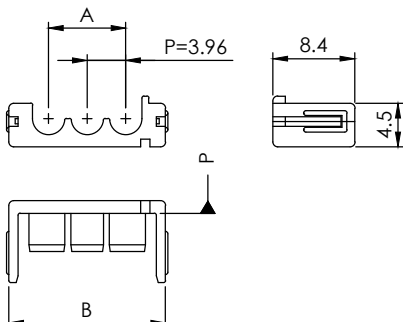
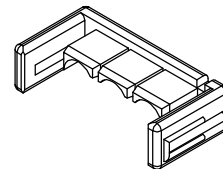
Part	Material / Finish
Housing	Nylon 66 94V-0, white (natural color)

※ Color Identification: the following alphabet shall be put,
 ex. 3940M 04 2 0 (natural color)
 ex. 3940M 04 2 0 - B
 04... Circuit no. B... Black, E... Blue, R... Red color

Reference

- ◇ Mates with 3940M Series Receptacle Housing

3940A Retainer (T.P.A.)



Ordering Information

PIN Nos	Part No.	Dimension		PIN Nos	Part No.	Dimension	
		A	B			A	B
2	3940A0200	3.96	12.1	8	3940A0800	27.72	35.9
3	3940A0300	7.92	16.1	9	3940A0900	31.68	39.8
4	3940A0400	11.88	20.0	10	3940A1000	35.64	43.8
5	3940A0500	15.84	24.0	11	3940A1100	39.60	47.7
6	3940A0600	19.80	27.9	12	3940A1200	43.56	51.7
7	3940A0700	23.76	31.9				

※ Color Identification: the following alphabet shall be put;
 ex. 3940A 04 0 1 - R (04... Circuit no., R... Red color)
 ex. 3940A 04 0 1 (Light ivory / base color)

3.96 Pitch 3940 2V-SERIES CONNECTOR



3.96 mm Pitch Wire-to-Board Connector



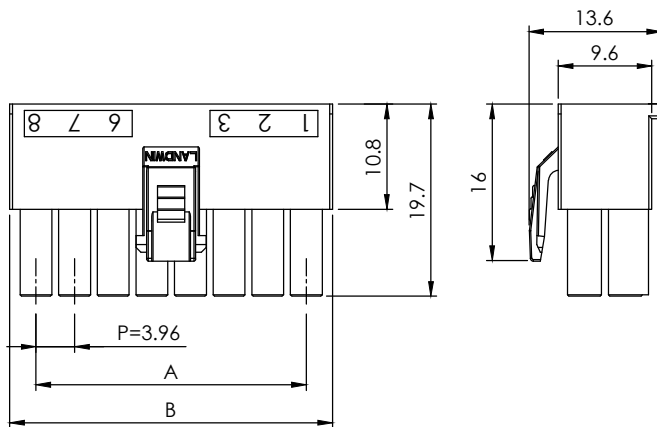
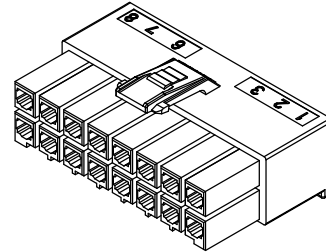
Specifications

- ◇ Current rating: 9A AC/DC Max.
- ◇ Voltage Range: 300V AC,DC
- ◇ Withstand Voltage: 2200V AC/Minute
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Mates with 3941P, 3942P Series Type-2V DIP Header
- ◇ Use with 3943TF Type-1 Crimp Terminal
- ◇ Certification: cUL, TUV
- ◇ GWT 850° C rated product is available
- ◇ Applicable wire gauge: AWG 16 - 28

3940F Dual-Row Plug Housing High-temperature, Type-1V



Ordering Information

Circuits	Part No.	Dimension	
		A	B
8	3940F08 10-SV	11.88	16.92
12	3940F12 10-SV	19.80	24.84
16	3940F16 10-SV	27.72	32.76
20	3940F20 10-SV	35.64	40.68

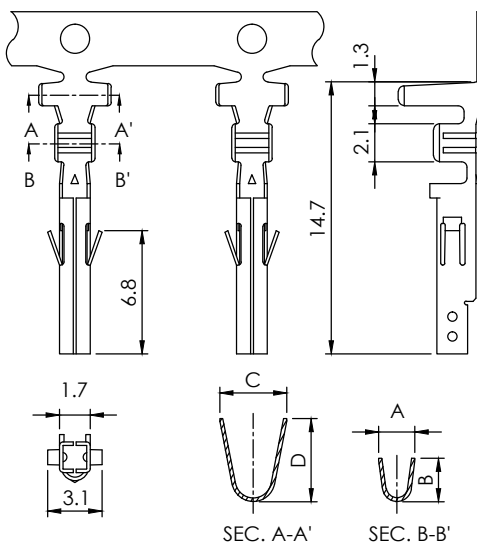
Material

Part	Material / Finish
Housing	Nylon 66 94V-0, white (natural color)

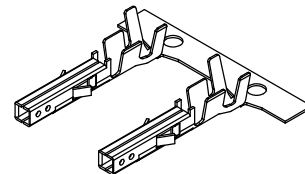
※ Color Identification: the following alphabet shall be put,
 ex. 3940F 08 1 0 - B V
 ex. 3940F 08 1 0 - S V
 08... Circuit no. B... black, S... white (natural) color

Reference

- ◇ Use with 3940F Series Type-1V Plug Housing



3943TF Type-1 Crimp Terminal



Ordering Information

Part No.	Applicable Wire		Q'ty / Reel
	AWG #	Insulation O.D. mm	
3943TF11V-1	16	2.9 Max.	5,000
3943TF21V-1	18 - 24	2.7 Max.	5,000
3943TF31V-1	22 - 28	2.2 Max.	5,000

Part No.	Material	A	B	C	D
3943TF11V-1	Phosphor bronze	2.3	2.9	3.8	4.2
3943TF21V-1	Matte tin-plated	2.0	2.3	3.8	4.2
3943TF31V-1		1.65	1.8	2.3	2.3

3.96 Pitch 3940 2V-SERIES CONNECTOR



3.96 mm Pitch Wire-to-Board Connector



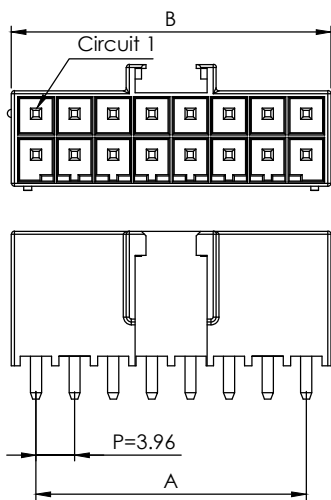
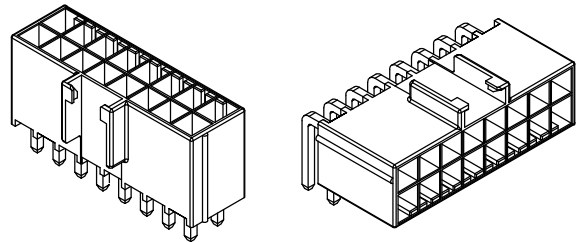
Specifications

- ◇ Current rating: 9A AC/DC Max.
- ◇ Voltage Range: 300V AC,DC
- ◇ Withstand Voltage: 2200V AC/Minute
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

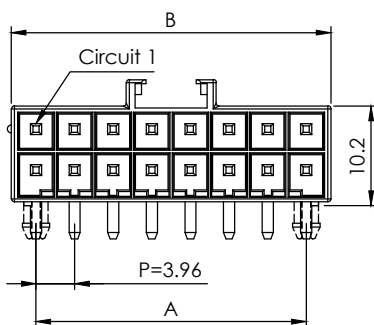
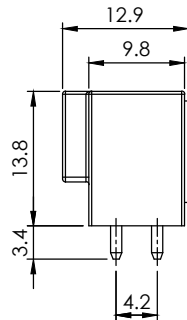
Reference

- ◇ Mates with 3940F Series Type-1V Dual-row Plug Housing
- ◇ Certification: cUL, TUV
- ◇ GWT 850° C rated product is available

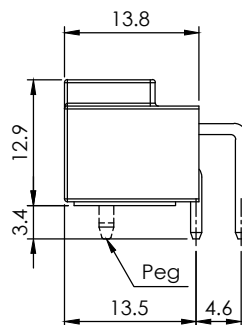
3941P, 3942P Dual-Row Header
High-temperature, Type-2V



Straight Type
1.14mm Square pin



Right-Angle Type
1.14mm Square pin



Ordering Information

HIGH-TEMPERATURE

PIN No.	Part No.		Dimension	
	Straight Type		A	B
	With Peg	Without Peg		
8	N/A	3941P08 21V-SV81	11.88	16.92
12		3941P12 21V-SV81	19.80	24.84
16		3941P16 21V-SV81	27.72	32.76
20		3941P20 21V-SV81	35.64	40.68

PIN No.	Part No.		Dimension	
	Right-angle Type		A	B
	With Peg	Without Peg		
8	3942P08 21V-SV	3942P08 21V-SV81	11.88	16.92
12	3942P12 01V-SV	3942P12 21V-SV81	19.80	24.84
16	3942P16 01V-SV	3942P16 21V-SV81	27.72	32.76
20	3942P20 01V-SV	3942P20 21V-SV81	35.64	40.68

Material

Part	Material / Finish
Base	Glass-filled Nylon 66 94V-0, Light ivory color
Contact	Brass, matte tin-plated

※ PART NUMBER ASSIGNMENT:

ex. 3941P XX 2 1 X - S V81

ex. 3942P XX 2 1 X - S V81

ex. 3942P XX 2 1 X - S V

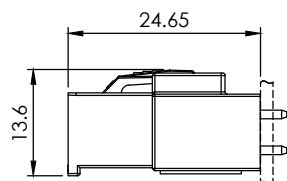
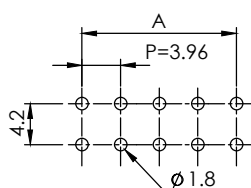
XX... Circuit Nos (PIN Numbers)

X... Plating Selection: V... Matte Tin

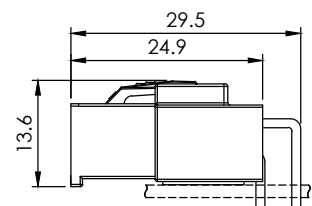
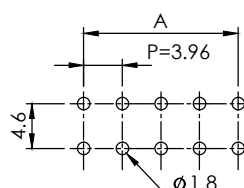
Color selection: S... Light ivory (base color), R... red, B... black

P.C. Board Layout / Assembly Layout

Straight Type



Right-Angle Type



3.96 Pitch 3968 SERIES CONNECTOR



3.96 mm Pitch Board-In Connector



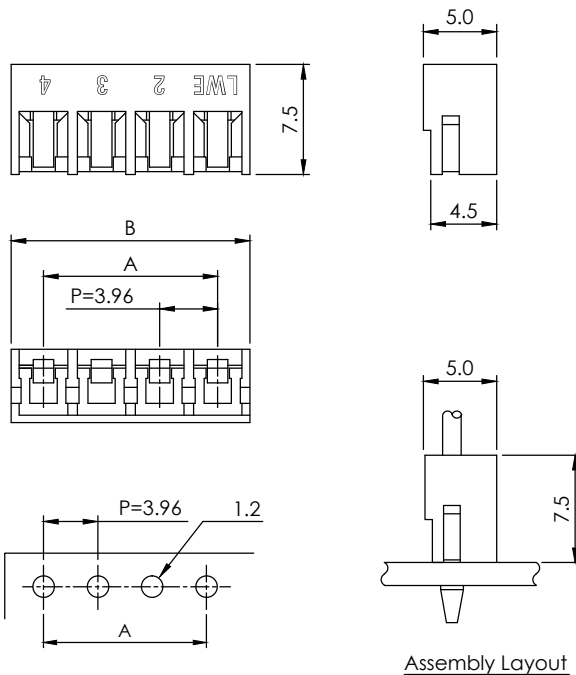
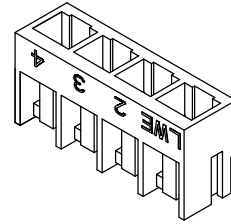
Specifications

- ◇ Current rating: 5A AC/DC Max.
- ◇ Voltage Range: 300V AC,DC
- ◇ Withstand Voltage: 1500V AC/Minute
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Mates with 3969T Series Board-In Crimp Terminal
- ◇ Certification: UL
- ◇ Applicable wire gauge: AWG 16 - 22

3968S Board-In Housing



Ordering Information

Circuits	Part No.	Dimension	
		A	B
2	3968S02 00	3.96	8.37
3	3968S03 00	7.92	12.33
4	3968S04 00	11.88	16.29
5	3968S05 00	15.84	20.25
6	3968S06 00	19.80	24.21
7	3968S07 00	23.76	28.17
8	3968S08 00	27.72	32.13
9	3968S09 00	31.68	36.09
10	3968S10 00	35.64	40.05
11	3968S11 00	39.60	44.01
12	3968S12 00	43.56	47.97
13	3968S13 00	47.52	51.93
14	3968S14 00	51.48	55.89
15	3968S15 00	55.44	59.85

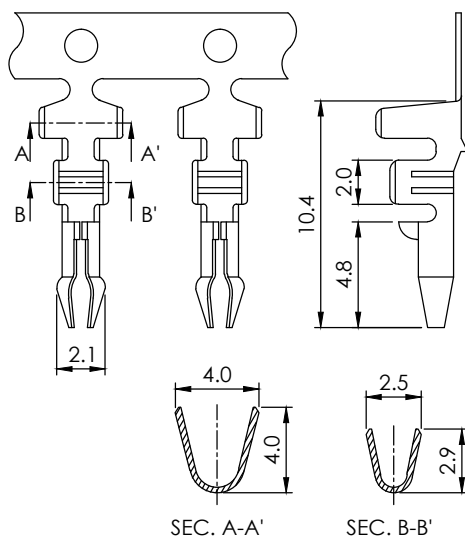
Material

Part	Material / Finish
Housing	Nylon 66 94V-0, white (natural color)

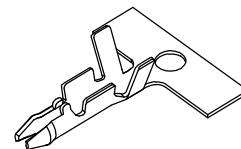
※ Color Identification: the following alphabet shall be put,
 ex. 3968S 04 1 0 (natural color)
 ex. 3968S 04 1 0 - B
 04... Circuit no.
 Color selection: B... Black

Reference

- ◇ Use with 3968S Series Board-In Housing



3969T Board-In Crimp Terminal



Ordering Information

Part No.	Applicable Wire		
	AWG #	Insulation O.D. mm	Q'ty / Reel
3969T012R	16 - 22	2.6 Max.	5,000

Part No.	Material
3969T012R	Brass Tin-Plated

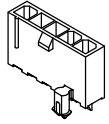
4.2 Pitch SERIES



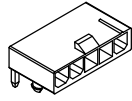
4.2 mm Pitch Connectors - Application Overview

RoHS REACH LF HFA

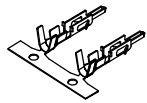
Single-Row / Wire-to-Wire, Wire-to-Board



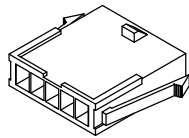
4201PA



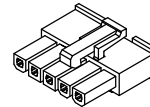
4202PA



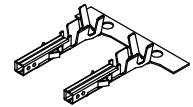
4203TM



4200MA

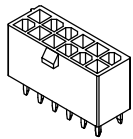


4200FA

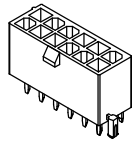


4203TF

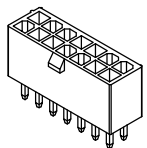
Dual-Row / Wire-to-Board



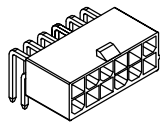
4201P



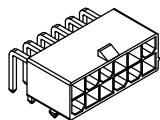
4201P Type-A



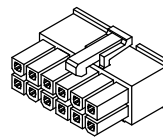
4201P Type-1



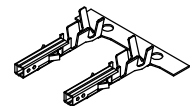
4202P



4202P Type-2



4200F



4203TF

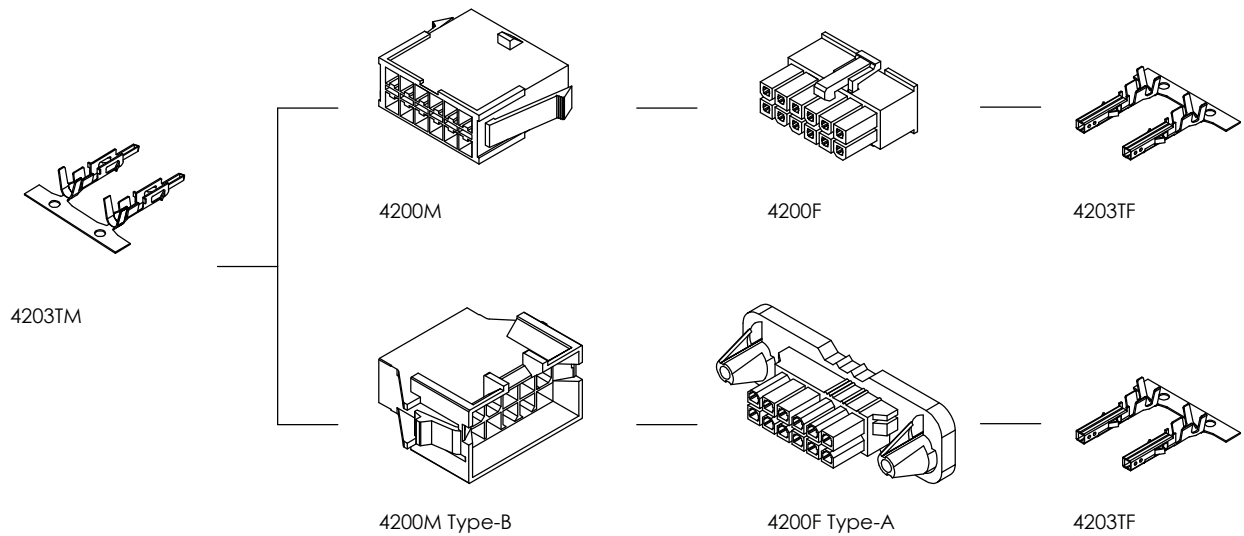
4.2 Pitch SERIES



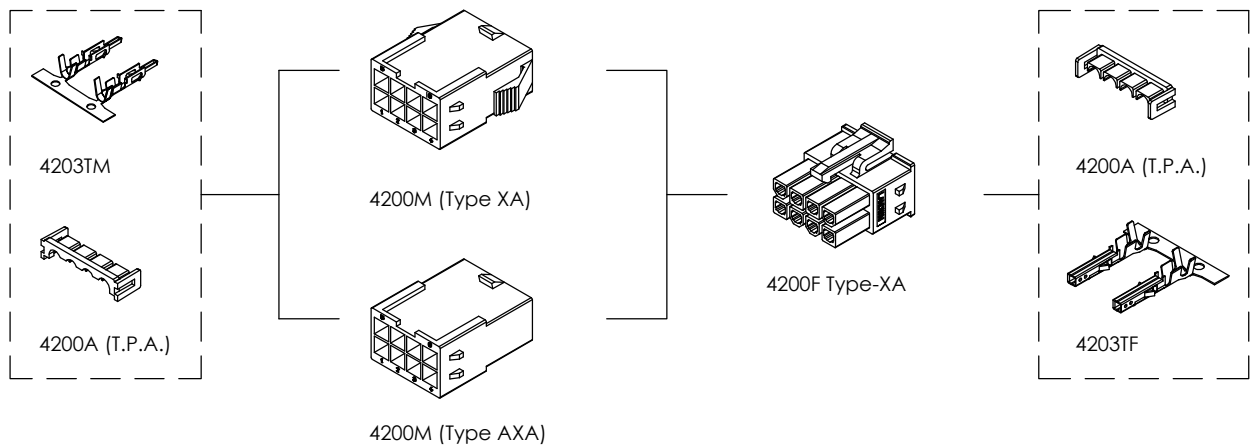
4.2 mm Pitch Connectors - Application Overview

RoHS REACH LF HFA

Dual-Row / Wire-to-Wire



High-Temperature (with T.P.A.) / Wire-to-Wire



4.2 Pitch 4200 SERIES CONNECTOR



4.2 mm Pitch Wire-to-Board, Wire-to-Wire Connector

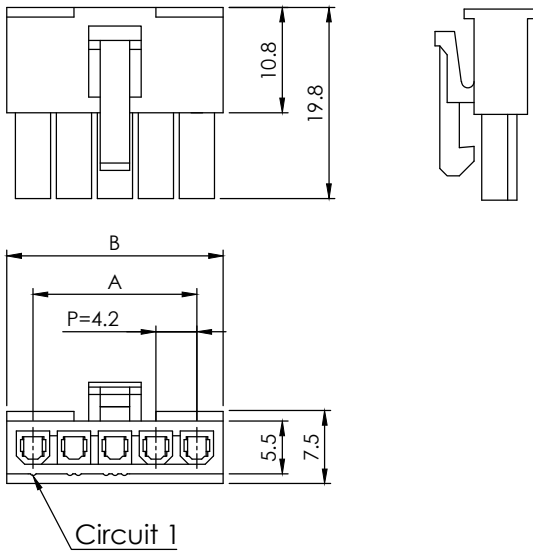


Specifications

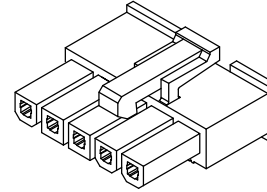
- ◇ Current rating: 8A AC/DC Max.
- ◇ Voltage Range: 600V AC,DC
- ◇ Withstand Voltage: 1500V AC/Minute
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Mates with 4201PA, 4202PA Series Single-row Header
- ◇ Mates with 4200MA Series Receptacle Housing
- ◇ Use with 4203TF Crimp Terminal
- ◇ Certification: UL, TUV
- ◇ Applicable wire gauge: AWG 16 - 28



4200FA Plug Housing, Single-Row



Ordering Information

Circuits	Part No.		Dimension	
	UL 94V-0	UL 94V-2	A	B
2	4200FA2 00	4200FA2 02	4.2	9.8
3	4200FA3 00	4200FA3 02	8.4	14.0
4	4200FA4 00	4200FA4 02	12.6	18.2
5	4200FA5 00	4200FA5 02	16.8	22.4

Material

Part	Material / Finish
Housing	Nylon 66 94V-0, white (natural color), or Nylon 66 94V-2, white (natural color)

※ Color Identification: the following alphabet shall be put,

ex. 4200FA 4 0 X* (natural color)

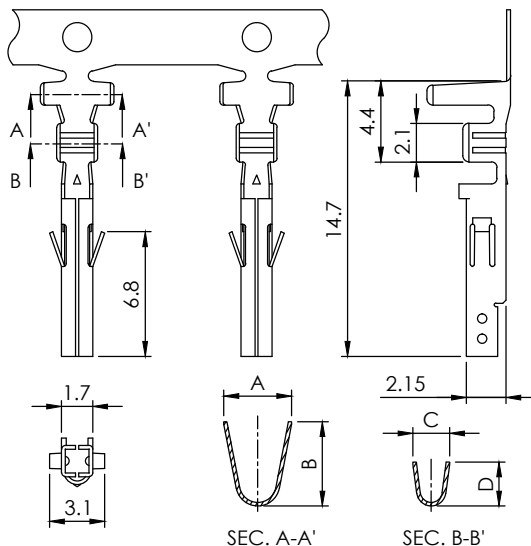
ex. 4200FA 4 0 X* - B

4... Circuit no. B... Black, R... Red color

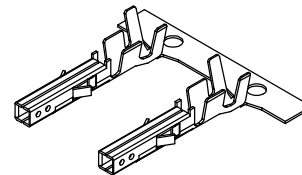
X*... Plastics Material no.: 0... Nylon 66 94V-0, 2... Nylon 66 94V-2

Reference

- ◇ Use with 4200FA, 4200F Plug Housing



4203TF Crimp Terminal



Ordering Information

Part No.	Applicable Wire		Q'ty / Reel
	AWG #	Insulation O.D. mm	
4203TF11R	16	2.9 Max.	5,000
4203TF21R	18 - 24	2.7 Max.	5,000
4203TF31R	22 - 28	2.2 Max.	5,000

Part No.	Material	A	B	C	D
4203TF11R	Phosphor bronze	3.8	4.2	2.3	2.9
4203TF21R	Tin-plated	3.8	4.2	2.0	2.3
4203TF31R		2.3	2.3	1.65	1.8

4.2 Pitch 4200 SERIES CONNECTOR



4.2 mm Pitch Wire-to-Board, Wire-to-Wire Connector

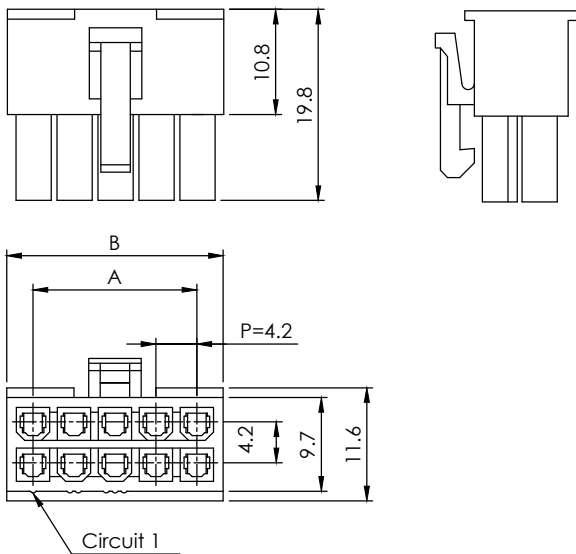


Specifications

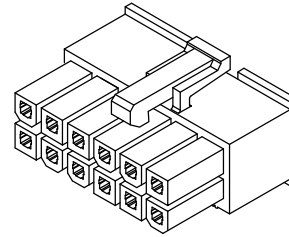
- ◇ Current rating: 8A AC/DC Max.
- ◇ Voltage Range: 600V AC,DC
- ◇ Withstand Voltage: 1500V AC/Minute
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Mates with 4201P, 4202P Series Dual-row Header
- ◇ Mates with 4200M Series Receptacle Housing
- ◇ Use with 4203TF Crimp Terminal
- ◇ Certification: UL, TUV
- ◇ Applicable wire gauge: AWG 16 - 28



4200F Plug Housing, Dual-Row



Ordering Information

Circuits	Part No.		Dimension	
	UL 94V-0	UL 94V-2	A	B
2	4200F02 00	4200F02 02	n/a	5.4
4	4200F04 00	4200F04 02	4.2	9.6
6	4200F06 00	4200F06 02	8.4	13.8
8	4200F08 00	4200F08 02	12.6	18.0
10	4200F10 00	4200F10 02	16.8	22.2
12	4200F12 00	4200F12 02	21.0	26.4
14	4200F14 00	4200F14 02	25.2	30.6
16	4200F16 00	4200F16 02	29.4	34.8
18	4200F18 00	4200F18 02	33.6	39.0
20	4200F20 00	4200F20 02	37.8	43.2
22	4200F22 00	4200F22 02	42.0	47.4
24	4200F24 00	4200F24 02	46.2	51.6
26	4200F26 00	4200F26 02	50.4	55.8
28	4200F28 00	4200F28 02	54.6	60.0

Material

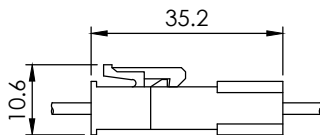
Part	Material / Finish
Housing	Nylon 66 94V-0, white (natural color), or Nylon 66 94V-2, white (natural color)

※ Color Identification: the following alphabet shall be put,
 ex. 4200F 14 0 X* (natural color)
 ex. 4200F 14 0 X* - B
 14... Circuit no. B... Black, R... Red color
 X*... Plastics Material no.: 0... Nylon 66 94V-0, 2... Nylon 66 94V-2

Panel Layout / Assembly Layout

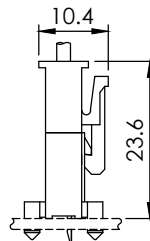
Wire-to-Wire Connection

Single-Row

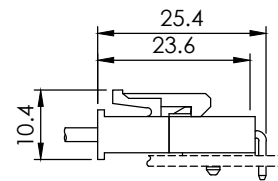


Wire-to-Board Connection (Single-Row)

Straight Type

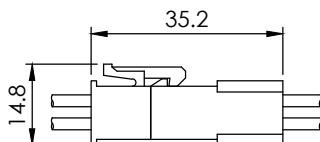


Right-Angle Type



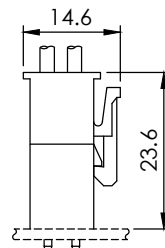
Wire-to-Wire Connection

Dual-Row

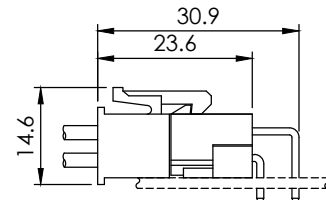


Wire-to-Board Connection (Dual-Row)

Straight Type



Right-Angle Type



4.2 Pitch 4200 SERIES CONNECTOR



4.2 mm Pitch Wire-to-Wire Connector



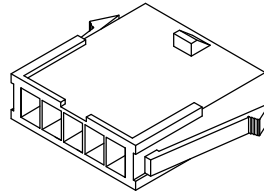
Specifications

- ◇ Current rating: 8A AC/DC Max.
- ◇ Voltage Range: 600V AC,DC
- ◇ Withstand Voltage: 1500V AC/Minute
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

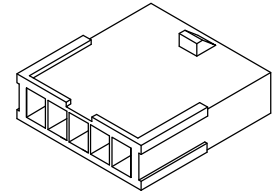
Reference

- ◇ Mates with 4200FA Plug Housing, Single-Row
- ◇ Use with 4203TM Pin-contact Crimp Terminal
- ◇ Certification: TUV
- ◇ Applicable wire gauge: AWG 16 - 28

4200MA Receptacle Housing Single-Row



Panel-Mount Series



W/O Flange Series

Ordering Information

Circuits	Part No.		Dimension	
	Panel-Mount	W/O Flange	A	B
2	4200MA202	4200MA2A2	4.2	9.7
3	4200MA302	4200MA3A2	8.4	13.9
4	4200MA402	4200MA4A2	12.6	18.1
5	4200MA502	4200MA5A2	16.8	22.3

Material

Part	Material / Finish
Housing	Nylon 66 94V-2, white (natural color)

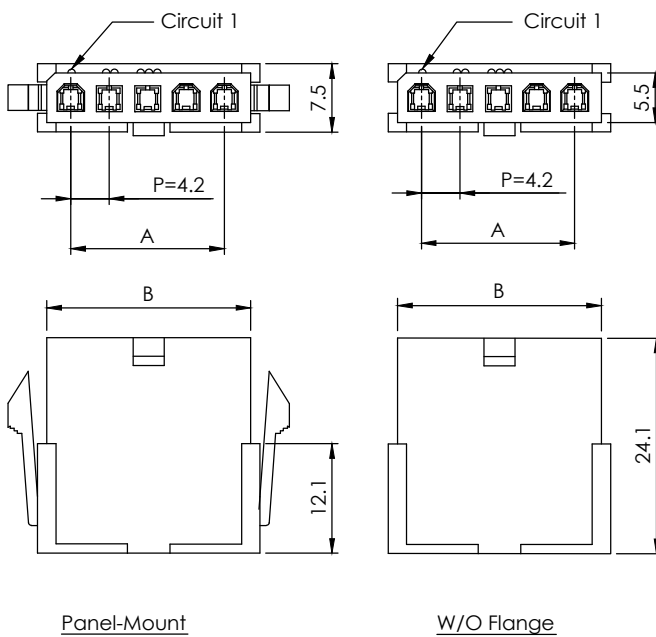
※ Color Identification: the following alphabet shall be put,

ex. 4200MA 4 0 X* (natural color)

ex. 4200MA 4 0 X* - B

4... Circuit no. B... Black, R... Red color

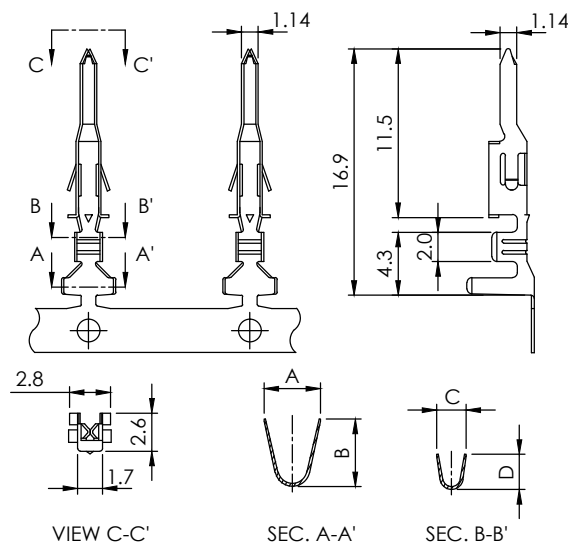
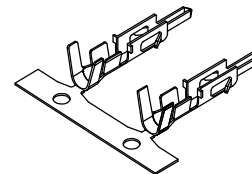
X*... Plastics Material no.: 0... Nylon 66 94V-0, 2... Nylon 66 94V-2



4203TM Pin-Contact Crimp Terminal

Reference

- ◇ Use with 4200MA, 4200M Receptacle Housing



Ordering Information

Part No.	Applicable Wire		Q'ty / Reel
	AWG #	Insulation O.D. mm	
4203TM12R	16	2.9 Max.	5,000
4203TM22R	18 - 24	2.7 Max.	5,000
4203TM32R	22 - 28	2.2 Max.	5,000

Part No.	Material	A	B	C	D
4203TM12R	Brass	3.8	4.2	2.3	2.9
4203TM22R	Tin-plated	3.8	4.2	2.0	2.3
4203TM32R		2.3	2.3	1.65	1.8

4.2 Pitch 4200 SERIES CONNECTOR



4.2 mm Pitch Wire-to-Wire Connector



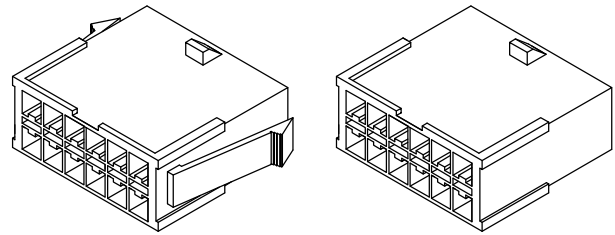
Specifications

- ◇ Current rating: 8A AC/DC Max.
- ◇ Voltage Range: 600V AC,DC
- ◇ Withstand Voltage: 1500V AC/Minute
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Mates with 4200F Plug Housing, Dual-Row
- ◇ Use with 4203TM Crimp Terminal
- ◇ Certification: UL, TUV
- ◇ Applicable wire gauge: AWG 16 - 28

4200M Receptacle Housing Dual-Row



Panel-Mount Series

W/O Flange Series

Ordering Information

Circuits	Part No.		Dimension	
	Panel-Mount	W/O Flange	A	B
2	4200M02 02	4200M02 A2	n / a	5.4
4	4200M04 02	4200M04 A2	4.2	9.6
6	4200M06 02	4200M06 A2	8.4	13.8
8	4200M08 02	4200M08 A2	12.6	18.0
10	4200M10 02	4200M10 A2	16.8	22.2
12	4200M12 02	4200M12 A2	21.0	26.4
14	4200M14 02	4200M14 A2	25.2	30.6
16	4200M16 02	4200M16 A2	29.4	34.8
18	4200M18 02	4200M18 A2	33.6	39.0
20	4200M20 02	4200M20 A2	37.8	43.2
22	4200M22 02	4200M22 A2	42.0	47.4
24	4200M24 02	4200M24 A2	46.2	51.6

Material

Part	Material / Finish
Housing	Nylon 66 94V-2, white (natural color)

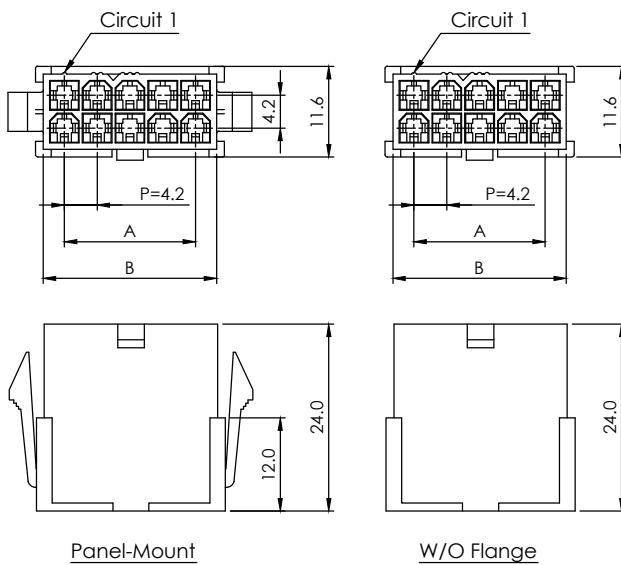
* Color Identification: the following alphabet shall be put,

ex. 4200M 14 0 X* (natural color)

ex. 4200M 14 0 X* - B

14... Circuit no. B... Black, R... Red color

X*... Plastics Material no.: 0... Nylon 66 94V-0, 2... Nylon 66 94V-2

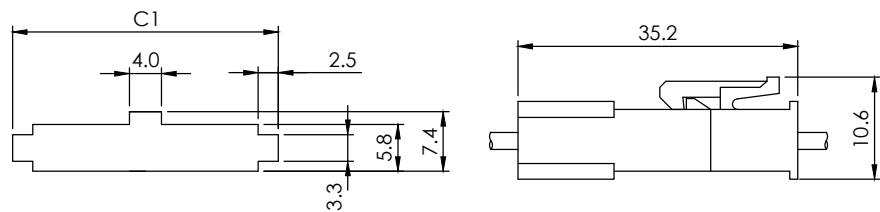


Panel-Mount

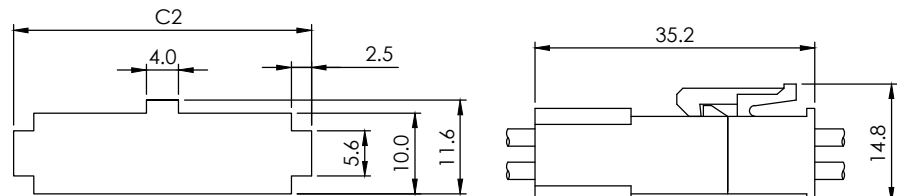
W/O Flange

Panel Layout / Assembly Layout

Wire-to-Wire Connection (Single-Row)



Wire-to-Wire Connection (Dual-Row)



Circuits	Dimension	
	C1	C2
2	15.0	10.8
3	19.2	X
4	23.4	15.0
5	27.6	X
6	X	19.2
8	X	23.4
10	X	27.6
12	X	31.8
14	X	36.0
16	X	40.2
18	X	44.4
20	X	48.6
22	X	52.8
24	X	57.0

4.2 Pitch 4200 SERIES CONNECTOR



4.2 mm Pitch Wire-to-Wire Connector



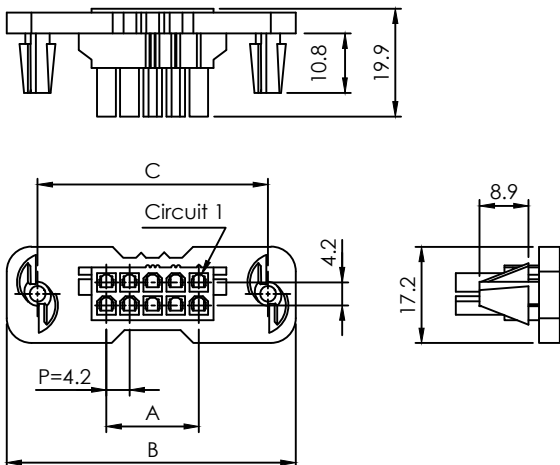
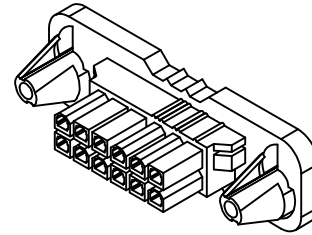
Specifications

- ◇ Current rating: 8A AC/DC Max.
- ◇ Voltage Range: 600V AC,DC
- ◇ Withstand Voltage: 1500V AC/Minute
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Mates with 4200M Receptacle Housing, Type-B
- ◇ Use with 4203TF Crimp Terminal
- ◇ Certification: UL
- ◇ Applicable wire gauge: AWG 16 - 28

4200F Plug Housing, Type-A



Ordering Information

Circuits	Part No. ex. UL 94V-2	Dimension		
		A	B	C
4	4200F04 A2	4.2	40.5	29.2
6	4200F06 A2	8.4	44.7	33.4
8	4200F08 A2	12.6	48.9	37.6
10	4200F10 A2	16.8	53.1	41.8
12	4200F12 A2	21.0	57.3	46.0
14	4200F14 A2	25.2	61.5	50.2
16	4200F16 A2	29.4	65.7	54.4
18	4200F18 A2	33.6	69.9	58.6
20	4200F20 A2	37.8	74.1	62.8
22	4200F22 A2	42.0	78.3	67.0
24	4200F24 A2	46.2	82.5	71.2

Material

Part	Material / Finish
Housing	Nylon 66 94V-2, white (natural color)

※ Color Identification: the following alphabet shall be put,

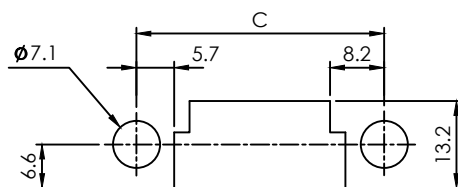
ex. 4200F 14 A X* (natural color)

ex. 4200F 14 A X* - B

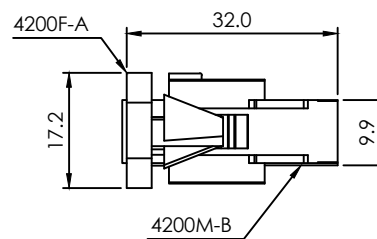
14... Circuit no. B... Black, R... Red color

X*... Plastics Material no.: 2... Nylon 66 94V-2

Panel Layout / Assembly Layout



Panel Cut-Off Dimension (4200F Type -A)



4.2 Pitch 4200 SERIES CONNECTOR



4.2 mm Pitch Wire-to-Wire Connector



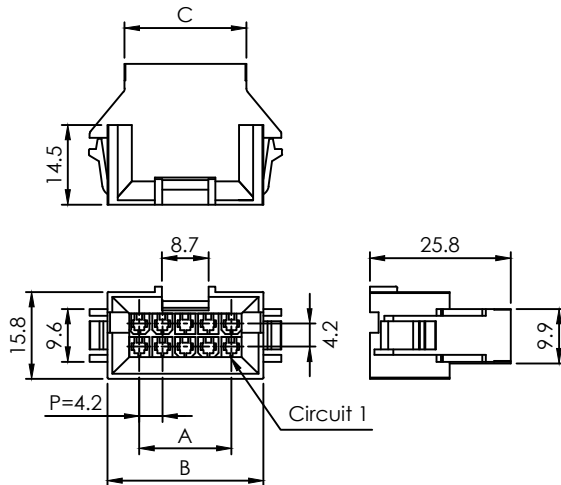
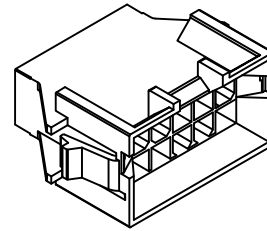
Specifications

- ◇ Current rating: 8A AC/DC Max.
- ◇ Voltage Range: 600V AC,DC
- ◇ Withstand Voltage: 1500V AC/Minute
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Mates with 4200F Plug Housing, Type-A
- ◇ Use with 4203TM Crimp Terminal
- ◇ Certification: UL, TUV
- ◇ Applicable wire gauge: AWG 16 - 28

4200M Receptacle Housing, Type-B



Ordering Information

Circuits	Part No.	Dimension		
		A	B	C
4	4200M04 B2	4.2	15.8	9.8
6	4200M06 B2	8.4	20.0	14.0
8	4200M08 B2	12.6	24.2	18.2
10	4200M10 B2	16.8	28.4	22.4
12	4200M12 B2	21.0	32.6	26.6
14	4200M14 B2	25.2	36.8	30.8
16	4200M16 B2	29.4	41.0	35.0
18	4200M18 B2	33.6	45.2	39.2
20	4200M20 B2	37.8	49.4	43.4
22	4200M22 B2	42.0	53.6	47.6
24	4200M24 B2	46.2	57.8	51.8

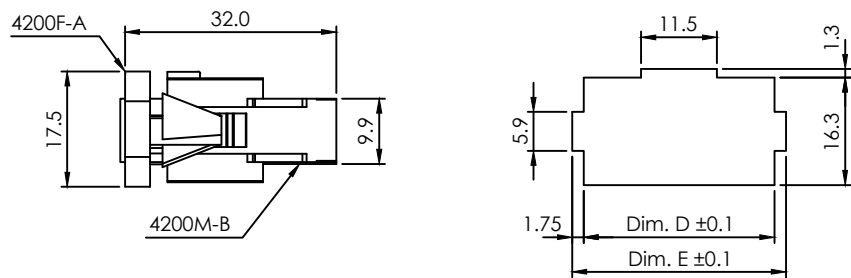
Material

Part	Material / Finish
Housing	Nylon 66 94V-2, white (natural color)

※ Color Identification: the following alphabet shall be put,
 ex. 4200M 14 B X* (natural color)
 ex. 4200M 14 B X* - B
 14... Circuit no. B... Black, R... Red color
 X*... Plastics Material no.: 2... Nylon 66 94V-2

Panel Layout / Assembly Layout

Circuits	Dimension	
	D	E
4	16.3	19.8
6	20.5	24.0
8	24.7	28.2
10	28.9	32.4
12	33.1	36.6
14	37.3	40.8
16	41.5	45.0
18	45.7	49.2
20	49.9	53.4
22	54.1	57.6
24	58.3	61.8



Panel Cut-Off Dimension (4200M Type-B)

4.2 Pitch 4200 SERIES CONNECTOR



4.2 mm Pitch Wire-to-Wire Connector

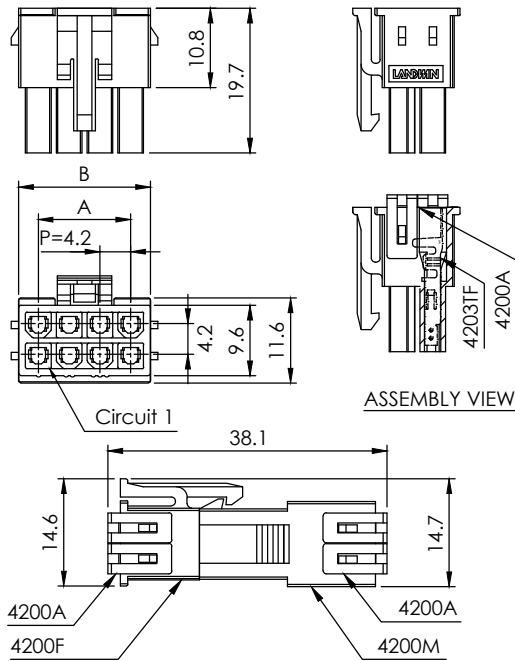


Specifications

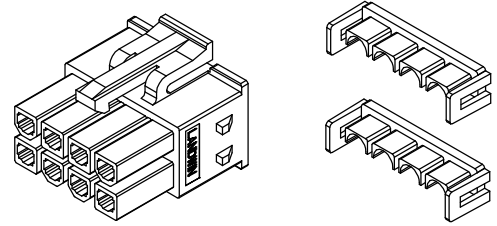
- ◇ Current rating: 8A AC/DC Max.
- ◇ Voltage Range: 600V AC,DC
- ◇ Withstand Voltage: 1500V AC/Minute
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C
- ◇ GWT 850°C Rated Compliant Product

Reference

- ◇ Mates with 4200M Receptacle Housing, Type-XA
- ◇ 4200F Type-XA mates with 4200A Retainer (T.P.A.)
- ◇ Mates with 4201P, 4202P High-Temperature Series Header
- ◇ Use with 4203TF Crimp Terminal
- ◇ Certification: refer to 4200F series
- ◇ Applicable wire gauge: AWG 16 - 28



4200F Plug Housing, Type-XA



4200F Plug Housing

4200A T.P.A.

Ordering Information

HIGH-TEMPERATURE

Circuits	Part No.	Dimension	
		A	B
2	4200F02 01-BA	n/a	5.4
4	4200F04 01-BA	4.2	9.6
6	4200F06 01-BA	8.4	13.8
8	4200F08 01-BA	12.6	18.0
10	4200F10 01-BA	16.8	22.2
12	4200F12 01-BA	21.0	26.4
14	4200F14 01-BA	25.2	30.6
16	4200F16 01-BA	29.4	34.8
18	4200F18 01-BA	33.6	39.0
20	4200F20 01-BA	37.8	43.2
22	4200F22 01-BA	42.0	47.4
24	4200F24 01-BA	46.2	51.6

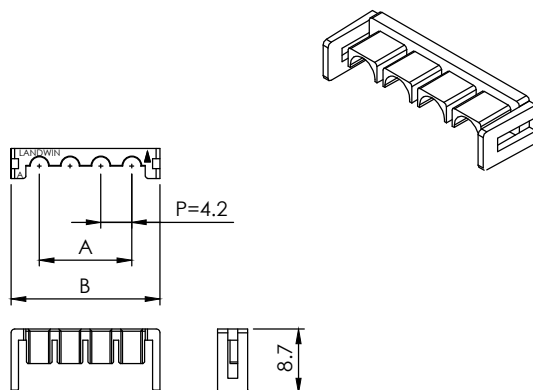
Material

Part	Material / Finish
Housing	Glass-filled Nylon 66 94V-0, Black

※ Color Identification: the following alphabet shall be put,
 ex. 4200F 12 0 1 - B A
 12... Circuit no. B... Black, S... Light ivory (base color)

Reference

- ◇ Mates with 4200F Plug Housing, Type-XA
- ◇ Mates with 4200M Receptacle Housing, Type-XA



4200A Retainer (T.P.A.)

Ordering Information

HIGH-TEMPERATURE

Circuits	Part No.	Dimension	
		A	B
1	4200A01 01-R	n/a	7.7
2	4200A02 01-R	4.2	11.9
3	4200A03 01-R	8.4	16.1
4	4200A04 01-R	12.6	20.3
5	4200A05 01-R	16.8	24.5
6	4200A06 01-R	21.0	28.7
7	4200A07 01-R	25.2	32.9
8	4200A08 01-R	29.4	37.1
9	4200A09 01-R	33.6	41.3
10	4200A10 01-R	37.8	45.5
11	4200A11 01-R	42.0	49.7
12	4200A12 01-R	46.2	53.9

※ Material: Glass-filled Nylon 66 94V-0, red color

4.2 Pitch 4200 SERIES CONNECTOR



4.2 mm Pitch Wire-to-Wire Connector



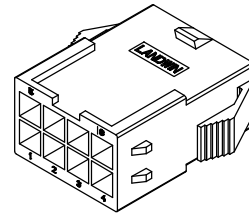
Specifications

- ◇ Current rating: 8A AC/DC Max.
- ◇ Voltage Range: 600V AC,DC
- ◇ Withstand Voltage: 1500V AC/Minute
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C
- ◇ GWT 850°C Rated Compliant Product

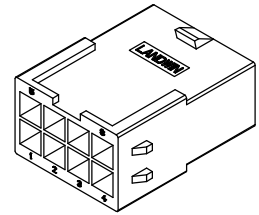
Reference

- ◇ Mates with 4200F Plug Housing, Type-XA
- ◇ 4200M Type-XA mates with 4200A Retainer (T.P.A.)
- ◇ Use with 4203TM Pin-contact Crimp Terminal
- ◇ Certification: refer to 4200F series
- ◇ Applicable wire gauge: AWG 16 - 28

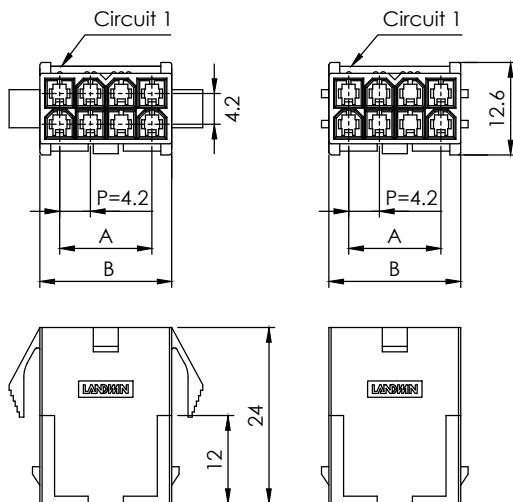
4200M Receptacle Housing, Type-XA
4200M Receptacle Housing, Type-AXA



Panel-Mount



W/O Flange



Panel-Mount

W/O Flange

Ordering Information

HIGH-TEMPERATURE

Circuits	Part No.		Dimension	
	Panel-Mount Type-XA	W/O Flange Type-AXA	A	B
2	4200M02 01-BA	4200M02 A1-BA	n / a	5.4
4	4200M04 01-BA	4200M04 A1-BA	4.2	9.6
6	4200M06 01-BA	4200M06 A1-BA	8.4	13.8
8	4200M08 01-BA	4200M08 A1-BA	12.6	18.0
10	4200M10 01-BA	4200M10 A1-BA	16.8	22.2
12	4200M12 01-BA	4200M12 A1-BA	21.0	26.4
14	4200M14 01-BA	4200M14 A1-BA	25.2	30.6
16	4200M16 01-BA	4200M16 A1-BA	29.4	34.8
18	4200M18 01-BA	4200M18 A1-BA	33.6	39.0
20	4200M20 01-BA	4200M20 A1-BA	37.8	43.2
22	4200M22 01-BA	4200M22 A1-BA	42.0	47.4
24	4200M24 01-BA	4200M24 A1-BA	46.2	51.6

Material

Part	Material / Finish
Housing	Glass-filled Nylon 66 94V-0, Black

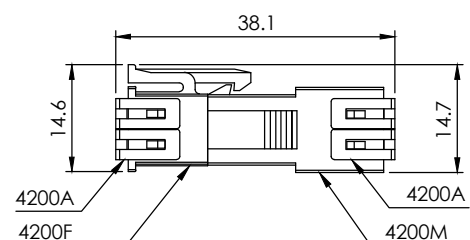
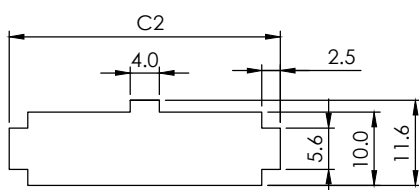
※ Color Identification: the following alphabet shall be put.

ex. 4200M 12 0 1 - B A

12... Circuit no. B... Black, S... Light ivory (base color)

Panel Layout / Assembly Layout

Circuits	Dimension		Circuits	Dimension	
	C2			C2	
2	10.8		14	36.0	
4	15.0		16	40.2	
6	19.2		18	44.4	
8	23.4		20	48.6	
10	27.6		22	52.8	
12	31.8		24	57.0	



4.2 Pitch 4200 SERIES CONNECTOR



4.2 mm Pitch Wire-to-Board Connector



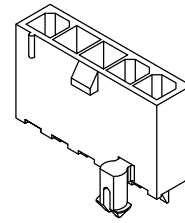
Specifications

- ◇ Current rating: 8A AC/DC Max.
- ◇ Voltage Range: 600V AC,DC
- ◇ Withstand Voltage: 1500V AC/Minute
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

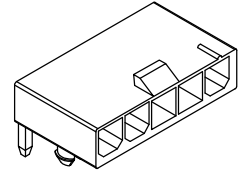
Reference

- ◇ Mates with 4200FA Series Single-row Plug Housing
- ◇ Certification: UL, TUV

4201PA, 4202PA DIP Header



4201PA Series



4202PA Series

Ordering Information

Circuits	Part No.		Dimension	
	Straight	Right Angle	A	B
2	4201PA2 00T	4202PA2 00T	4.2	9.6
3	4201PA3 00T	4202PA3 00T	8.4	13.8
4	4201PA4 00T	4202PA4 00T	12.6	18.0
5	4201PA5 00T	4202PA5 00T	16.8	22.2

Material

Part	Material
Base	Nylon 66 94V-0, white (natural color)
Contact	Brass, Tin-plated

※ Color Identification: the following alphabet shall be put,

ex. 4201PA 4 0 X* X - B

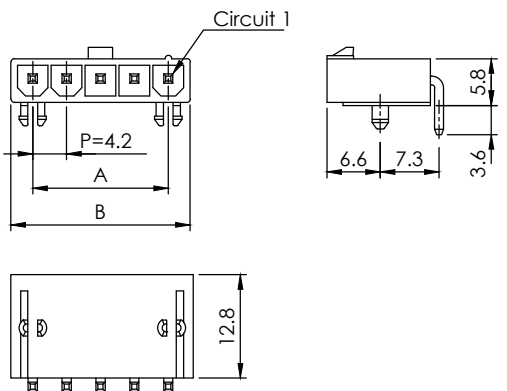
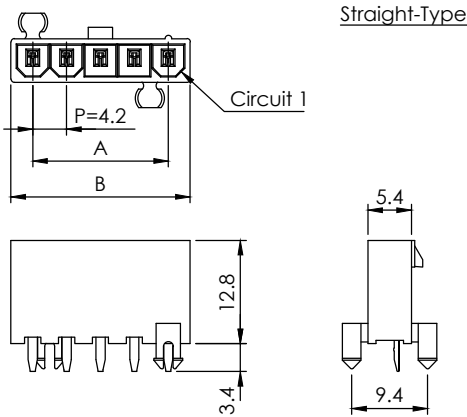
ex. 4201PA 4 A X* X - B

4... Circuit no.

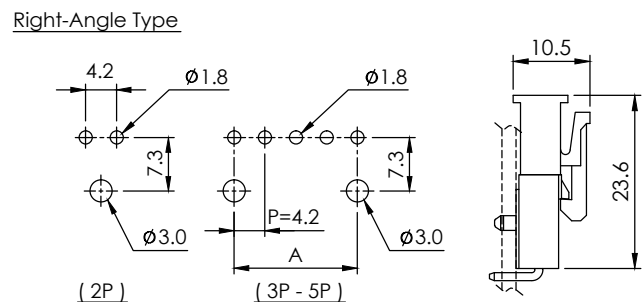
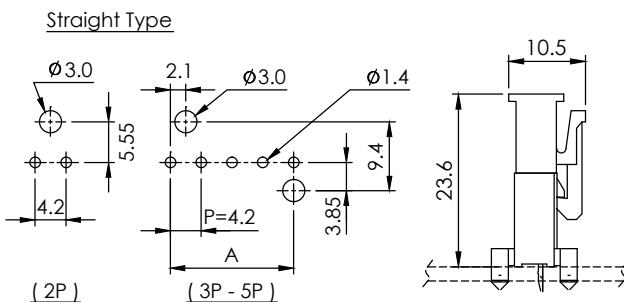
B... Black, R... Red color

X*... Material, 0... Nylon 66 94V-0, 2... Nylon 66 94V-2

X... Plating Selection: T... Tin, V... Matte Tin



P.C. Board Layout / Assembly Layout



4.2 Pitch 4200 SERIES CONNECTOR



4.2 mm Pitch Wire-to-Board Connector



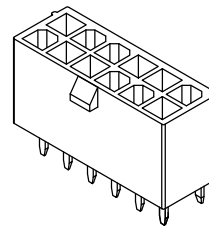
Specifications

- ◇ Current rating: 8A AC/DC Max.
- ◇ Voltage Range: 600V AC,DC
- ◇ Withstand Voltage: 1500V AC/Minute
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

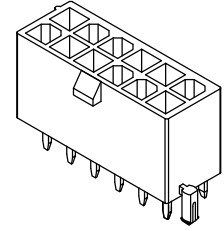
Reference

- ◇ Mates with 4200F Series Dual-row Plug Housing
- ◇ Certification: UL, TUV

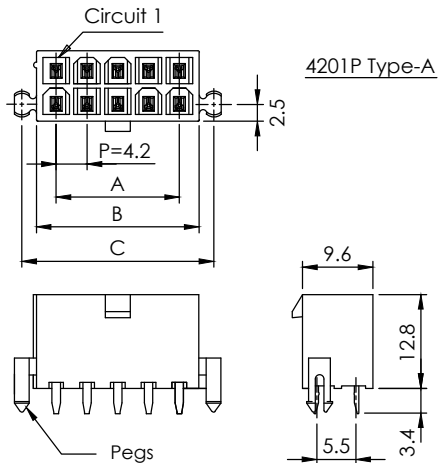
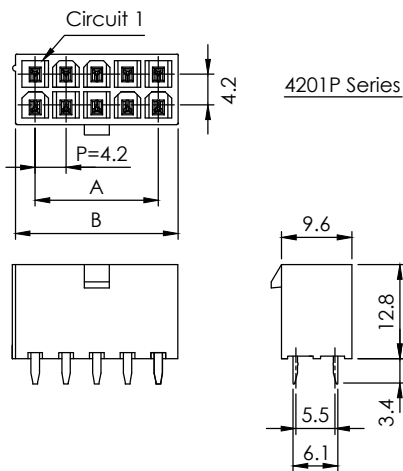
4201P DIP Header



4201P Series



4201P Type-A



Ordering Information

Circuits	Part No.		Dimension		
	Without Peg	With Pegs Type-A	A	B	C
2	4201P02 02T	4201P02 A2T	n / a	5.4	9.4
4	4201P04 02T	4201P04 A2T	4.2	9.6	13.6
6	4201P06 02T	4201P06 A2T	8.4	13.8	17.8
8	4201P08 02T	4201P08 A2T	12.6	18.0	22.0
10	4201P10 02T	4201P10 A2T	16.8	22.2	26.2
12	4201P12 02T	4201P12 A2T	21.0	26.4	30.4
14	4201P14 02T	4201P14 A2T	25.2	30.6	34.6
16	4201P16 02T	4201P16 A2T	29.4	34.8	38.8
18	4201P18 02T	4201P18 A2T	33.6	39.0	43.0
20	4201P20 02T	4201P20 A2T	37.8	43.2	47.2
22	4201P22 02T	4201P22 A2T	42.0	47.4	51.4
24	4201P24 02T	4201P24 A2T	46.2	51.6	55.6
26	4201P26 02T	4201P26 A2T	50.4	55.8	59.8
28	4201P28 02T	4201P28 A2T	54.6	60.0	64.0

Material

Part	Material
Base	Nylon 66 94V-2, white (natural color)
Contact	Brass, Tin-plated

※ Color Identification: the following alphabet shall be put,

ex. 4201P 04 0 X* X - B

ex. 4201P 04 A X* X - B

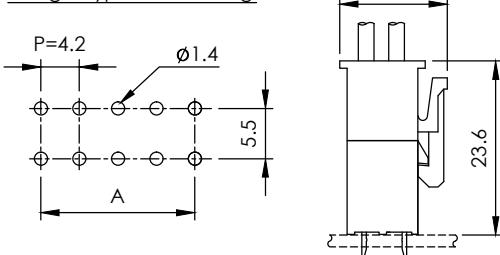
04... Circuit no. B... Black, R... Red color

X*... Material, 0... Nylon 66 94V-0, 2... Nylon 66 94V-2

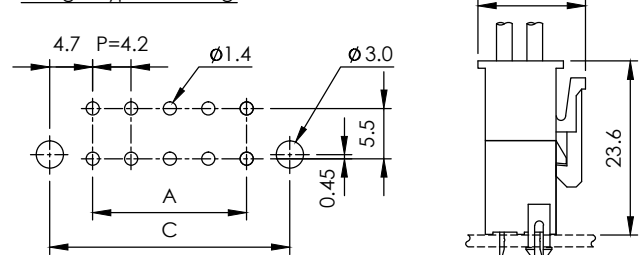
X... Plating Selection: T... Tin, V... Matte Tin

P.C. Board Layout / Assembly Layout

Straight type without Peg



Straight type with Peg



4.2 Pitch 4200 SERIES CONNECTOR



4.2 mm Pitch Wire-to-Board Connector



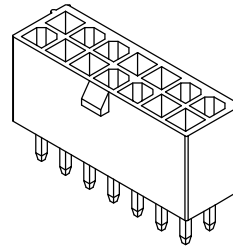
Specifications

- ◇ Current rating: 8A AC/DC Max.
- ◇ Voltage Range: 600V AC,DC
- ◇ Withstand Voltage: 1500V AC/Minute
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

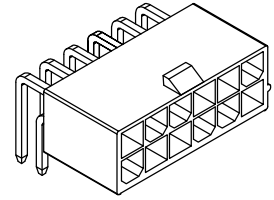
Reference

- ◇ Mates with 4200F Series Dual-row Plug Housing
- ◇ Certification: UL, TUV

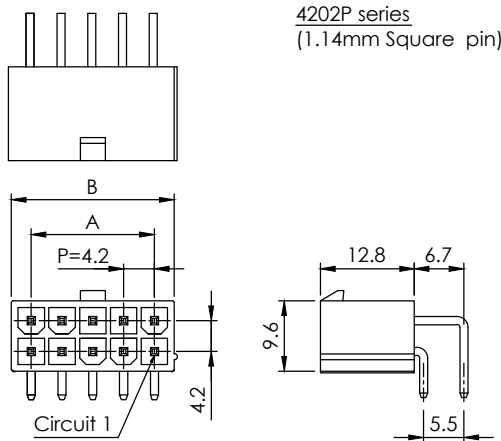
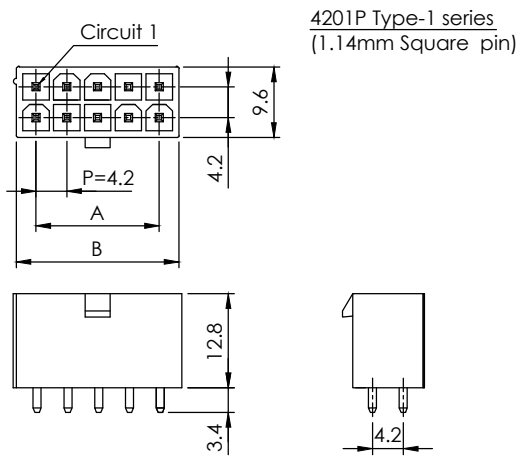
4201P, 4202P DIP Header



4201P Type-1



4202P Series



Ordering Information

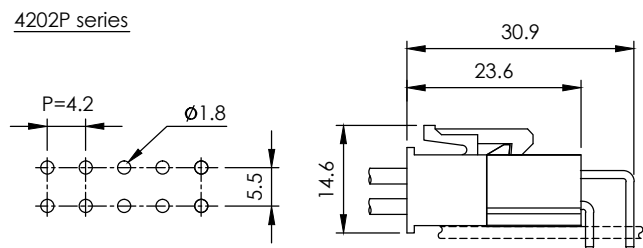
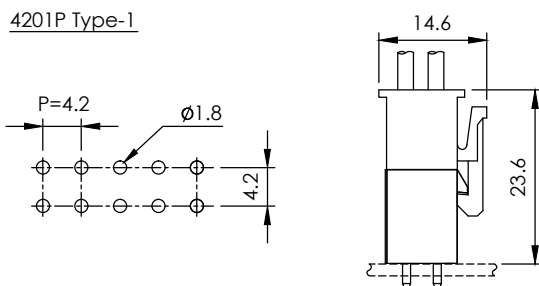
Circuits	Part No.		Dimension	
	Straight	Right Angle	A	B
2	4201P02 12T	4202P02 02T	n/a	5.4
4	4201P04 12T	4202P04 02T	4.2	9.6
6	4201P06 12T	4202P06 02T	8.4	13.8
8	4201P08 12T	4202P08 02T	12.6	18.0
10	4201P10 12T	4202P10 02T	16.8	22.2
12	4201P12 12T	4202P12 02T	21.0	26.4
14	4201P14 12T	4202P14 02T	25.2	30.6
16	4201P16 12T	4202P16 02T	29.4	34.8
18	4201P18 12T	4202P18 02T	33.6	39.0
20	4201P20 12T	4202P20 02T	37.8	43.2
22	4201P22 12T	4202P22 02T	42.0	47.4
24	4201P24 12T	4202P24 02T	46.2	51.6

Material

Part	Material
Base	Nylon 66 94V-2, white (natural color)
Contact	Brass, Tin-plated

※ Color Identification: the following alphabet shall be put,
 ex. 4201P 04 1 X* X - B
 ex. 4202P 04 0 X* X - B
 04... Circuit no. B... Black, R... Red color
 X*... Material, 0... Nylon 66 94V-0, 2... Nylon 66 94V-2
 X... Plating Selection: T... Tin, V... Matte Tin

P.C. Board Layout / Assembly Layout



4.2 Pitch 4200 SERIES CONNECTOR



4.2 mm Pitch Wire-to-Board Connector



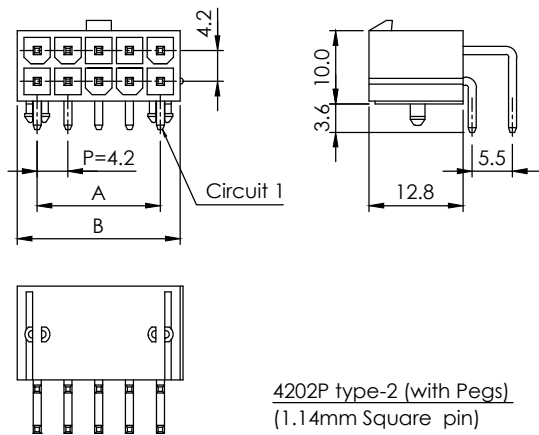
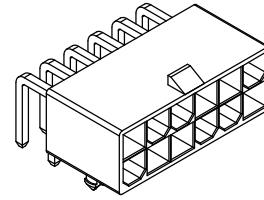
Specifications

- ◇ Current rating: 8A AC/DC Max.
- ◇ Voltage Range: 600V AC,DC
- ◇ Withstand Voltage: 1500V AC/Minute
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Mates with 4200F Series Dual-row Plug Housing
- ◇ Certification: UL, TUV

4202P DIP Header, With Peg (Type-2)



Ordering Information

Circuits	Part No.	Dimension	
		A	B
2	4202P02 22T	n/a	5.4
4	4202P04 22T	4.2	9.6
6	4202P06 22T	8.4	13.8
8	4202P08 22T	12.6	18.0
10	4202P10 22T	16.8	22.2
12	4202P12 22T	21.0	26.4
14	4202P14 22T	25.2	30.6
16	4202P16 22T	29.4	34.8
18	4202P18 22T	33.6	39.0
20	4202P20 22T	37.8	43.2
22	4202P22 22T	42.0	47.4
24	4202P24 22T	46.2	51.6

Material

Part	Material
Base	Nylon 66 94V-2, white (natural color)
Contact	Brass, Tin-plated

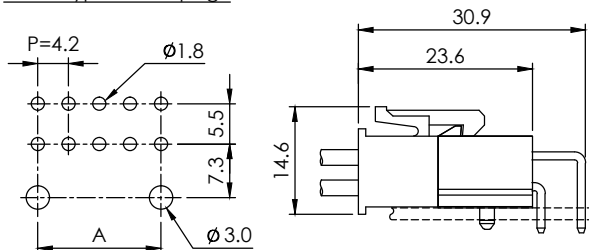
※ Color Identification: the following alphabet shall be put,

ex. 4202P 04 2 X* X - B

- 04... Circuit no.
- B... Black, R... Red color
- X*... Material, 0... Nylon 66 94V-0, 2... Nylon 66 94V-2
- X... Plating Selection: T... Tin-plated

P.C. Board Layout / Assembly Layout

4202P type-2 with pegs



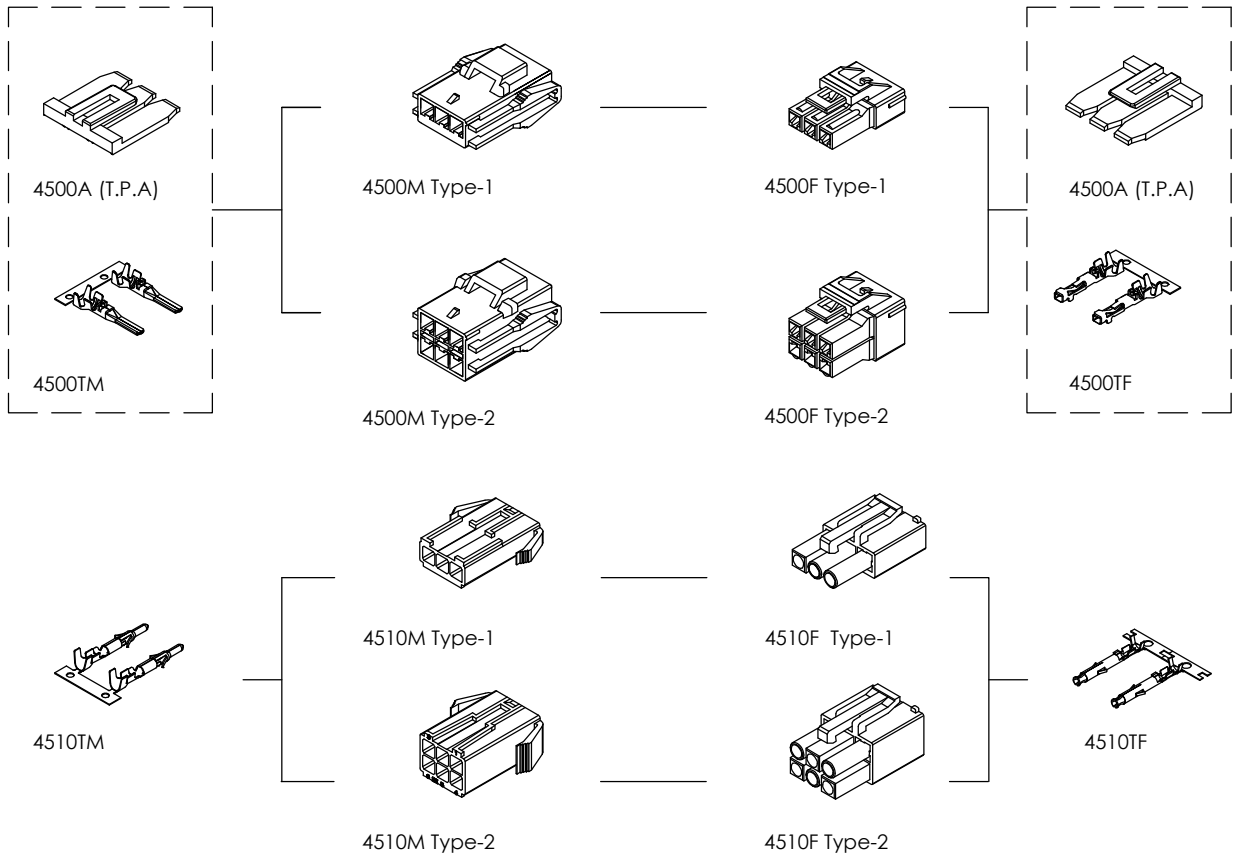
4.5 - 6.35 Pitch SERIES



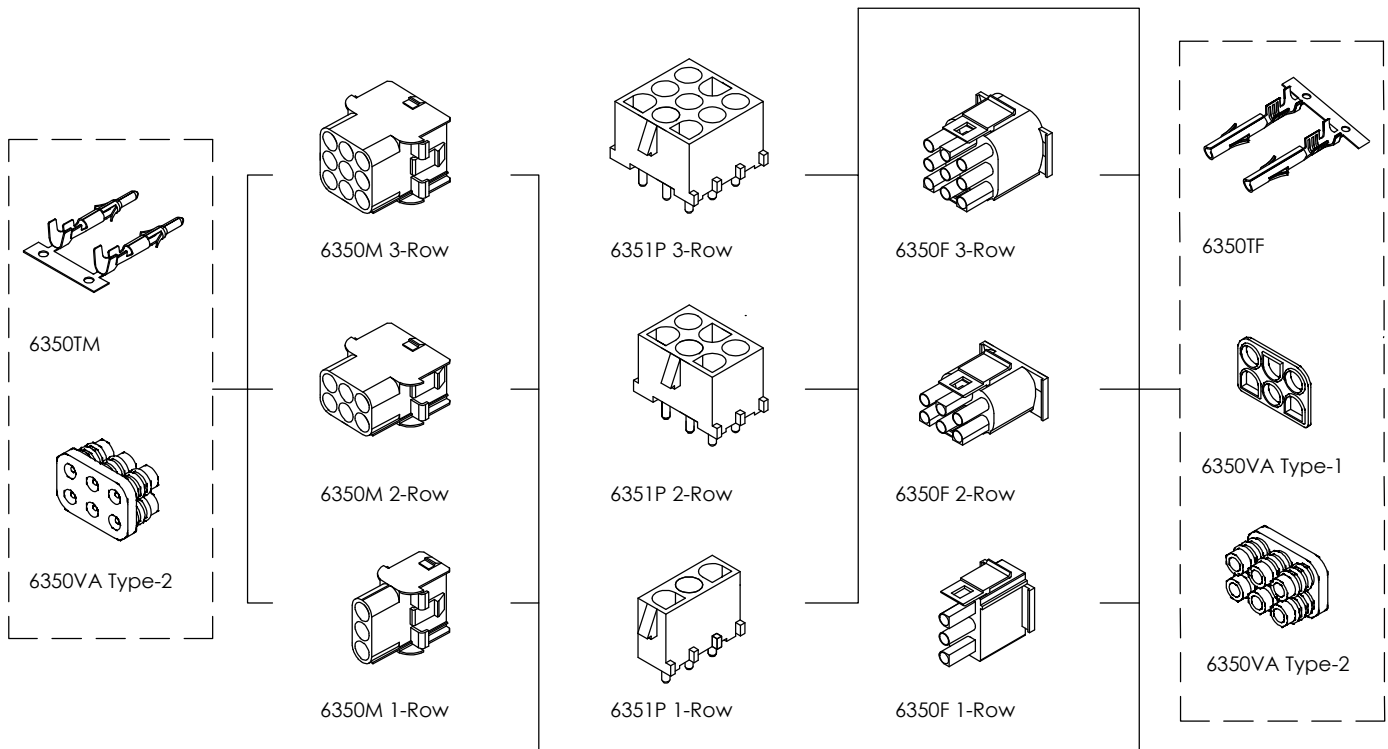
4.5 - 6.35 mm Pitch Connectors - Application Overview

RoHS REACH LF HFA

Pitch 4.5 mm / Wire to Wire



Pitch 6.35 mm / Wire to Board, Wire to Wire



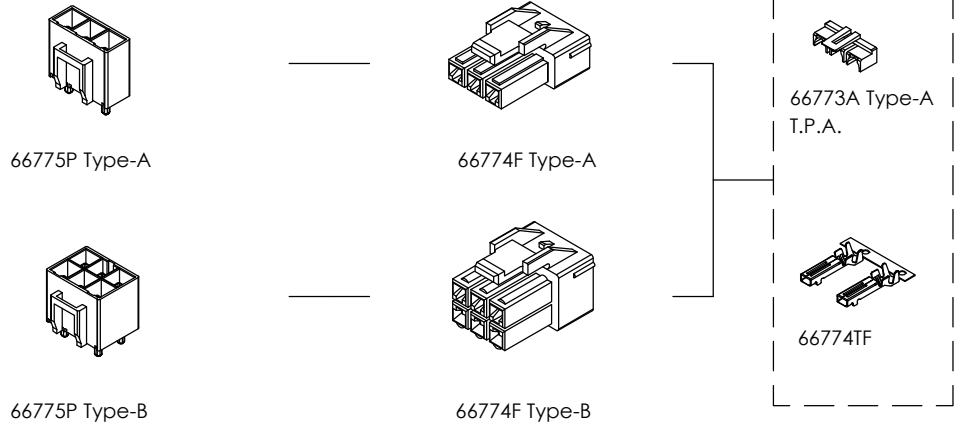
4.5 - 6.35 Pitch SERIES



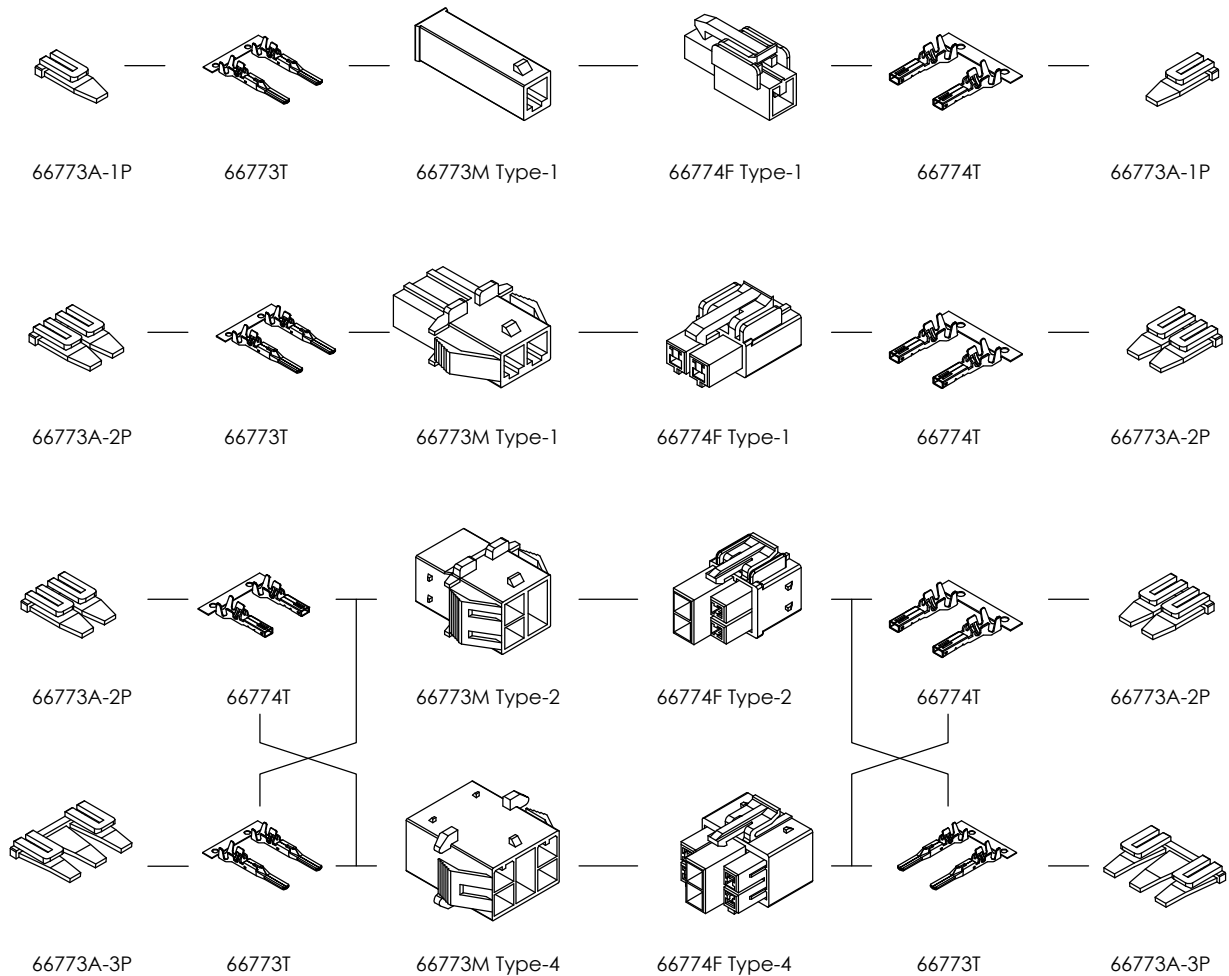
4.5 - 6.35 mm Pitch Connectors - Application Overview

RoHS REACH LF HFA

Pitch 6.2 mm / Wire to Board



Pitch 6.2 mm / Wire to Wire



4.5 Pitch 4500 SERIES CONNECTOR



4.5 mm Pitch Wire-to-Wire Connector

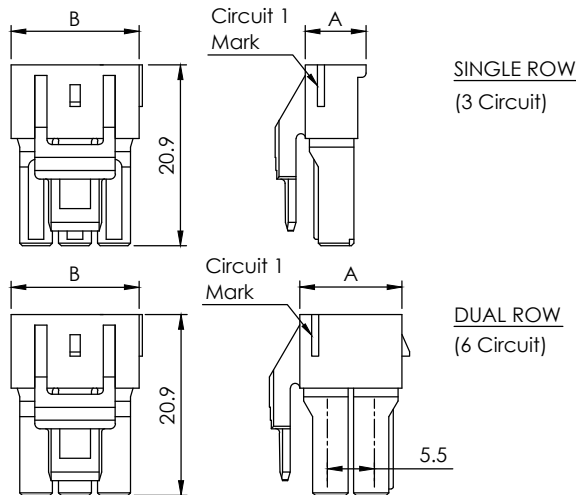


Specifications

- ◇ Current rating: 10A AC/DC Max. (AWG 16, 2-Circuit)
- ◇ Voltage Range: 300V AC,DC
- ◇ Withstand Voltage: 1500V AC/Minute
- ◇ Contact Resistance: 7 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

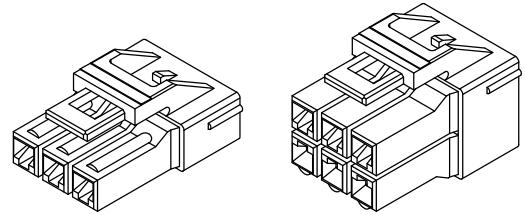
Reference

- ◇ Mates with 4500M series Receptacle Housing and 4500A Retainer
- ◇ Use with 4500TF series Crimp Terminal
- ◇ Certification: UL
- ◇ Applicable wire gauge: AWG 16 - 26



4500F Plug Housing, Single-row

4500F Plug Housing, Dual-row



Single-Row

Dual-Row

Ordering Information

Circuits	Part No.	Row No.	Dimension	
			A	B
2	4500F0210	Single	7.0	10.3
3	4500F0310	Single	7.0	14.8
4	4500F0420	Dual	11.8	10.3
6	4500F0620	Dual	11.8	14.8

Material

Part	Material / Finish
Housing	Nylon 66 94V-0, white (natural color)

※ Color Identification: the following alphabet shall be put,
 ex. 4500F 02 1 0 (white / natural color)
 ex. 4500F 02 1 0 - R
 02... Circuit no.
 Color no. : B... Black, E... Blue, R... Red color

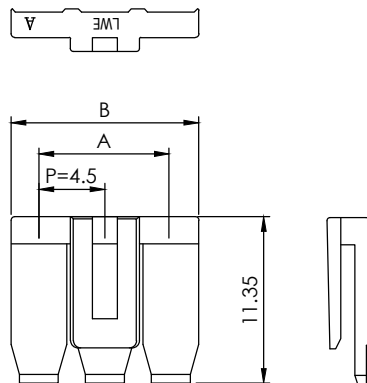
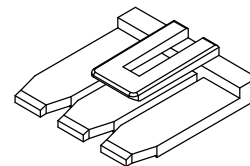
Specifications

- ◇ Temperature Range: -25° C to 90° C

Reference

- ◇ Use with 4500F series Plug housing
- ◇ Use with 4500M series Receptacle housing

4500A Retainer (T.P.A.)



Ordering Information

Circuits	Part No.	Dimension	
		A	B
2	4500A0200	4.5	8.3
3	4500A0300	9.0	12.8

Material

Part	Material / Finish
T.P.A	Nylon 66 94V-0, white (natural color)

※ Color Identification: the following alphabet shall be put,
 ex. 4500A 02 0 0 (white / natural color)
 ex. 4500A 02 0 0 - R
 02... Circuit no.
 Color no. : B... Black, E... Blue, R... Red color

4.5 Pitch 4500 SERIES CONNECTOR



4.5 mm Pitch Wire-to-Wire Connector

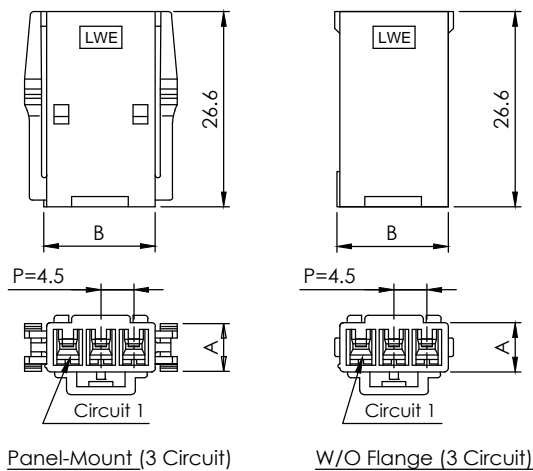


■ Specifications

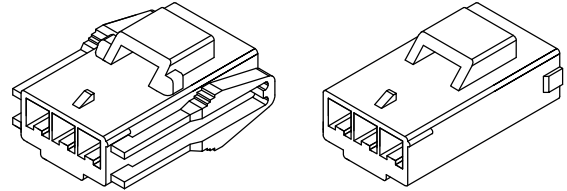
- ◇ Current rating: 10A AC/DC Max. (AWG 16, 2-Circuit)
- ◇ Voltage Range: 300V AC,DC
- ◇ Withstand Voltage: 1500V AC/Minute
- ◇ Contact Resistance: 7 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

■ Reference

- ◇ Mates with 4500F series Plug Housing (Single-row)
- ◇ Use with 4500TM series Crimp Terminal
- ◇ Applicable wire gauge: AWG 16 - 26



4500M Receptacle Housing, Single-row



Panel-Mount Type

W/O Flange

Ordering Information

Circuits	Part No.		Dimension	
	Panel Mount	W/O Flange	A	B
2	4500M0210	4500M0210-1	6.7	10.3
3	4500M0310	4500M0310-1	6.7	14.8

Material

Part	Material / Finish
Housing	Nylon 66 94V-0, white (natural color)

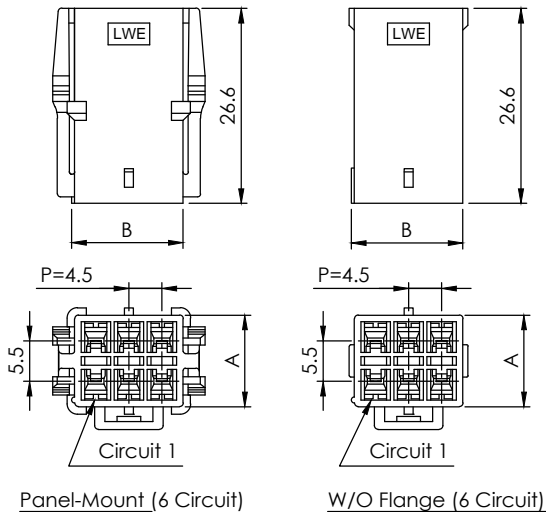
※ Color Identification: the following alphabet shall be put,
 ex. 4500M 02 1 0 (white / natural color)
 ex. 4500M 02 1 0 - R
 02... Circuit no.
 Color no. : B... Black, E... Blue, R... Red color

■ Specifications

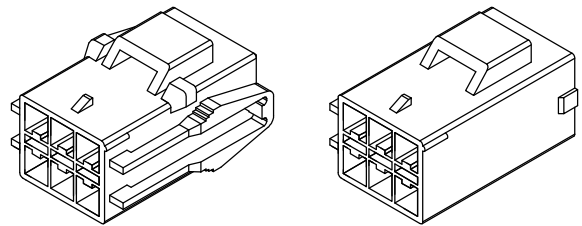
- ◇ Current rating: 10A AC/DC Max. (AWG 16, 2-Circuit)
- ◇ Voltage Range: 300V AC,DC
- ◇ Withstand Voltage: 1500V AC/Minute
- ◇ Contact Resistance: 7 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -25° C to 90° C

■ Reference

- ◇ Mates with 4500F series Plug Housing (Dual-row)
- ◇ Use with 4500TM series Crimp Terminal
- ◇ Applicable wire gauge: AWG 16 - 26



4500M Receptacle Housing, Dual-row



Panel-Mount Type

W/O Flange

Ordering Information

Circuits	Part No.		Dimension	
	Panel Mount	W/O Flange	A	B
4	4500M0420	4500M0420-1	12.5	10.3
6	4500M0620	4500M0620-1	12.5	14.8

Material

Part	Material / Finish
Housing	Nylon 66 94V-0, white (natural color)

※ Color Identification: the following alphabet shall be put,
 ex. 4500M 04 2 0 (white / natural color)
 ex. 4500M 04 2 0 - R
 04... Circuit no.
 Color no. : B... Black, E... Blue, R... Red color

4.5 Pitch 4500 SERIES CONNECTOR



4.5 mm Pitch Wire-to-Wire Connector

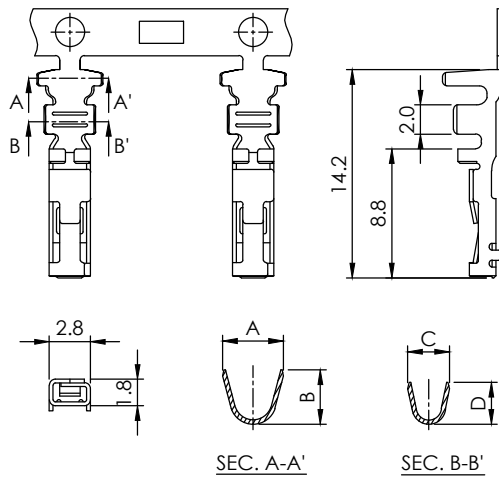


Specifications

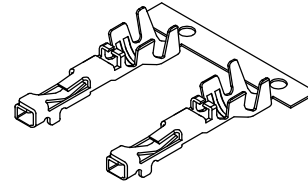
- ◇ Current rating: 10A AC/DC Max. (AWG 16, 2-Circuit)
- ◇ Voltage Range: 300V AC,DC
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Use with 4500F series Plug Housing
- ◇ Mates with 4500TM series Pin-contact Crimp Terminal



4500TF Crimp Terminal



Ordering Information

Part No.	Applicable Wire		Q'ty / Reel
	AWG #	Insulation O.D. mm	
4500TF11R	20 - 26	2.5 Max.	4,000
4500TF21R	16 - 20	3.4 Max.	4,000

Material

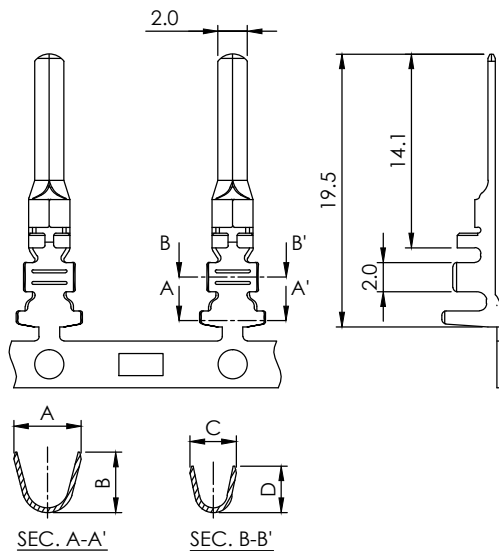
Part No.	Material	Dimension			
		A	B	C	D
4500TF11R	Phosphor Bronze	3.3	3.3	2.3	1.9
4500TF21R	Tin-Plated	5.0	4.0	3.5	2.8

Specifications

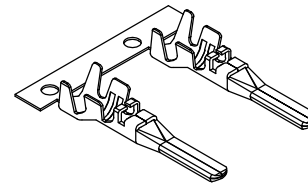
- ◇ Current rating: 10A AC/DC Max. (AWG 16, 2-Circuit)
- ◇ Voltage Range: 300V AC,DC
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Use with 4500M series Receptacle Housing
- ◇ Mates with 4500TF series Crimp Terminal



4500TM Pin-contact Crimp Terminal



Ordering Information

Part No.	Applicable Wire		Q'ty / Reel
	AWG #	Insulation O.D. mm	
4500TM11R	20 - 26	2.5 Max.	5,000
4500TM21R	16 - 20	3.4 Max.	5,000

Material

Part No.	Material	Dimension			
		A	B	C	D
4500TM11R	Phosphor Bronze	3.3	3.3	2.2	2.0
4500TM21R	Tin-Plated	4.5	4.0	3.5	2.9

4.5 Pitch 4510 SERIES CONNECTOR



4.5 mm Pitch Wire-to-Wire Connector

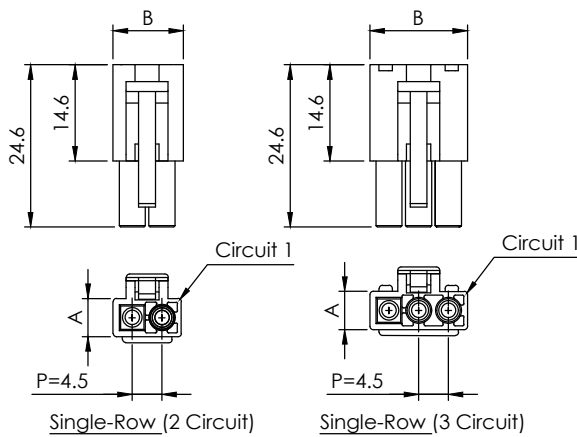


Specifications

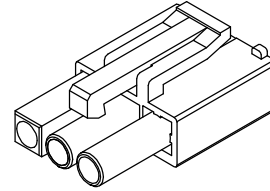
- ◇ Current rating: 10A AC/DC Max. (AWG 16, 2-Circuit)
- ◇ Voltage Range: 300V AC,DC
- ◇ Withstand Voltage: 1500V AC/Minute
- ◇ Contact Resistance: 7 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Mates with 4510M series Receptacle Housing (Single-row)
- ◇ Use with 4510TF series Crimp Terminal
- ◇ Certification: UL, TUV
- ◇ Applicable wire gauge: AWG 16 - 26



4510F Plug Housing, Single-row



Ordering Information

Circuits	Part No.	Dimension	
		A	B
2	4510F0210	5.8	10.3
3	4510F0310	5.8	14.8

Material

Part	Material / Finish
Housing	Nylon 66 94V-0, white (natural color)

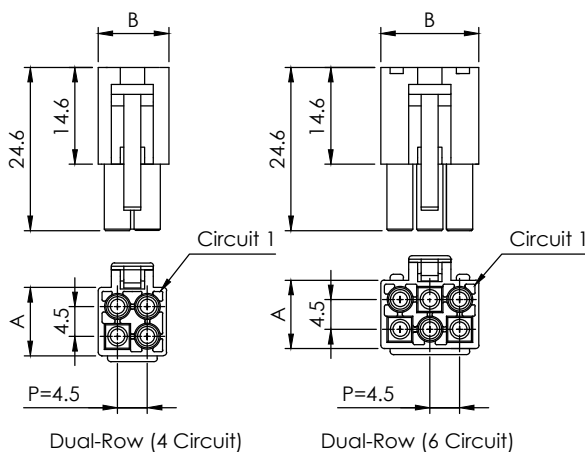
- ※ Color Identification: the following alphabet shall be put,
 ex. 4510F 02 1 0 (white / natural color)
 ex. 4510F 02 1 0 - R
 02... Circuit no.
 Color no. : B... Black, E... Blue, R... Red color

Specifications

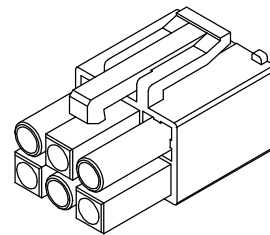
- ◇ Current rating: 10A AC/DC Max. (AWG 16, 2-Circuit)
- ◇ Voltage Range: 300V AC,DC
- ◇ Withstand Voltage: 1500V AC/Minute
- ◇ Contact Resistance: 7 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Mates with 4510M series Receptacle Housing (Dual-row)
- ◇ Use with 4510TF series Crimp Terminal
- ◇ Certification: UL, TUV
- ◇ Applicable wire gauge: AWG 16 - 26



4510F Plug Housing, Dual-row



Ordering Information

Circuits	Part No.	Dimension	
		A	B
4	4510F0420	10.3	10.3
6	4510F0620	10.3	14.8

Material

Part	Material / Finish
Housing	Nylon 66 94V-0, white (natural color)

- ※ Color Identification: the following alphabet shall be put,
 ex. 4510F 04 2 0 (white / natural color)
 ex. 4510F 04 2 0 - R
 04... Circuit no.
 Color no. : B... Black, E... Blue, R... Red color

4.5 Pitch 4510 SERIES CONNECTOR



4.5 mm Pitch Wire-to-Wire Connector

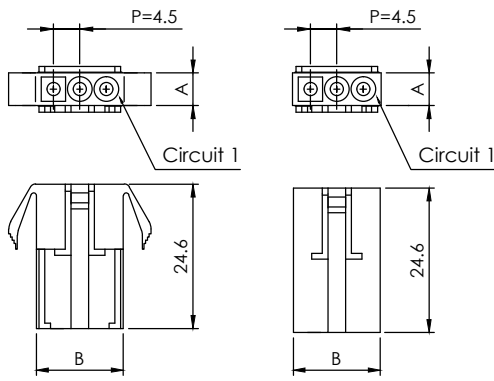


Specifications

- ◇ Current rating: 10A AC/DC Max. (AWG 16, 2-Circuit)
- ◇ Voltage Range: 300V AC,DC
- ◇ Withstand Voltage: 1500V AC/Minute
- ◇ Contact Resistance: 7 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

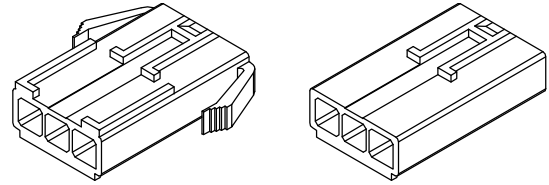
- ◇ Mates with 4510F series Receptacle Housing (Single-row)
- ◇ Use with 4510TM series Pin-contact Crimp Terminal
- ◇ Applicable wire gauge: AWG 16 - 26



Panel-Mount (3 Circuit)

W/O Flange (3 Circuit)

4510M Receptacle Housing, Single-row



Panel-Mount Type

W/O Flange

Ordering Information

Circuits	Part No.		Dimension	
	Panel Mount	W/O Flange	A	B
2	4510M0210	4510M0210-1	5.3	10.3
3	4510M0310	4510M0310-1	5.3	14.8

Material

Part	Material / Finish
Housing	Nylon 66 94V-0, white (natural color)

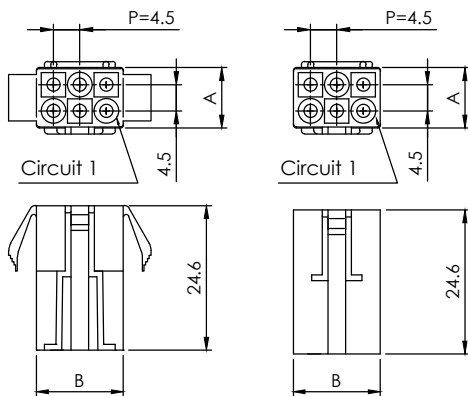
※ Color Identification: the following alphabet shall be put,
 ex. 4510M 02 1 0 (white / natural color)
 ex. 4510M 02 1 0 - R
 02... Circuit no.
 Color no. : B... Black, E... Blue, R... Red color

Specifications

- ◇ Current rating: 10A AC/DC Max. (AWG 16, 2-Circuit)
- ◇ Voltage Range: 300V AC,DC
- ◇ Withstand Voltage: 1500V AC/Minute
- ◇ Contact Resistance: 7 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

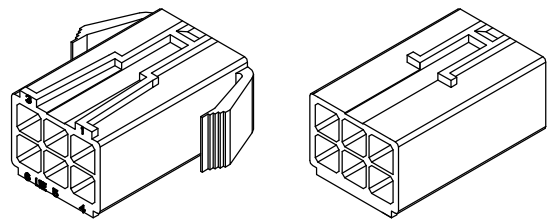
- ◇ Mates with 4510F series Receptacle Housing (Dual-row)
- ◇ Use with 4510TM series Pin-contact Crimp Terminal
- ◇ Applicable wire gauge: AWG 16 - 26



Panel-Mount (6 Circuit)

W/O Flange (6 Circuit)

4510M Receptacle Housing, Dual-row



Panel-Mount Type

W/O Flange

Ordering Information

Circuits	Part No.		Dimension	
	Panel Mount	W/O Flange	A	B
4	4510M0420	4510M0420-1	10.3	10.3
6	4510M0620	4510M0620-1	10.3	14.8

Material

Part	Material / Finish
Housing	Nylon 66 94V-0, white (natural color)

※ Color Identification: the following alphabet shall be put,
 ex. 4510M 06 1 0 (white / natural color)
 ex. 4510M 06 1 0 - R
 06... Circuit no.
 Color no. : B... Black, E... Blue, R... Red color

4.5 Pitch 4510 SERIES CONNECTOR



4.5 mm Pitch Wire-to-Wire Connector



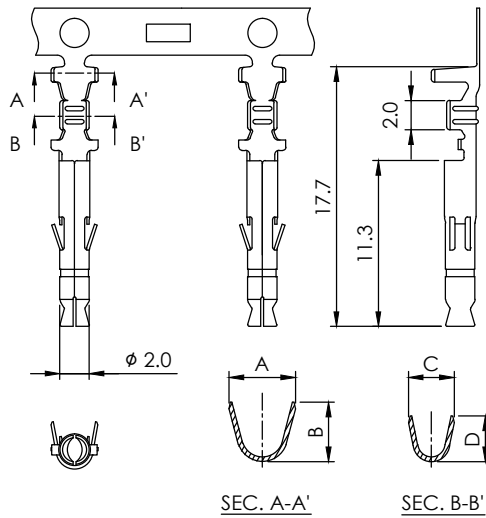
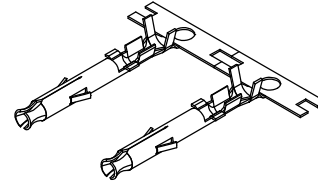
Specifications

- ◇ Current rating: 10A AC/DC Max. (AWG 16, 2-Circuit)
- ◇ Voltage Range: 300V AC,DC
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Use with 4510F series Plug Housing
- ◇ Mates with 4510TM series Pin-contact Crimp Terminal

4510TF Crimp Terminal



Ordering Information

Part No.	Applicable Wire		Q'ty / Reel
	AWG #	Insulation O.D. mm	
4510TF11R	20 - 26	2.7 Max.	5,000
4510TF21R	16 - 20	3.4 Max.	5,000

Material

Part No.	Material	Dimension			
		A	B	C	D
4510TF11R	Phosphor Bronze	3.2	3.3	2.0	2.0
4510TF21R	Tin-Plated	4.7	4.1	2.8	2.7

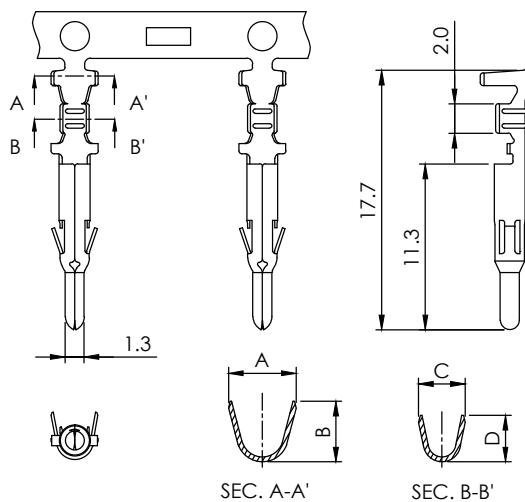
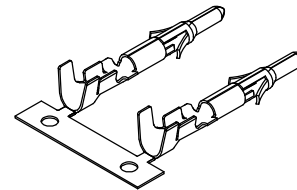
Specifications

- ◇ Current rating: 10A AC/DC Max. (AWG 16, 2-Circuit)
- ◇ Voltage Range: 300V AC,DC
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Use with 4510M series Receptacle Housing
- ◇ Mates with 4510TF series Crimp Terminal

4510TM Pin-contact Crimp Terminal



Ordering Information

Part No.	Applicable Wire		Q'ty / Reel
	AWG #	Insulation O.D. mm	
4510TM11R	20 - 26	2.7 Max.	5,000
4510TM21R	16 - 20	3.4 Max.	5,000

Material

Part No.	Material	Dimension			
		A	B	C	D
4510TM11R	Phosphor Bronze	3.2	3.3	2.0	2.0
4510TM21R	Tin-Plated	4.7	4.1	2.8	2.7

6.2 Pitch 66773, 66774 SERIES CONNECTOR



6.2 mm Pitch Wire-to-Wire, Wire-to-Board Connector

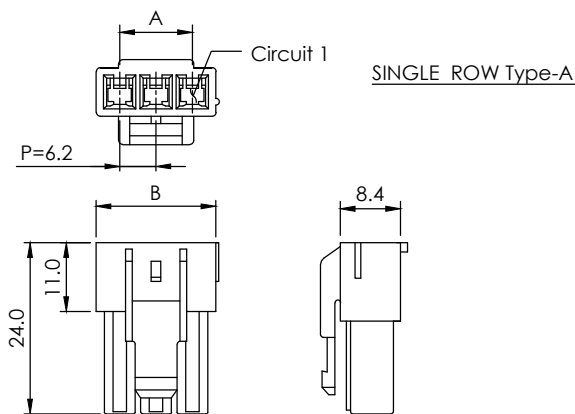


Specifications

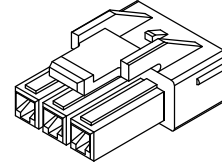
- ◇ Current rating: 20A AC/DC Max. (AWG 12, 2-Circuit)
- ◇ Voltage Range: 600V AC,DC
- ◇ Withstand Voltage: 2000V AC/Minute
- ◇ Contact Resistance: 7 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Mates with 66775P series type-A Header (Single-row)
- ◇ Use with 66774TF series Crimp Terminal
- ◇ Certification: cUL, TUV
- ◇ Applicable wire gauge: AWG 12 - 22



66774F Plug Housing, Type-A



Ordering Information

Circuits	Part No.	Dimension	
		A	B
2	66774F02 A0	6.2	13.4
3	66774F03 A0	12.4	19.6
4	66774F04 A0	18.6	25.8
6	66774F04 A0	31.0	38.2

Material

Part	Material / Finish
Housing	Nylon 66 94V-0, white (natural color)

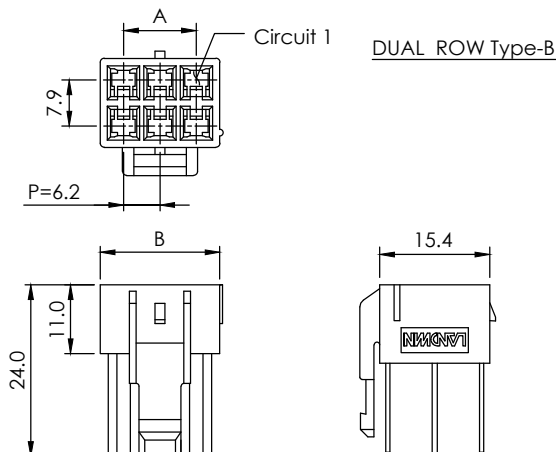
※ Color Identification: the following alphabet shall be put,
 ex. 66774F 04 A 0 (white / natural color)
 ex. 66774F 04 A 0 - R
 04... Circuit no. R... Red

Specifications

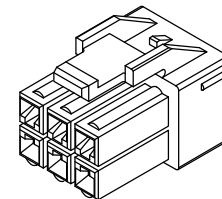
- ◇ Current rating: 20A AC/DC Max. (AWG 12, 2-Circuit)
- ◇ Voltage Range: 600V AC,DC
- ◇ Withstand Voltage: 2000V AC/Minute
- ◇ Contact Resistance: 7 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Mates with 66775P series type-B Header (Dual-row)
- ◇ Use with 66774TF series Crimp Terminal
- ◇ Certification: cUL, TUV
- ◇ Applicable wire gauge: AWG 12 - 22



66774F Plug Housing, Type-B



Ordering Information

Circuits	Part No.	Dimension	
		A	B
4	66774F04 B0	6.2	13.4
6	66774F06 B0	12.4	19.6
8	66774F08 B0	18.6	25.8
10	66774F10 B0	24.8	32.0
12	66774F12 B0	31.0	38.2

Material

Part	Material / Finish
Housing	Nylon 66 94V-0, white (natural color)

※ Color Identification: the following alphabet shall be put,
 ex. 66774F 04 B 0 (white / natural color)
 ex. 66774F 04 B 0 - R
 04... Circuit no. R... Red

6.2 Pitch 66775 SERIES CONNECTOR



6.2 mm Pitch Wire-to-Board Connector

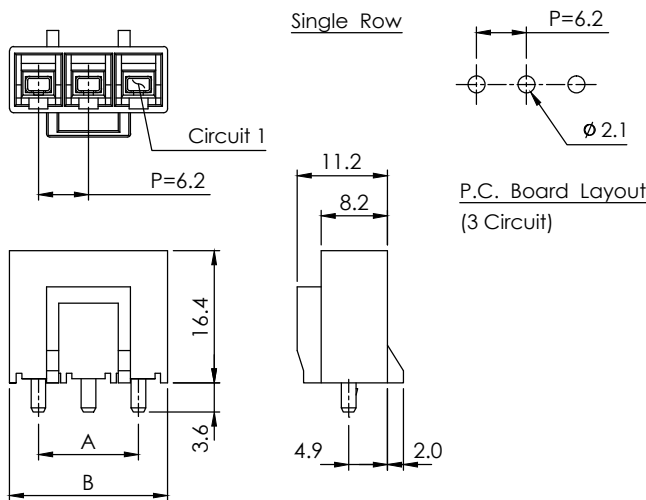


Specifications

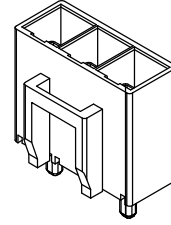
- ◇ Current rating: 20A AC/DC Max. (AWG 12, 2-Circuit)
- ◇ Voltage Range: 600V AC,DC
- ◇ Withstand Voltage: 2000V AC/Minute
- ◇ Contact Resistance: 7 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Mates with 66774F Type-A series Plug Housing (Single-row)
- ◇ Certification: cUL, TUV



66775P DIP Header, Type-A



Ordering Information

Circuits	Part No.	Dimension	
		A	B
2	66775P02 A0T	6.2	13.4
3	66775P03 A0T	12.4	19.6
4	66775P04 A0T	18.6	25.8

Material

Part	Material / Finish
Base	Nylon 66 94V-0, white (natural color)
Contact	Brass, Tin-plated

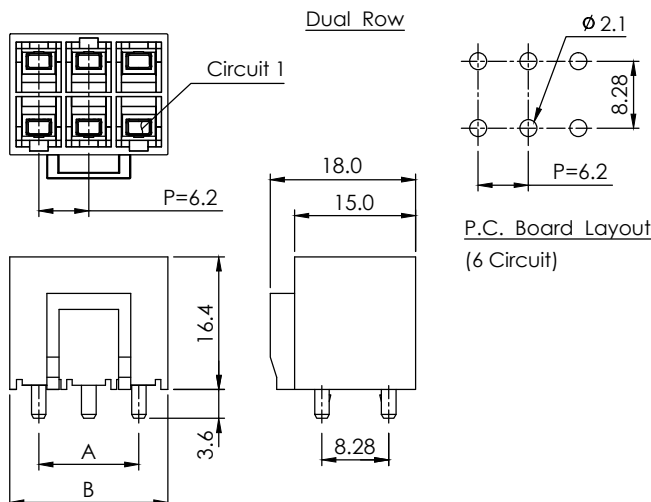
※ Color Identification: the following alphabet shall be put,
 ex. 66775P 02 A 0 T
 ex. 66775P 02 A 0 T - B
 02... Circuit no. B... Black, E... Blue color,

Specifications

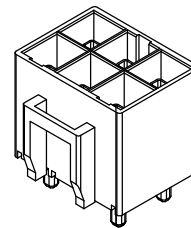
- ◇ Current rating: 20A AC/DC Max. (AWG 12, 2-Circuit)
- ◇ Voltage Range: 600V AC,DC
- ◇ Withstand Voltage: 2000V AC/Minute
- ◇ Contact Resistance: 7 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Mates with 66774F Type-B series Plug Housing (Dual-row)
- ◇ Certification: cUL, TUV



66775P DIP Header, Type-B



Ordering Information

Circuits	Part No.	Dimension	
		A	B
4	66775P04 B0T	6.2	13.4
6	66775P06 B0T	12.4	19.6
8	66775P08 B0T	18.6	25.8
10	66775P10 B0T	24.8	32.0
12	66775P12 B0T	31.0	38.2

Material

Part	Material / Finish
Base	Nylon 66 94V-0, white (natural color)
Contact	Brass, Tin-plated

※ Color Identification: the following alphabet shall be put,
 ex. 66775P 04 B 0 T
 ex. 66775P 04 B 0 T - B
 04... Circuit no. B... Black, E... Blue color,

6.2 Pitch 66773, 66774 SERIES CONNECTOR



6.2 mm Pitch Wire-to-Wire Connector



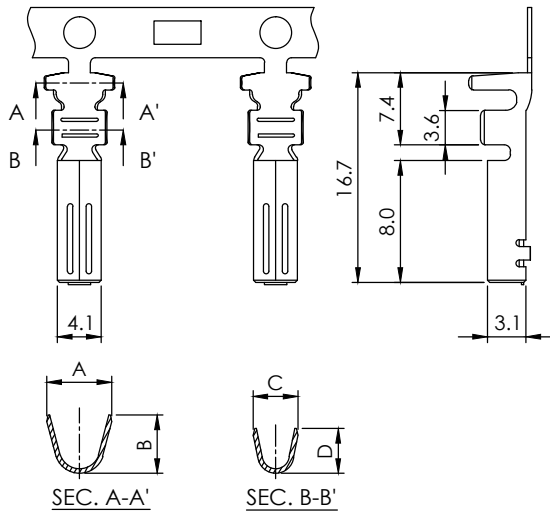
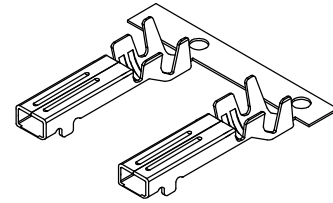
Specifications

- ◇ Current rating: 20A AC/DC Max. (AWG 12, 2-Circuit)
- ◇ Voltage Range: 600V AC,DC
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Use with 66774F Type-A, Type-B series Plug Housing

66774TF Crimp Terminal



Ordering Information

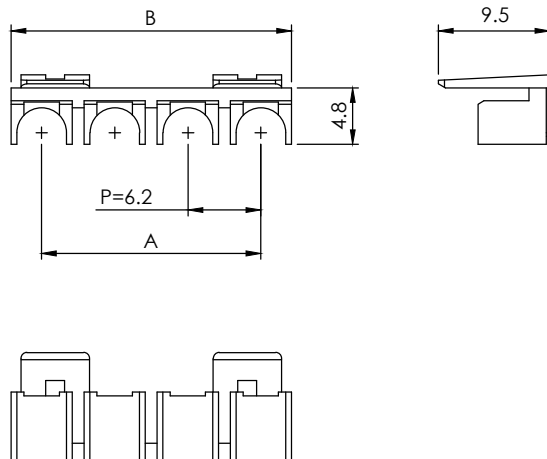
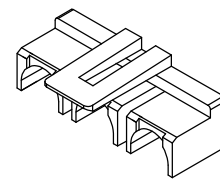
Part No.	Applicable Wire		Q'ty / Reel
	AWG #	Insulation O.D. mm	
66774TF11R	22 - 16	3.2 Max.	2,500
66774TF21R	20 - 14	3.4 Max.	
66774TF31R	12	4.1 Max.	

Part No.	Material	Dimension			
		A	B	C	D
66774TF11R	Phosphor bronze Tin-plated	6.0	5.0	3.3	3.0
66774TF21R		6.2	5.7	4.0	4.5
66774TF31R		7.0	6.5	4.5	4.5

Reference

- ◇ Mates with 66774F type-A and type-B series Plug Housing
- ◇ GWT 850° C rated product is available

66773A Type-A Retainer (T.P.A.)



Ordering Information

Circuits	Part No.	Dimension	
		A	B
2	66773A02 A1	6.2	11.4
3	66773A03 A1	12.4	17.6
4	66773A04 A1	18.6	23.8
6	66773A06 A1	31.0	36.2

Material

Part	Material / Finish
T.P.A	Glass-filled Nylon 66 94V-0, Light ivory color

※ Color Identification: the following alphabet shall be put,
 ex. 66773A 02 A 1
 ex. 66773A 02 A 1 - R
 02... Circuit no. R... Red

6.2 Pitch 66773, 66774 SERIES CONNECTOR



6.2 mm Pitch Wire-to-Wire Connector

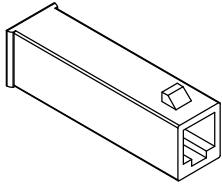


■ Specifications

- ◇ Current rating: 15A AC/DC Max. (AWG 14)
- ◇ Voltage Range: 300V AC,DC
- ◇ Withstand Voltage: 1500V AC/Minute
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Insulation Resistance: 100 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C
- ◇ Applicable wire gauge: AWG 14 - 18

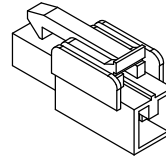
■ Reference

- ◇ 66774F series mates with 66773M series Receptacle Housing
- ◇ Use with 66773T or 66774T series Crimp Terminal
- ◇ Certification: cUL, TUV
- ◇ GWT 850° C rated product is available



P/N: 66773M0111

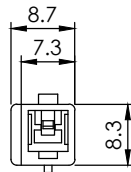
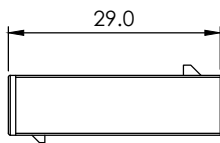
Description: 66773M Type-1 Receptacle Housing



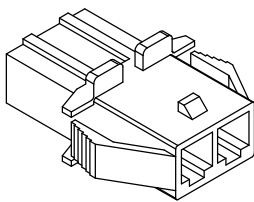
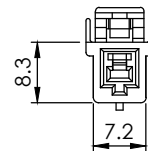
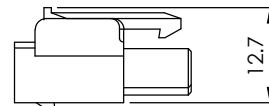
P/N: 66774F0111

Description: 66774F Type-1 Plug Housing

P/N: 66773M0111

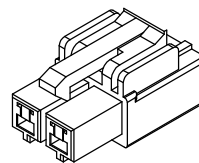


P/N: 66774F0111



P/N: 66773M0211

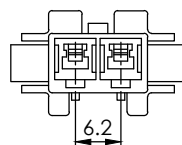
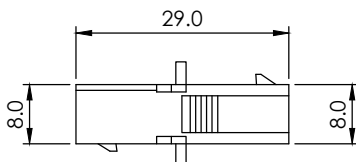
Description: 66773M Type-1 Receptacle Housing



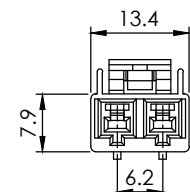
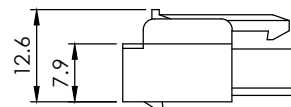
P/N: 66774F0211

Description: 66774F Type-1 Plug Housing

P/N: 66773M0211



P/N: 66774F0211



6.2 Pitch 66773, 66774 SERIES CONNECTOR



6.2 mm Pitch Wire-to-Wire Connector

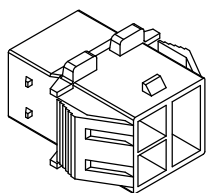


■ Specifications

- ◇ Current rating: 15A AC/DC Max. (AWG 14)
- ◇ Voltage Range: 300V AC,DC
- ◇ Withstand Voltage: 1500V AC/Minute
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Insulation Resistance: 100 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C
- ◇ Applicable wire gauge: AWG 14 - 18

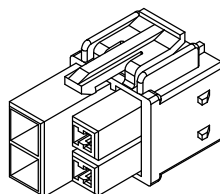
■ Reference

- ◇ 66774F series mates with 66773M series Receptacle Housing
- ◇ Use with 66773T or 66774T series Crimp Terminal
- ◇ Certification: cUL, TUV
- ◇ GWT 850° C rated product is available



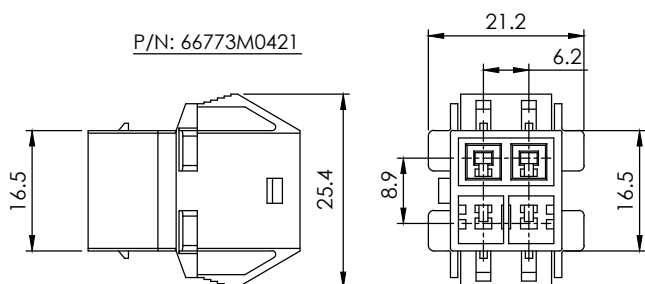
P/N: 66773M0421

Description: 66773M Type-2 Receptacle Housing

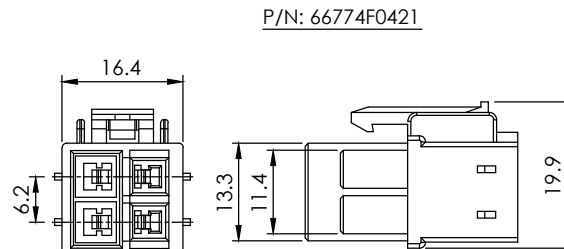


P/N: 66774F0421

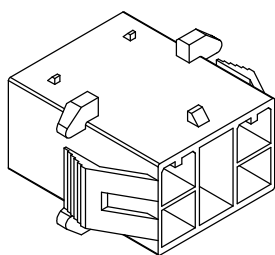
Description: 66774F Type-2 Plug Housing



P/N: 66773M0421

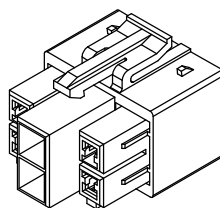


P/N: 66774F0421



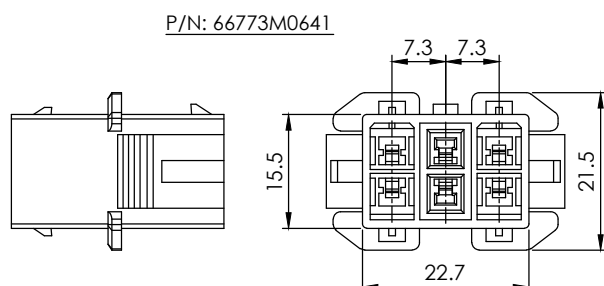
P/N: 66773M0641

Description: 66773M Type-4 Receptacle Housing

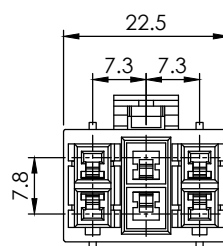


P/N: 66774F0641

Description: 66774F Type-4 Plug Housing



P/N: 66773M0641



P/N: 66774F0641

6.2 Pitch 66773, 66774 SERIES CONNECTOR



6.2 mm Pitch Wire-to-Wire Connector



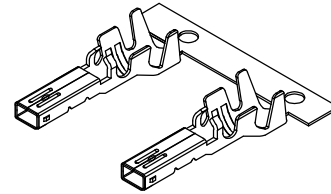
Specifications

- ◇ Current rating: 15A AC/DC Max.
- ◇ Voltage Range: 300V AC,DC
- ◇ Temperature Range: -40° C to 105° C

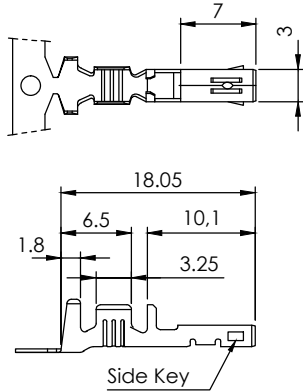
Reference

- ◇ Use with 66774F series plug housing
- ◇ Use with 66773M series receptacle housing
- ◇ Mates with 66773T series Pin-contact Crimp Terminal

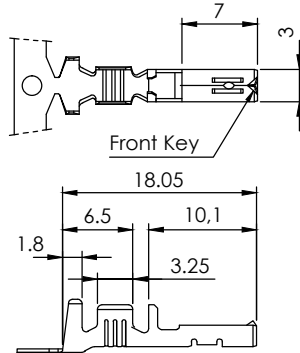
66774T Crimp Terminal



P/N: 66774T021R
(With Side Key)



P/N: 66774T121R
(Without Side Key)



Ordering Information

Part No.	Applicable Wire		Q'ty / Reel
	AWG #	Insulation O.D. mm	
66774T021R	18 - 14	3.5 Max.	3,500
66774T121R	18 - 14	3.5 Max.	3,500

Material

Phosphor Bronze, Tin-Plated

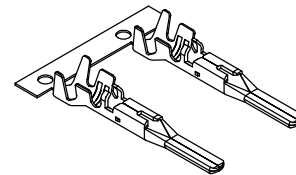
Specifications

- ◇ Current rating: 15A AC/DC Max.
- ◇ Voltage Range: 300V AC,DC
- ◇ Temperature Range: -40° C to 105° C

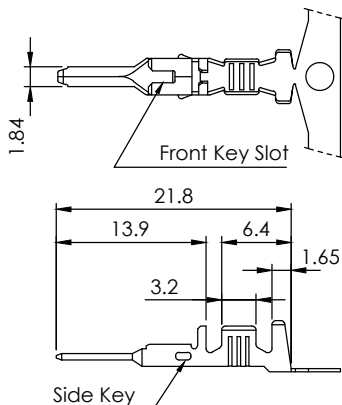
Reference

- ◇ Use with 66774F series plug housing
- ◇ Use with 66773M series receptacle housing
- ◇ Mates with 66774T series Crimp Terminal

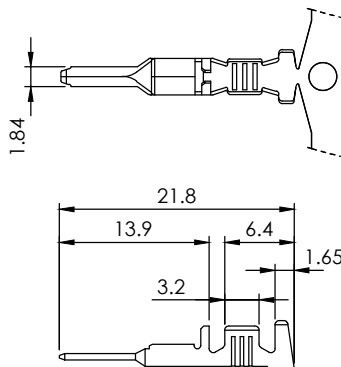
66773T Pin-contact Crimp Terminal



P/N: 66773T022R
(With Side Key)



P/N: 66773T122R
(Without Side Key)



Ordering Information

Part No.	Applicable Wire		Q'ty / Reel
	AWG #	Insulation O.D. mm	
66773T022R	18 - 14	3.5 Max.	3,500
66773T122R	18 - 14	3.5 Max.	3,500

Material

Brass, Tin-Plated

6.2 Pitch 66773, 66774 SERIES CONNECTOR



6.2 mm Pitch Wire-to-Wire Connector

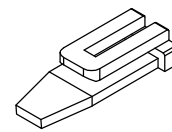
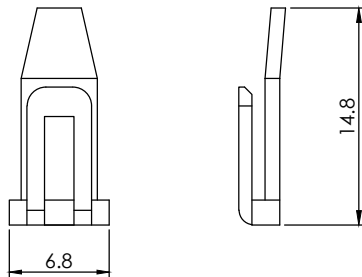


■ Specifications

◇ Temperature Range: -40° C to 105° C

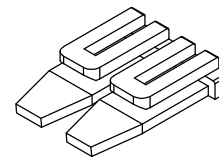
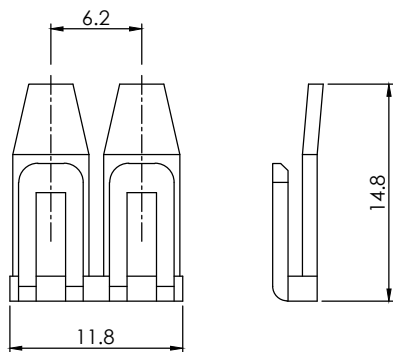
■ Reference

- ◇ Use with 66774F series Plug Housing
- ◇ Use with 66773M series Receptacle Housing
- ◇ GWT 850° C rated product is available



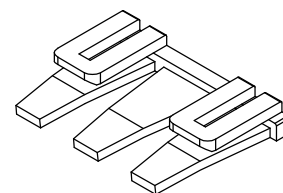
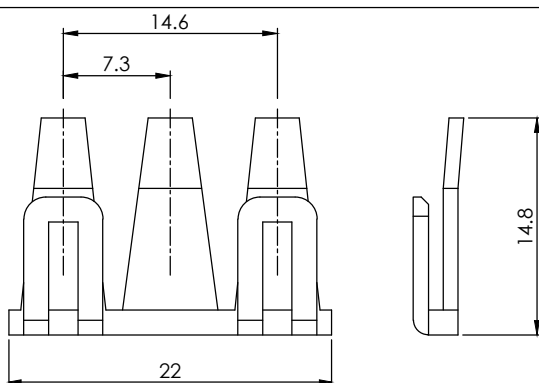
P/N: 66773A0111-R

Description: 66773A Type-1 T.P.A., red



P/N: 66773A0221-R

Description: 66773A Type-2 T.P.A., red



P/N: 66773A0341-R

Description: 66773A Type-4 T.P.A., red

6.35 Pitch 6350 SERIES CONNECTOR



6.35 mm Pitch Wire-to-Wire, Wire-to-Board Connector



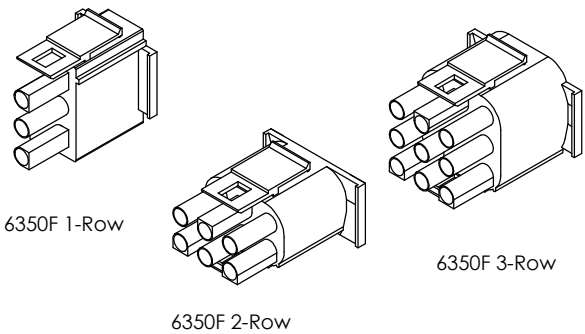
Specifications

- ◇ Current rating: 10A AC/DC Max.
- ◇ Voltage Range: 600V AC,DC
- ◇ Withstand Voltage: 5000V AC/Minute
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -55° C to 105° C

Reference

- ◇ Mates with 6350M series Receptacle Housing
- ◇ Mates with 6351P series Straight Header
- ◇ Use with 6353TF series Crimp Terminal
- ◇ Use with 6350VA TYPE-1 Socket Seal
- ◇ Use with 6350VA TYPE-2 Cable Seal
- ◇ Certification: UL
- ◇ Applicable wire gauge: AWG 14 - 18

6350F Plug Housing



6350F 1-Row

6350F 2-Row

6350F 3-Row

Ordering Information

Circuits	Part No.	Dimension
		A
2	6350F0202	14.0
3	6350F0302	20.3
4	6350F0402	26.7
6	6350F0602	14.0
9	6350F0902	20.3
12	6350F1202	26.7
15	6350F1502	33.0

Material

Part	Material / Finish
Housing	Nylon 66 94V-2, white (natural color)

※ Color Identification: the following alphabet shall be put,
ex. 6350F 02 0 X* (white / natural color)

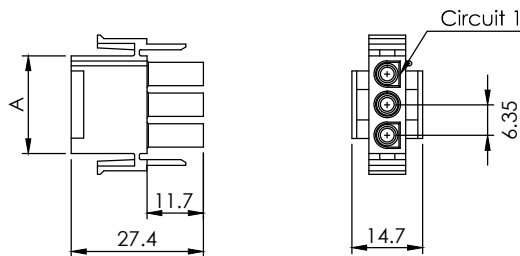
ex. 6350F 02 0 X* - R

02... Circuit no.

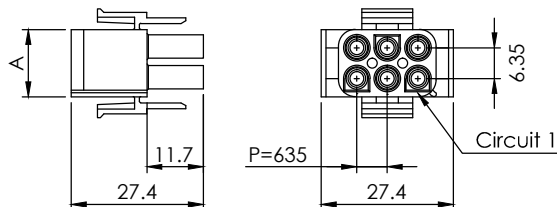
Color no.: B... Black, E... Blue, R... Red color

X*... Material no.: 0... Nylon 66 94V-0, 2... Nylon 66 94V-2

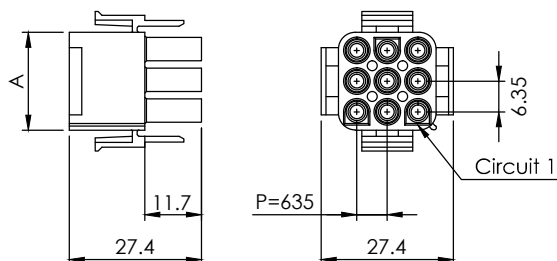
2, 3, 4 Circuit (In-Line)



6 Circuit (Matrix)

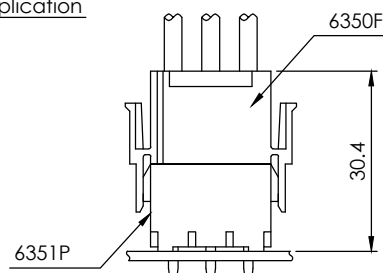


9, 12, 15 Circuit (Matrix)

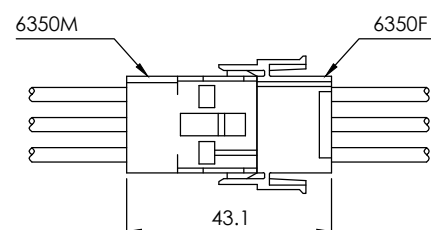


Assembly Layout

Wire-to-Board Application



Wire-to-Wire Application



6.35 Pitch 6350 SERIES CONNECTOR



6.35 mm Pitch Wire-to-Wire Connector



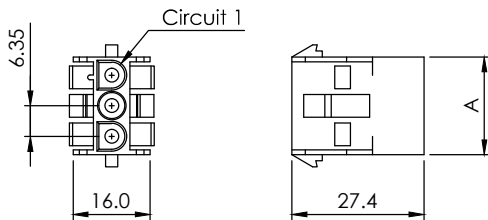
Specifications

- ◇ Current rating: 10A AC/DC Max.
- ◇ Voltage Range: 600V AC,DC
- ◇ Withstand Voltage: 5000V AC/Minute
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -55° C to 105° C

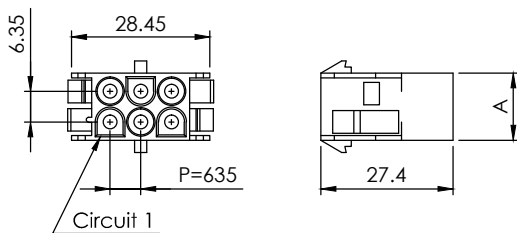
Reference

- ◇ Mates with 6350F series Plug Housing
- ◇ Use with 6353TM series Pin-contact Crimp Terminal
- ◇ Use with 6350VA TYPE-2 Cable Seal
- ◇ Certification: UL
- ◇ Applicable wire gauge: AWG 14 - 18

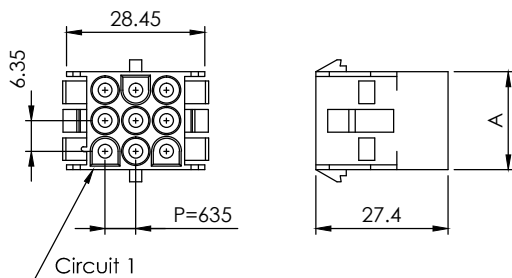
2, 3, 4 Circuit (In-Line)



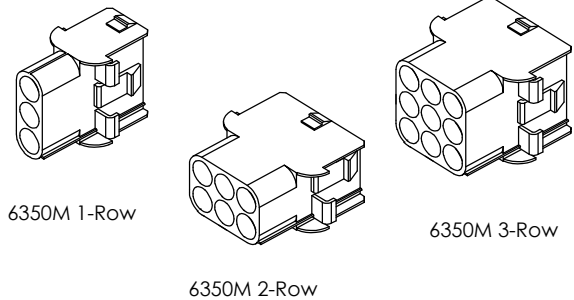
6 Circuit (Matrix)



9, 12, 15 Circuit (Matrix)



6350M Receptacle Housing



Ordering Information

Circuits	Part No.	Dimension
		A
2	6350M0202	13.97
3	6350M0302	20.32
4	6350M0402	26.67
6	6350M0602	13.97
9	6350M0902	20.32
12	6350M1202	26.67
15	6350M1502	33.02

Material

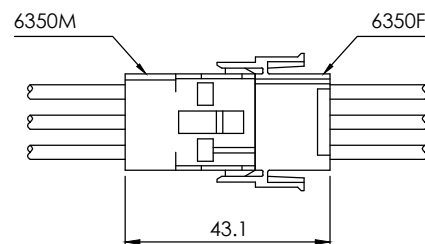
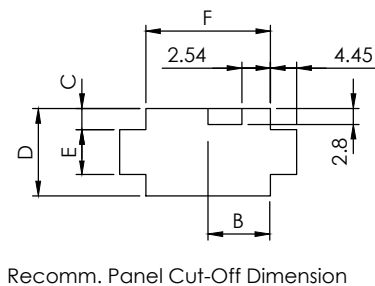
Part	Material / Finish
Housing	Nylon 66 94V-2, white (natural color)

※ Color Identification: the following alphabet shall be put,
 ex. 6350M 02 0 X* (white / natural color)
 ex. 6350M 02 0 X* - R
 02... Circuit no.
 Color no. : B... Black, E... Blue, R... Red color
 X*... Material no.: 0... Nylon 66 94V-0, 2... Nylon 66 94V-2

Cut-off Dimension

Circuits	Dimension				
	B	C	D	E	F
2	8.6	2.4	13.5	6.35	14.4
3	8.6	2.4	13.5	6.35	20.7
4	8.6	2.4	13.5	6.35	27.1
6	12.2	7.0	26.2	6.35	14.4
9	12.2	7.0	26.2	6.35	20.7
12	12.2	7.0	26.2	8.89	27.1
15	12.2	7.0	26.2	8.89	33.4

Panel Layout / Assembly Layout



6.35 Pitch 6350 SERIES CONNECTOR



6.35 mm Pitch Wire-to-Wire, Wire-to-Board Connector



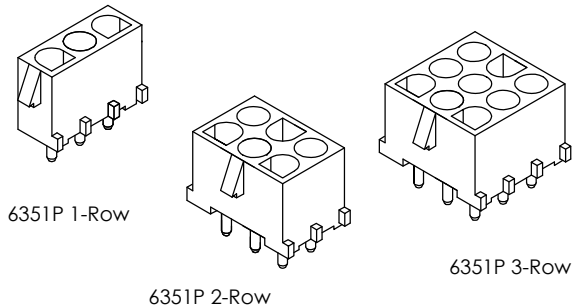
Specifications

- ◇ Current rating: 10A AC/DC Max.
- ◇ Voltage Range: 600V AC,DC
- ◇ Withstand Voltage: 5000V AC/Minute
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -55° C to 105° C

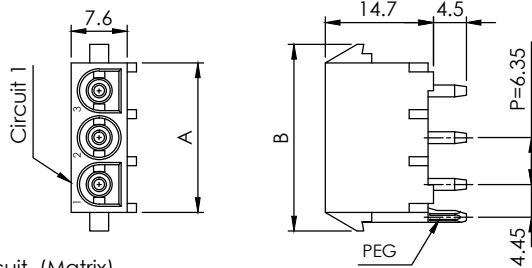
Reference

- ◇ Mates with 6350F series Plug Housing
- ◇ Certification: UL

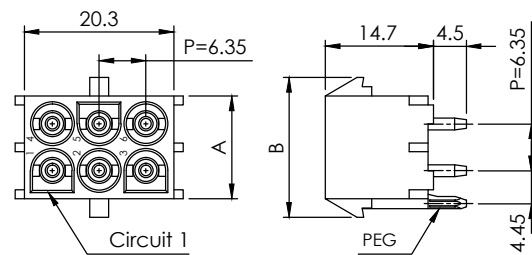
6351P Straight Header



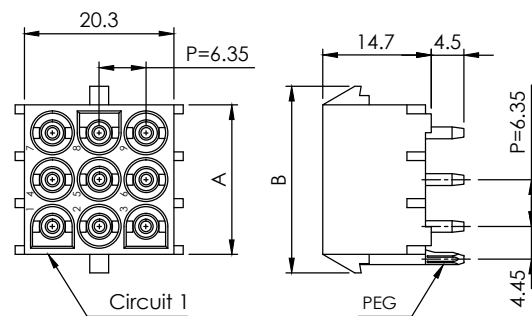
2, 3, 4 Circuit (In-Line)



6 Circuit (Matrix)



9, 12, 15 Circuit (Matrix)



Ordering Information

Circuits	Part No.		Dimension	
	W/O Peg	With Peg	A	B
2	6351P0200T	6351P0210T	13.97	18.97
3	6351P0300T	6351P0310T	20.32	25.32
4	6351P0400T	6351P0410T	26.67	31.67
6	6351P0600T	6351P0610T	13.97	18.97
9	6351P0900T	6351P0910T	20.32	25.32
12	6351P1200T	6351P1210T	26.67	31.67
15	6351P1500T	6351P1510T	33.02	38.02

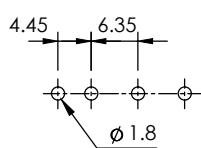
Material

Part	Material
Base	Nylon 66 94V-0, white (natural color)
Contact	Brass, Tin-plated

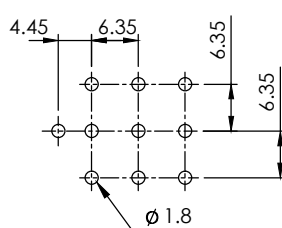
※ Color Identification: the following alphabet shall be put,
 ex. 6351P 02 0 X* T (white / natural color)
 ex. 6351P 02 1 X* T - R
 02... Circuit no.
 Color no. : B... Black, E... Blue, R... Red color
 X*... Material no.: 0... Nylon 66 94V-0, 1... Nylon 66-GF 94V-0

P.C. Board Layout / Assembly Layout

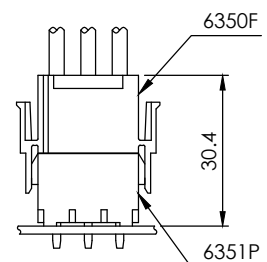
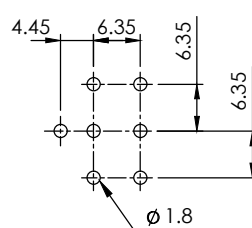
2, 3, 4 Circuit (In-Line)



9, 12, 15 Circuit (Matrix)



6 Circuit (Matrix)



6.35 Pitch 6350 SERIES CONNECTOR



6.35 mm Pitch Wire-to-Wire, Wire-to-Board Connector



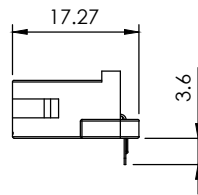
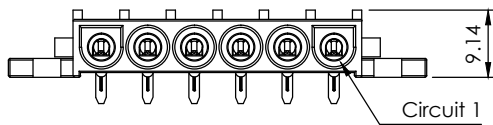
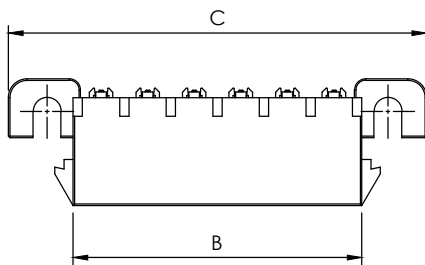
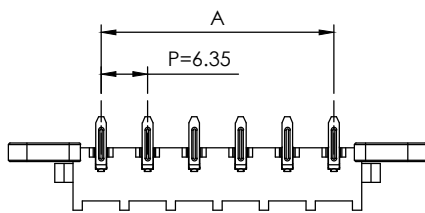
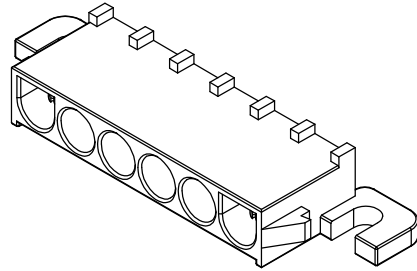
Specifications

- ◇ Current rating: 10A AC/DC Max.
- ◇ Voltage Range: 600V AC,DC
- ◇ Withstand Voltage: 5000V AC/Minute
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -55° C to 105° C

Reference

- ◇ Mates with 6350F series Plug Housing
- ◇ Certification: Refer to 6350 series

6352P Right-angle Header



Ordering Information

Circuits	Part No.	Dimension		
		A	B	C
6	6352P0611T	31.75	39.37	57.02

Material

Part	Material
Base	Glass-filled Nylon 66 94V-0, Light ivory color
Contact	Brass, Tin-plated

※ Color Identification: the following alphabet shall be put,

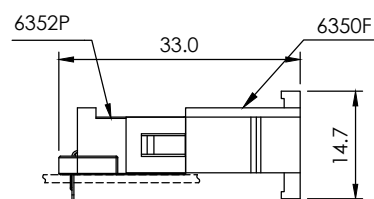
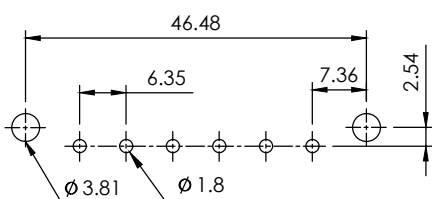
ex. 6352P 06 1 1 T (Light ivory color)

ex. 6352P 06 1 1 T - R

06... Circuit no.

Color no. : B... Black, E... Blue, R... Red color

P.C. Board Layout / Assembly Layout



6.35 Pitch 6350 SERIES CONNECTOR



6.35 mm Pitch Wire-to-Wire, Wire-to-Board Connector



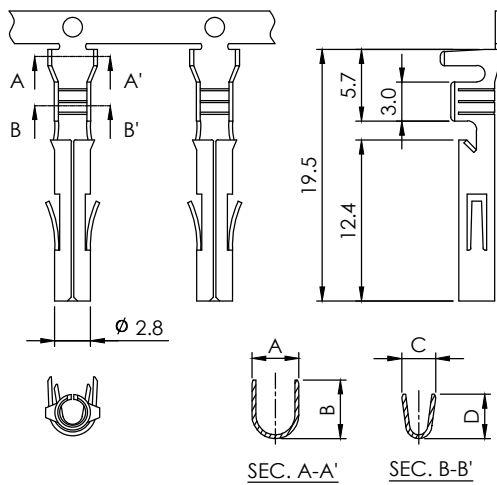
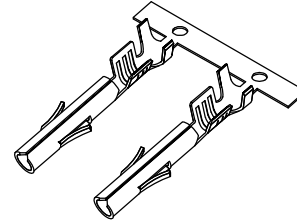
Specifications

- ◇ Current rating: 10A AC/DC Max.
- ◇ Voltage Range: 600V AC,DC
- ◇ Temperature Range: -55° C to 105° C

Reference

- ◇ Use with 6350F series Plug Housing
- ◇ Mates with 6353TM series Pin-contact Crimp Terminal

6353TF Crimp Terminal



Ordering Information

Part No.	Applicable Wire		Q'ty / Reel
	AWG #	Insulation O.D. mm	
6353TF12R	18 - 24	2.7 Max.	4,000
6353TF12R-1	14 - 18	3.5 Max.	4,000

Material

Part No.	Material	A	B	C	D
6353TF12R	Brass, Tin-plated	3.8	4.5	2.6	3.4
6353TF12R-1	Brass, Tin-plated	4.5	4.5	3.4	3.4

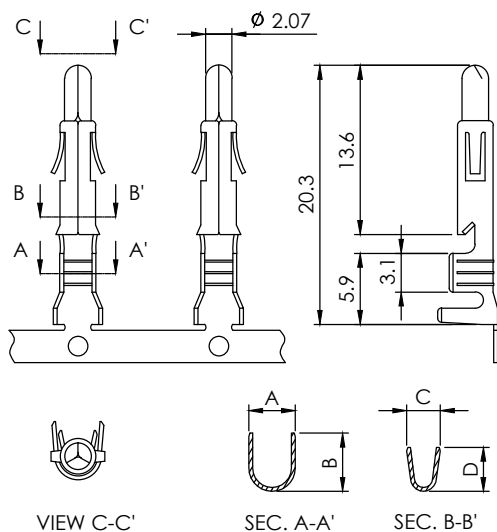
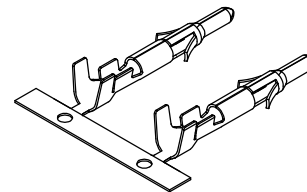
Specifications

- ◇ Current rating: 10A AC/DC Max.
- ◇ Voltage Range: 600V AC,DC
- ◇ Temperature Range: -55° C to 105° C

Reference

- ◇ Use with 6350M series Receptacle Housing
- ◇ Mates with 6353TF series Crimp Terminal

6353TM Pin-contact Crimp Terminal



Ordering Information

Part No.	Applicable Wire		Q'ty / Reel
	AWG #	Insulation O.D. mm	
6353TM12R	18 - 24	2.7 Max.	4,000
6353TM12R-1	14 - 18	3.5 Max.	4,000

Material

Part No.	Material	A	B	C	D
6353TM12R	Brass, Tin-plated	3.8	4.5	2.6	3.4
6353TM12R-1	Brass, Tin-plated	4.5	4.5	3.4	3.4

6.35 Pitch 6350 SERIES CONNECTOR

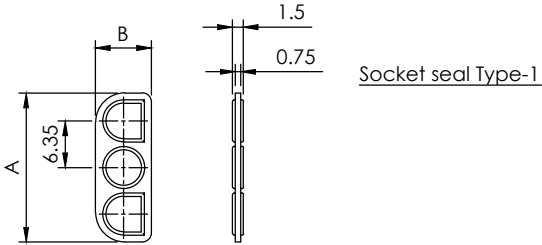


6.35 mm Pitch Wire-to-Wire, Wire-to-Board Connector



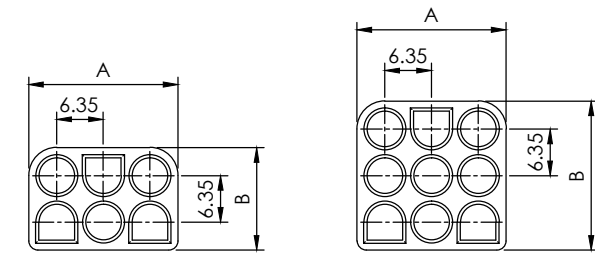
Reference

- ◇ 6350VA Type-1 series use with 6350F series Plug Housing
- ◇ 6350VA Type-2 series use with 6350F series and 6350M series Housing



Socket seal Type-1

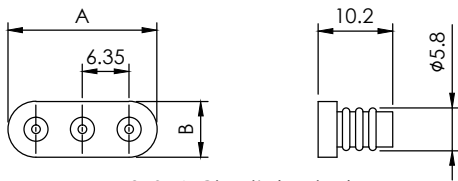
2, 3, 4 Circuit (In-Line)



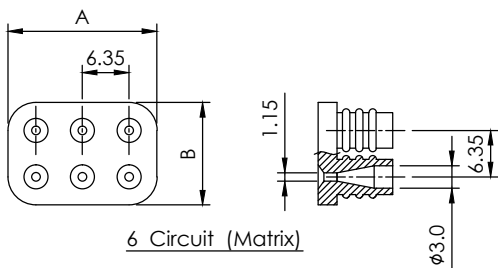
6 Circuit (Matrix)

9, 12, 15 Circuit (Matrix)

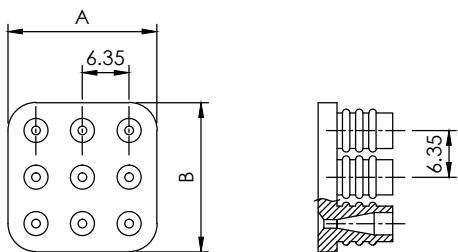
Cable seal Type-2



2, 3, 4 Circuit (In-Line)



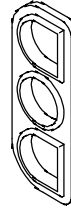
6 Circuit (Matrix)



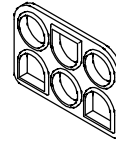
9, 12, 15 Circuit (Matrix)

6350VA Socket Seal (Type-1)

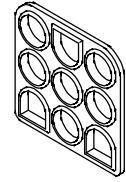
6350VA Cable Seal (Type-2)



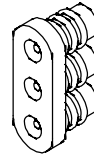
6351P 1-Row Type-1



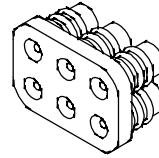
6351P 2-Row Type-1



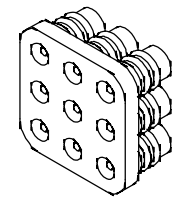
6351P 3-Row Type-1



6351P 1-Row Type-2



6351P 2-Row Type-2



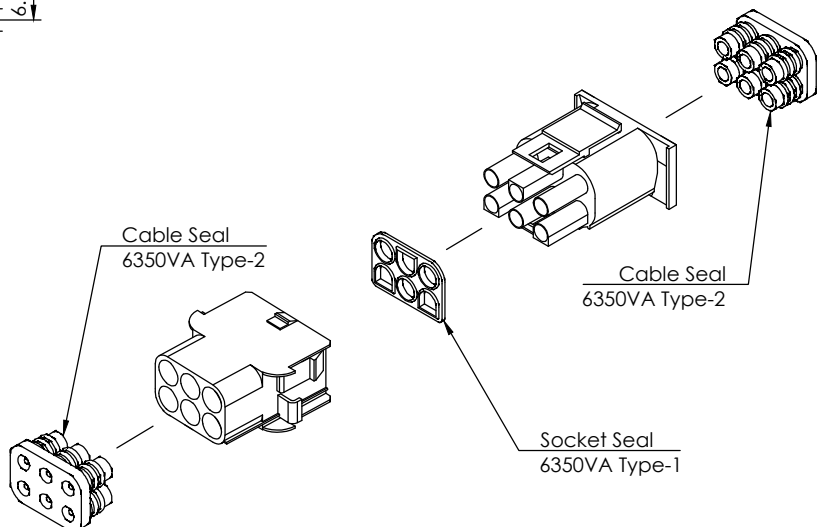
6351P 3-Row Type-2

Ordering Information

Circuits	Part No.		Dimension	
	Socket Seal Type-1	Cable Seal Type-2	A	B
2	6350VA112-E	6350VA122-E	13.97	7.62
3	6350VA113-E	6350VA123-E	20.32	7.62
4	6350VA114-E	6350VA124-E	26.67	7.62
6	6350VA213-E	6350VA223-E	20.32	13.97
9	6350VA313-E	6350VA323-E	20.32	20.32
12	6350VA413-E	6350VA423-E	20.32	26.67
15	6350VA513-E	6350VA523-E	20.32	33.02

Material

Part	Material / Finish
Housing	Silicon rubber, blue color



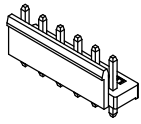
5.0 - 8.0 Pitch SERIES



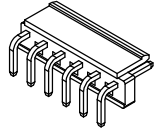
5.0 - 8.0 mm Pitch Connectors - Application Overview

RoHS REACH LF HFA

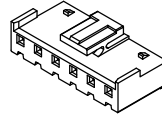
Pitch 5.0 mm / Wire to Board



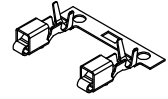
5001P



5002P

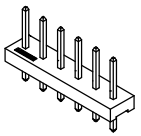


5000S

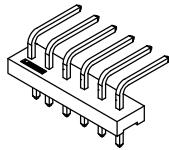


3963T

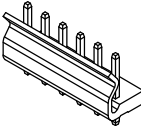
Pitch 5.08 mm / Wire to Board, Wire to Wire



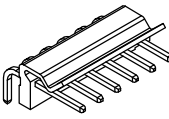
5081P Pin-Header



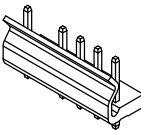
5082P Pin-Header



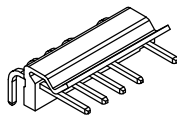
5081P (Type-1)



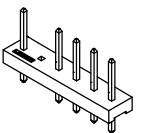
5082P (Type-1)



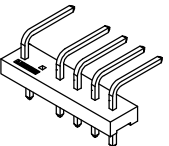
5081P TYPE-A (PIN-2 VOLD)



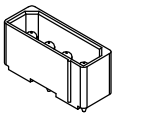
5082P TYPE-A



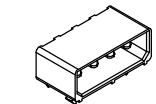
5081P TYPE-A1 (PIN-2 VOLD)



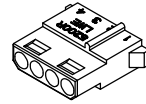
5082P TYPE-A1



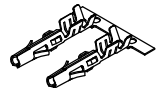
5201P



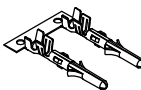
5202P



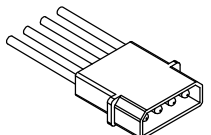
5200R



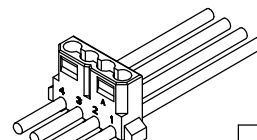
5203T



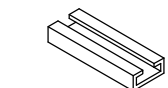
5213T



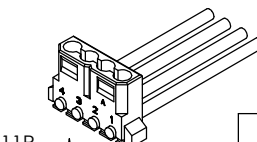
5200P



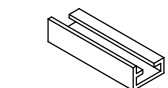
5211R



5211R (Feed thru)



5211R



5211R (Feed to)

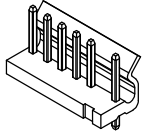
5.0 - 8.0 Pitch SERIES



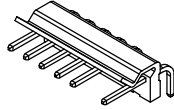
5.0 - 8.0 mm Pitch Connectors - Application Overview

RoHS REACH LF HFA

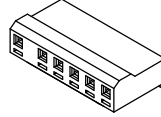
Pitch 7.5 ~ 5.0 mm / Wire to Board



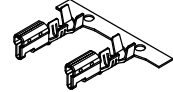
7501P



7502P

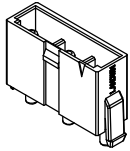


7500S

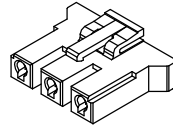


7503T

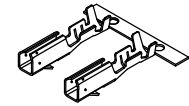
Pitch 8.0 mm / Wire to Board



1086P (Type-1)



1085S (Type-1)



1083T (Type-1)

5.00 Pitch 5000 SERIES CONNECTOR



5.00 mm Pitch Wire-to-Board Connector

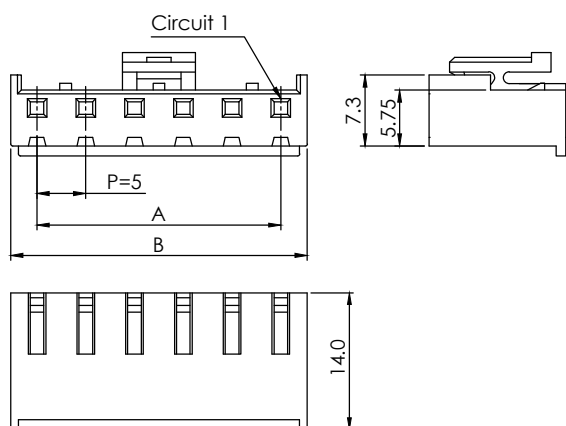


Specifications

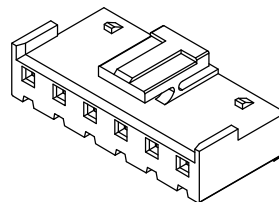
- ◇ Current rating: 7A AC/DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 1500V AC/Minute
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Mates with 5001P, 5002P series Header
- ◇ Use with 3963T series Crimp Terminal
- ◇ Certification: UL



5000S Plug Housing



5000S Plug Housing

Ordering Information

Circuits	Part No.		Dimension	
	Housing		A	B
2	5000S02 00		5.0	10.4
3	5000S03 00		10.0	15.4
4	5000S04 00		15.0	20.4
5	5000S05 00		20.0	25.4
6	5000S06 00		25.0	30.4
7	5000S07 00		30.0	35.4
8	5000S08 00		35.0	40.4
9	5000S09 00		40.0	45.4
10	5000S10 00		45.0	50.4

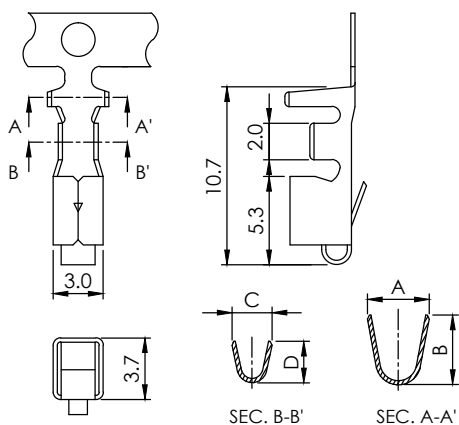
Material

Part	Material / Finish
Housing	Nylon 66 94V-0, white (natural color)

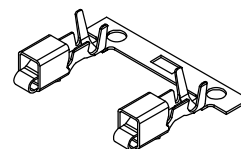
※ Color Identification: the following alphabet shall be added.
 ex. 5000S 10 00 - B
 10... Circuit no. B... Black, E... Blue, R... Red.

Reference

- ◇ Use with 3960S, 5000S, 5080S type-N series Plug Housing



3963T Crimp Terminal



Ordering Information

Part No.	Applicable Wire		Q'ty / Reel
	AWG #	Insulation O.D. mm	
3963T012R	18 - 22	2.7 Max.	3,500
3963T022R	16 - 20	3.0 Max.	3,000

Part No.	A	B	C	D
3963T012R	3.7	4.2	2.4	2.5
3963T022R	4.0	4.8	3.1	3.4

Material: Brass, Tin-plated

5.00 Pitch 5000 SERIES CONNECTOR



5.00 mm Pitch Wire-to-Board Connector



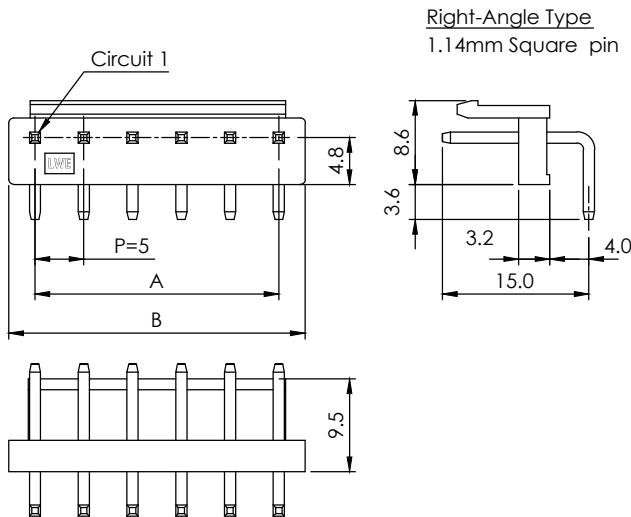
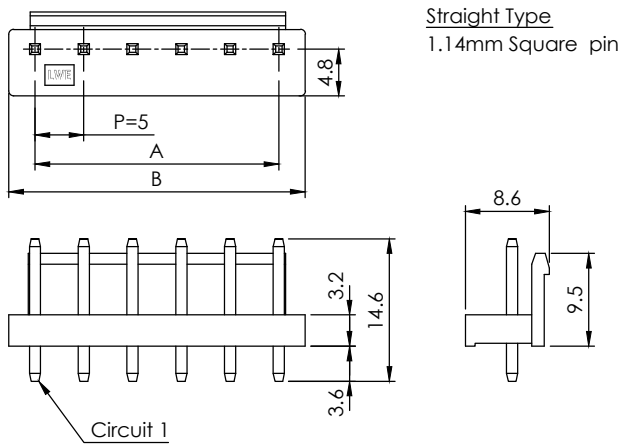
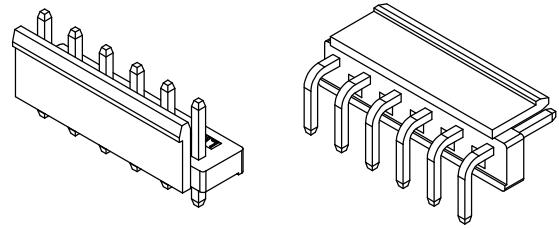
Specifications

- ◇ Current rating: 7A AC/DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 1500V AC/Minute
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Mates with 5000S series Plug Housing
- ◇ Certification: UL

5001P, 5002P DIP Header



Ordering Information

Circuits	Part No.		Dimension	
	Straight	Right Angle	A	B
2	5001P02 00T	5002P02 00T	5.0	10.0
3	5001P03 00T	5002P03 00T	10.0	15.0
4	5001P04 00T	5002P04 00T	15.0	20.0
5	5001P05 00T	5002P05 00T	20.0	25.0
6	5001P06 00T	5002P06 00T	25.0	30.0
7	5001P07 00T	5002P07 00T	30.0	35.0
8	5001P08 00T	5002P08 00T	35.0	40.0
9	5001P09 00T	5002P09 00T	40.0	45.0
10	5001P10 00T	5002P10 00T	45.0	50.0

Material

Part	Material
Base	Nylon 66 94V-0, white (natural color)
Contact	Brass, Tin-plated

※ Color Identification: the following alphabet shall be put,

ex. 5001P 04 00 00 X (Natural color)

ex. 5001P 04 00 00 X - B

ex. 5002P 04 00 00 X - R

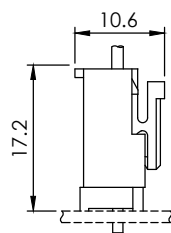
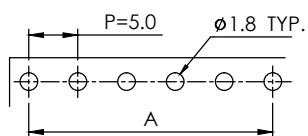
04... Circuit no.

B... Black, E... Blue, R... Red color

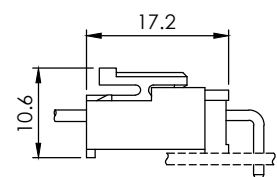
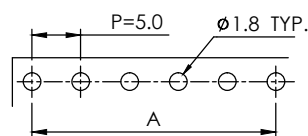
X... Plating Selection: T... Tin, V... Matte Tin

P.C. Board Layout / Assembly Layout

Straight Type



Right-Angle Type



5.08 Pitch 5080 SERIES CONNECTOR



5.08 mm Pitch Wire-to-Board Connector



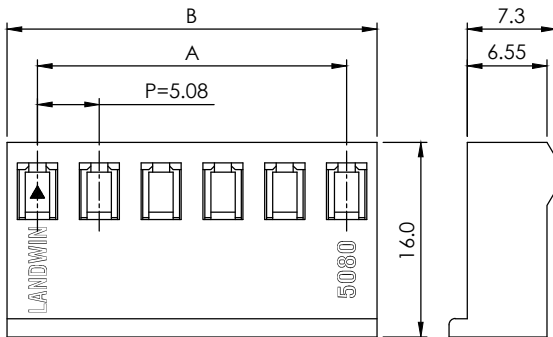
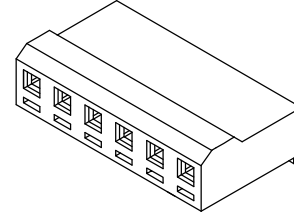
Specifications

- ◇ Current rating: 7A AC/DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 1500V AC/Minute
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Mates with 5081P, 5082P series Type-1 Header
- ◇ Use with 7503T series Crimp Terminal
- ◇ Certification: UL, TUV

5080S Plug Housing (Type - 1)



Ordering Information

PIN Nos	Part No.	Dimension		PIN Nos	Part No.	Dimension	
		A	B			A	B
2	5080S02 12	5.08	10.16	7	5080S07 12	30.48	35.56
3	5080S03 12	10.16	15.24	8	5080S08 12	35.56	40.64
4	5080S04 12	15.24	20.32	9	5080S09 12	40.64	45.72
5	5080S05 12	20.32	25.40	10	5080S10 12	45.72	50.80
6	5080S06 12	25.40	30.48				

Material

Part	Material / Finish
Housing	Nylon 66 94V-2, white (natural color)

※ PART NUMBER ASSIGNMENT:

ex. 5080S 10 1 X* - B

10... Circuit no. B... Black, E... Blue, R... Red,

X*... Material no.: 0... Nylon 66 94V-0, 2... Nylon 66 94V-2

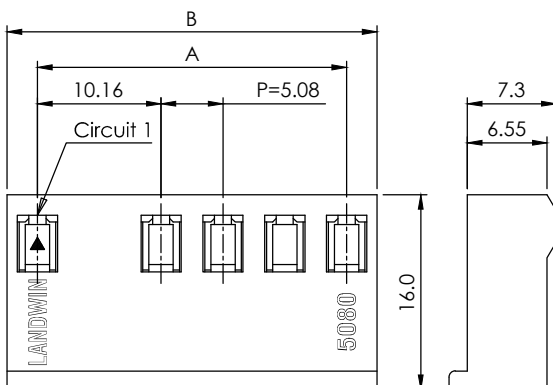
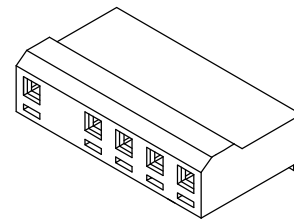
Specifications

- ◇ Current rating: 7A AC/DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 1500V AC/Minute
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Mates with 5081P, 5082P series Type-A Header
- ◇ Use with 7503T series Crimp Terminal
- ◇ Certification: UL, TUV

5080S Plug Housing (Type - A)



Ordering Information

PIN Nos	Part No.	Dimension		PIN Nos	Part No.	Dimension	
		A	B			A	B
2	5080S02 A2	10.16	15.24	7	5080S07 A2	35.56	40.64
3	5080S03 A2	15.24	20.32	8	5080S08 A2	40.64	45.72
4	5080S04 A2	20.32	25.40	9	5080S09 A2	45.72	50.80
5	5080S05 A2	25.40	30.48				
6	5080S06 A2	30.48	35.56				

Material

Part	Material / Finish
Housing	Nylon 66 94V-2, white (natural color)

※ PART NUMBER ASSIGNMENT:

ex. 5080S 10 A X* - B

10... Circuit no. B... Black, E... Blue, R... Red,

X*... Material no.: 0... Nylon 66 94V-0, 2... Nylon 66 94V-2

5.08 Pitch 5080 SERIES CONNECTOR



5.08 mm Pitch Wire-to-Board Connector



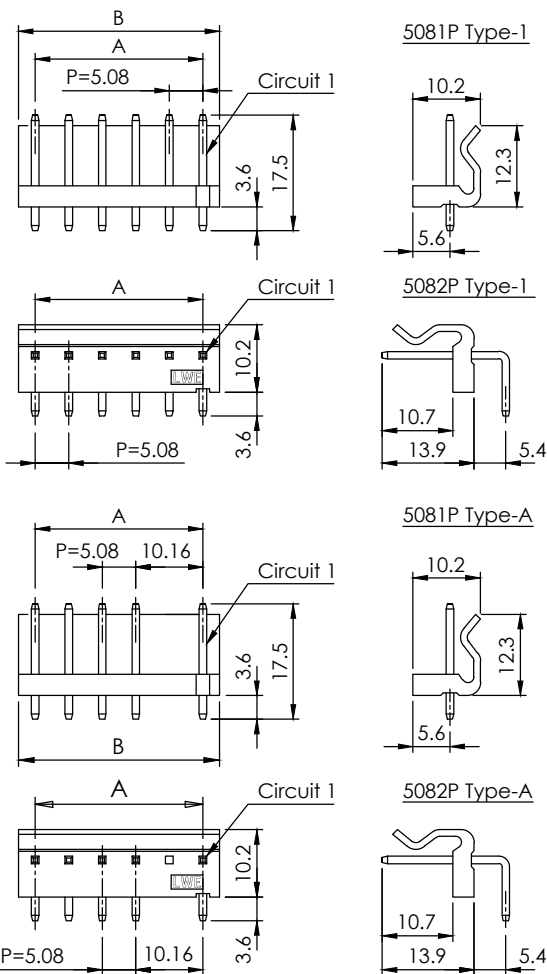
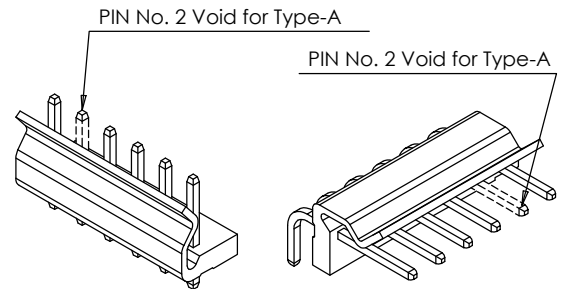
Specifications

- ◇ Current rating: 7A AC/DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 1500V AC/Minute
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Mates with 5080S series and 5080S Type-A Plug Housing
- ◇ Certification: Refer to 5080S series

5081P, 5082P DIP Header (Type - 1)
5081P, 5082P DIP Header (Type - A)



Ordering Information: Type-1 Product

Circuits	Part No.		Dimension	
	Straight Type-1	Right-Angle Type-1	A	B
2	5081P02 12T	5082P02 12T	5.08	9.08
3	5081P03 12T	5082P03 12T	10.16	14.16
4	5081P04 12T	5082P04 12T	15.24	19.24
5	5081P05 12T	5082P05 12T	20.32	24.32
6	5081P06 12T	5082P06 12T	25.40	29.40
7	5081P07 12T	5082P07 12T	30.48	34.48
8	5081P08 12T	5082P08 12T	35.56	39.56
9	5081P09 12T	5082P09 12T	40.64	44.64
10	5081P10 12T	5082P10 12T	45.72	49.72

Ordering Information: TypeA Product

Circuits	Part No.		Dimension	
	Straight Type-A	Right-Angle Type-A	A	B
2	5081P02 A2T	5082P02 A2T	10.16	14.16
3	5081P03 A2T	5082P03 A2T	15.24	19.24
4	5081P04 A2T	5082P04 A2T	20.32	24.32
5	5081P05 A2T	5082P05 A2T	25.40	29.40
6	5081P06 A2T	5082P06 A2T	30.48	34.48
7	5081P07 A2T	5082P07 A2T	35.56	39.56
8	5081P08 A2T	5082P08 A2T	40.64	44.64
9	5081P09 A2T	5082P09 A2T	45.72	49.72

Material

Part	Material
Base	Nylon 66 94V-2, white (natural color)
Contact	Brass, Tin-plated

※ PART NUMBER ASSIGNMENT:

ex. 5081P XX 1 X* X (natural color)

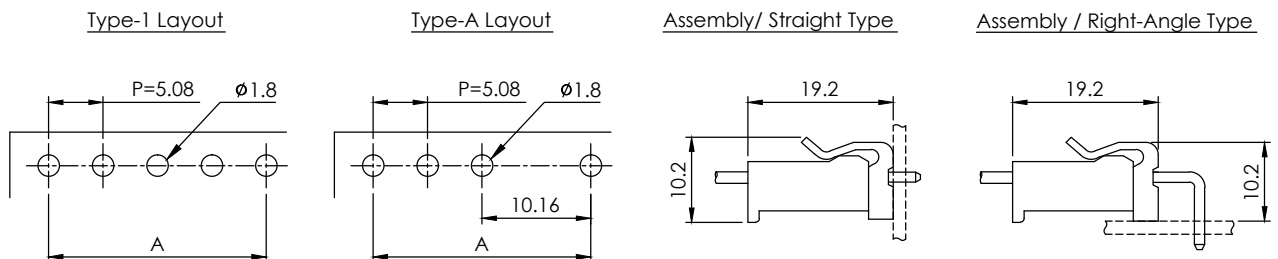
ex. 5082P XX A X* X - R

04... Circuit no. B... Black, E... Blue, R... Red color

X... Plating Selection: T... Tin, V... Matte Tin-plated

X*... Material no.: 0... Nylon 66 94V-0, 2... Nylon 66 94V-2

P.C. Board Layout / Assembly Layout



5.08 Pitch 5080 SERIES CONNECTOR



5.08 mm Pitch Wire-to-Board Connector



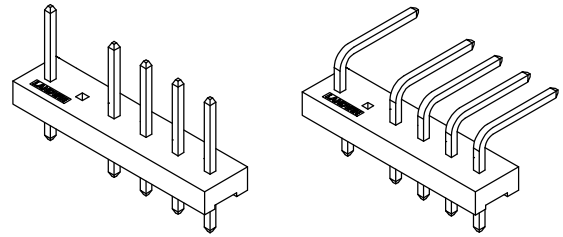
Specifications

- ◇ Current rating: 7A AC/DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 1500V AC/Minute
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

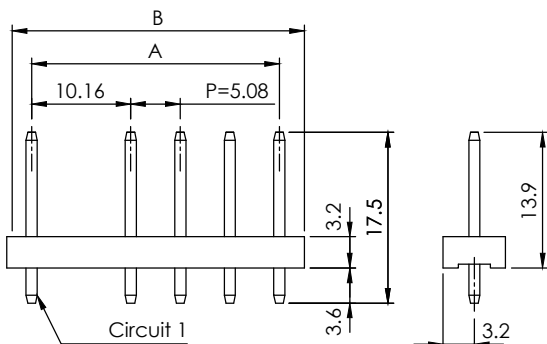
Reference

- ◇ Mates with 5080S Series Type-A Plug Housing
- ◇ Certification: Refer to 5080S Series

5081P, 5082P DIP Header (Type-A1)



Straight Type
1.14mm Square pin



Ordering Information

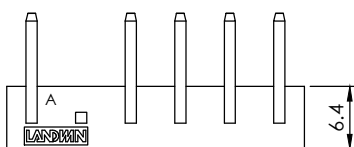
Circuits	Part No.		Dimension	
	Straight Type-A1	Right-Angle Type-A1	A	B
2	5081P02 A2T-1	5082P02 A2T-1	10.16	15.24
3	5081P03 A2T-1	5082P03 A2T-1	15.24	20.32
4	5081P04 A2T-1	5082P04 A2T-1	20.32	25.40
5	5081P05 A2T-1	5082P05 A2T-1	25.40	30.48
6	5081P06 A2T-1	5082P06 A2T-1	30.48	35.56
7	5081P07 A2T-1	5082P07 A2T-1	35.56	40.64
8	5081P08 A2T-1	5082P08 A2T-1	40.64	45.72
9	5081P09 A2T-1	5082P09 A2T-1	45.72	50.80

Material

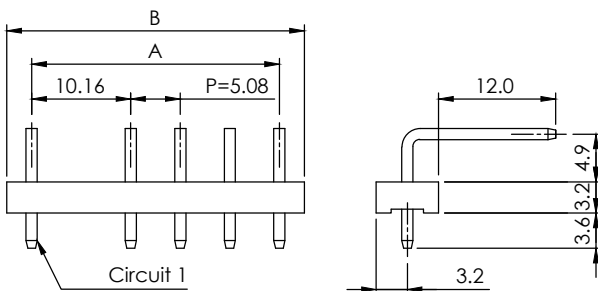
Part	Material
Base	Nylon 66 94V-2, white (natural color)
Contact	Brass, Tin-plated

※ PART NUMBER ASSIGNMENT:

- ex. 5081P 04 A X* X - 1 (Straight Type-A1)
- ex. 5081P 04 A X* X - B 1
- ex. 5082P 04 A X* X - R 1
- 04... Circuit no. B... Black, E... Blue, R... Red color
- X... Plating Selection: T... Tin, V... Matte Tin-plated
- X*... Material no.: 0... Nylon 66 94V-0, 2... Nylon 66 94V-2

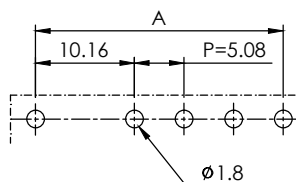


Right-Angle Type
1.14mm Square pin

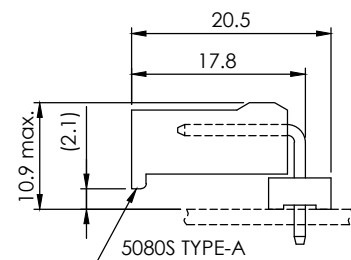
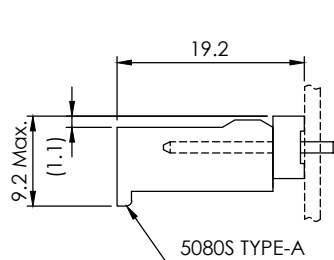


P.C. Board Layout / Assembly Layout

Straight Type



Right-Angle Type



5.08 Pitch 5080 SERIES CONNECTOR



5.08 mm Pitch Wire-to-Board Connector



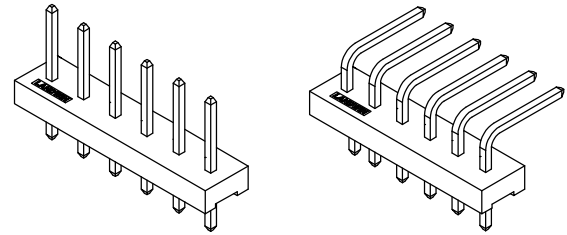
Specifications

- ◇ Current rating: 7A AC/DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 1500V AC/Minute
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

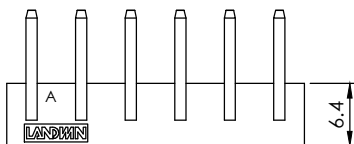
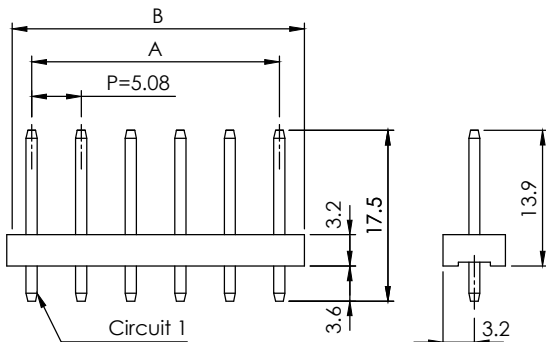
Reference

- ◇ Mates with 5080S series Plug Housing
- ◇ Certification: Refer to 5080S series

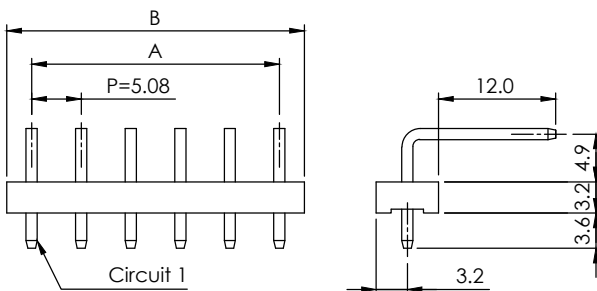
5081P, 5082P PIN Header (Type - 11)



Straight Type
1.14mm Square pin



Right-Angle Type
1.14mm Square pin



Ordering Information

Circuits	Part No.		Dimension	
	Straight	Right-Angle	A	B
2	5081P02 12T-1	5082P02 12T-1	5.08	10.16
3	5081P03 12T-1	5082P03 12T-1	10.16	15.24
4	5081P04 12T-1	5082P04 12T-1	15.24	20.32
5	5081P05 12T-1	5082P05 12T-1	20.32	25.40
6	5081P06 12T-1	5082P06 12T-1	25.40	30.48
7	5081P07 12T-1	5082P07 12T-1	30.48	35.56
8	5081P08 12T-1	5082P08 12T-1	35.56	40.64
9	5081P09 12T-1	5082P09 12T-1	40.64	45.72
10	5081P10 12T-1	5082P10 12T-1	45.72	50.80

Material

Part	Material
Base	Nylon 66 94V-2, white (natural color)
Contact	Brass, Tin-plated

※ PART NUMBER ASSIGNMENT:

ex. 5081P 04 1 X* X - 1 (Straight Type)

ex. 5081P 04 1 X* X - B 1

ex. 5082P 04 1 X* X - R 1

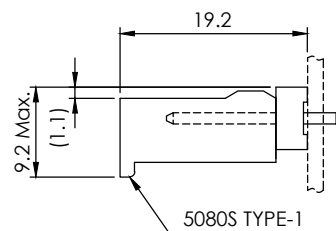
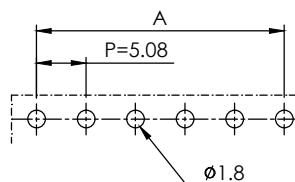
04... Circuit no. B... Black, E... Blue, R... Red color

X... Plating Selection: T... Tin, V... Matte Tin-plated

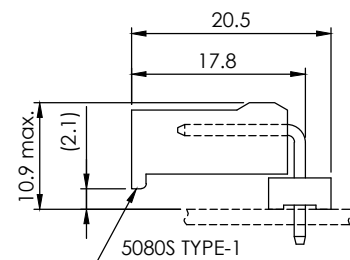
X*... Material no.: 0... Nylon 66 94V-0, 2... Nylon 66 94V-2

P.C. Board Layout / Assembly Layout

Straight Type



Right-Angle Type



5.08 Pitch 5200 SERIES CONNECTOR



5.08 mm Pitch Wire-to-Board, Wire-to-Wire Connector



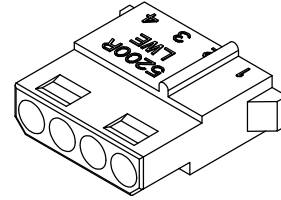
Specifications

- ◇ Current rating: 8A AC/DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 1500V AC/Minute
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Insulation Resistance: 500 MΩ Min.
- ◇ Temperature Range: -55° C to 105° C

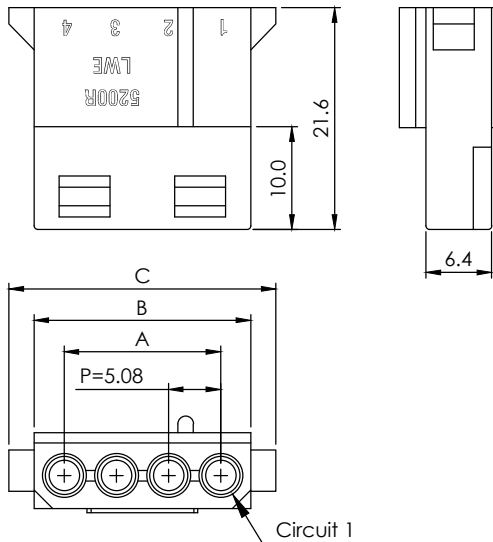
Reference

- ◇ Mates with 5201P, 5202P series Header
- ◇ Mates with 5200P series Receptacle housing
- ◇ Use with 5203T series Crimp Terminal
- ◇ Certification: UL

5200R Plug Housing



5200R HOUSING (FEMALE)



Ordering Information

Circuits	Part No.		Dimension		
	UL 94V-0	UL 94V-2	A	B	C
2	AQ5200R0230	AQ5200R0232	5.08	10.94	15.84
3	AQ5200R0330	AQ5200R0332	10.16	16.02	20.92
4	AQ5200R0430	AQ5200R0432	15.24	21.10	26.00

Material

Part	Material / Finish
Housing	Nylon 66 94V-0, white (natural color), or Nylon 66 94V-2, white (natural color)

※ Color Identification: the following alphabet shall be put;

ex. 5200R 04 3 X* - B

ex. 5200R 04 3 X* - R

04... Circuit no.

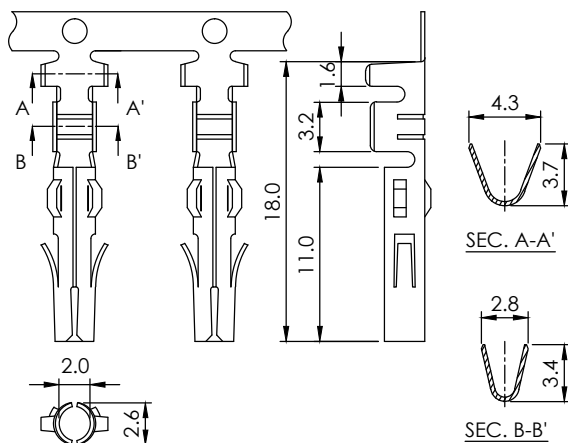
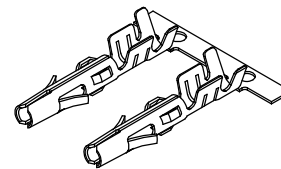
B... Black, E... Blue, R... Red color

X*... Material no.: 0... Nylon 66 94V-0, 2... Nylon 66 94V-2

Reference

- ◇ Use with 5200R series Plug Housing

5203T Crimp Terminal



Ordering Information

Part No.	Applicable Wire		Q'ty / Reel
	AWG #	Insulation O.D. mm	
5203T031R	16 - 20	3.8 Max.	6,000

Material:

Phosphor bronze, Tin-Plated

5.08 Pitch 5200 SERIES CONNECTOR



5.08 mm Pitch Wire-to-Board, Wire-to-Wire Connector



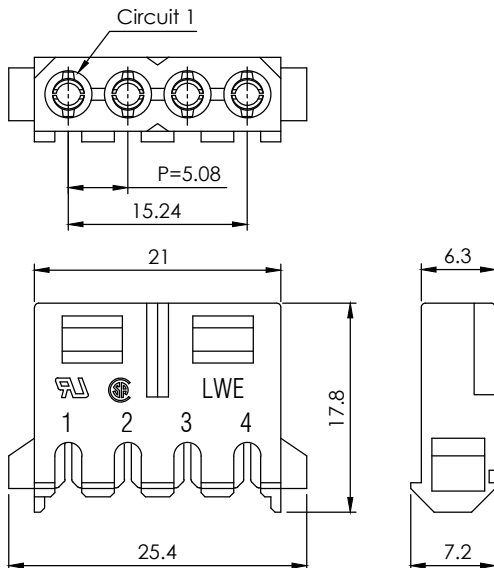
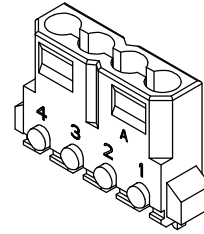
Specifications

- ◇ Current rating: 8A AC/DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 1500V AC/Minute
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Insulation Resistance: 500 MΩ Min.
- ◇ Temperature Range: -55° C to 105° C

Reference

- ◇ Mates with 5201P, 5202P series Header
- ◇ Mates with 5200P series Receptacle housing
- ◇ Certification: Refer to 5200R Series

5211R IDC Plug Housing



Ordering Information

Circuits	Part No.		Color	Wire Gauge
	UL 94V-0	UL 94V-2		
4	CQ5211R0410T	CQ5211R0412T	Red	AWG 22
4	CQ5211R0420T	CQ5211R0422T	Yellow	AWG 20
4	CQ5211R0430T	CQ5211R0432T	Orange	AWG 18
4	CQ5211R0440T	CQ5211R0442T	Blue	AWG 16
4	CQ5211R0450T	CQ5211R0452T	Natural	AWG 18
4	CQ5211R0460T	CQ5211R0462T	Natural	AWG 16
4	CQ5211R0470T	CQ5211R0472T	Black	AWG 22

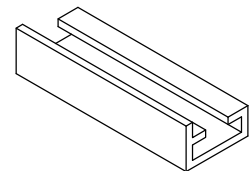
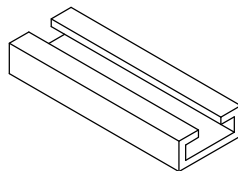
Material

Part	Material
Base	Nylon 66 94V-0, or Nylon 66 94V-2,
Contact	Brass, Tin-plated

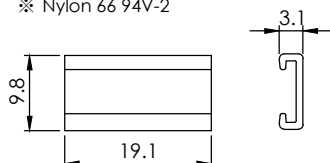
Reference

- ◇ Use with 5211R IDC series Plug Housing

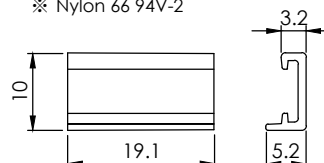
5211R Dust Cover



- P/N: 5211R0482
 ※ Feed-Through Cover
 ※ Nylon 66 94V-2



- P/N: 5211R0492
 ※ Feed-To Cover
 ※ Nylon 66 94V-2



5.08 Pitch 5200 SERIES CONNECTOR



5.08 mm Pitch Wire-to-Wire Connector



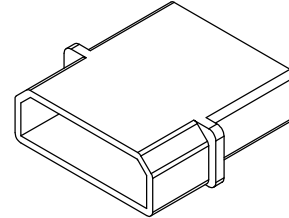
Specifications

- ◇ Current rating: 8A AC/DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 1500V AC/Minute
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Insulation Resistance: 500 MΩ Min.
- ◇ Temperature Range: -55° C to 105° C

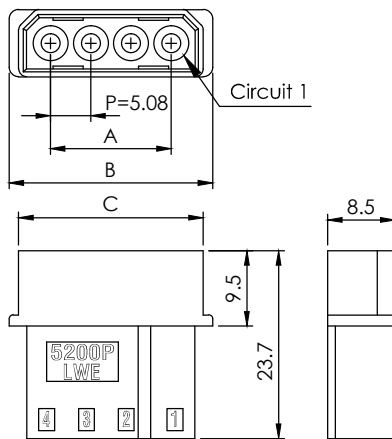
Reference

- ◇ Mates with 5200R, 5211R series Plug housing
- ◇ Use with 5213T series Crimp Terminal
- ◇ Certification: Refer to 5200R Series

5200P Receptacle Housing



5200P HOUSING (MALE)



Ordering Information

Circuits	Part No.	Dimension		
		A	B	C
2	5200P02 02	5.08	15.55	13.06
3	5200P03 02	10.16	20.63	18.14
4	5200P04 02	15.24	25.71	23.22

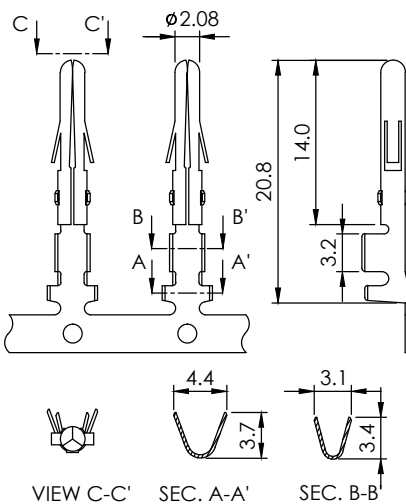
Material

Part	Material / Finish
Housing	Nylon 66 94V-2, white (natural color)

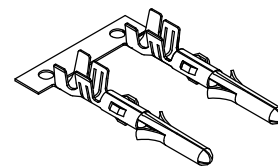
※ Color Identification: the following alphabet shall be put,
 ex. 5200P 04 0 2 (Natural color)
 ex. 5200P 04 0 2 - B
 04... Circuit no. B... Black, E... Blue, R... Red color

Reference

- ◇ Use with 5200P series Receptacle Housing



5213T Crimp Terminal



Ordering Information

Part No.	Applicable Wire		Q'ty / Reel
	AWG #	Insulation O.D. mm	
5213T012R	16 - 20	3.8 Max.	6,000

Material:

Brass, Tin-Plated

5.08 Pitch 5200 SERIES CONNECTOR



5.08 mm Pitch Wire-to-Board Connector



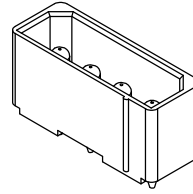
Specifications

- ◇ Current rating: 8A AC/DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 1500V AC/Minute
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Insulation Resistance: 500 MΩ Min.
- ◇ Temperature Range: -55° C to 105° C

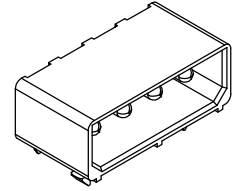
Reference

- ◇ Mates with 5200R, 5211R series Plug housing
- ◇ Certification: Refer to 5200R series

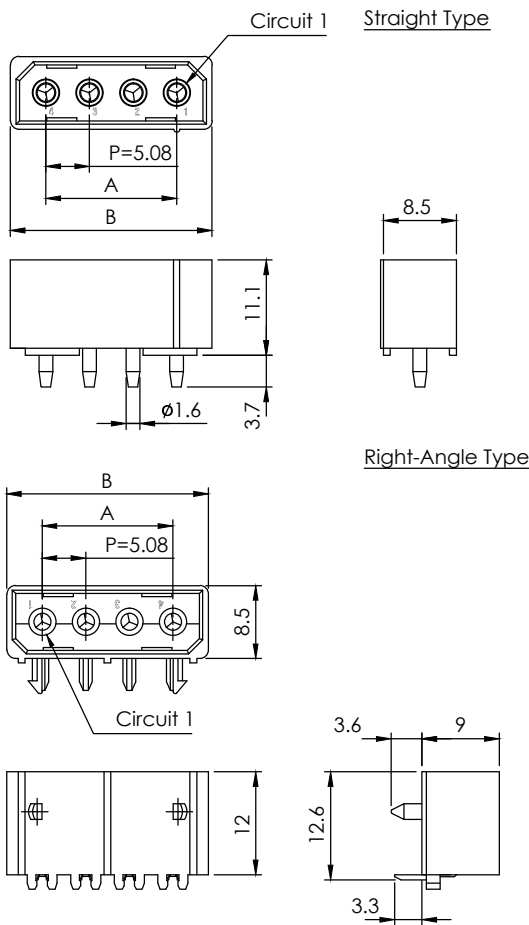
5201P, 5202P DIP Housing



5201P Header



5202P Header



Ordering Information

Circuits	Part No.		Dimension	
	UL 94V-0	UL 94V-2	A	B
2	CQ5201P0200T	CQ5201P0202T	5.08	13.3
3	CQ5201P0300T	CQ5201P0302T	10.16	18.3
4	CQ5201P0400T	CQ5201P0402T	15.24	23.5

Circuits	Part No.		Dimension		
	UL 94V-0	UL 94V-2	A	B	C
2	CQ5202P0200T	CQ5202P0202T	5.08	13.3	5.4
3	CQ5202P0300T	CQ5202P0302T	10.16	18.3	10.5
4	CQ5202P0400T	CQ5202P0402T	15.24	23.5	15.5

Material

Part	Material
Base	Nylon 66 94V-0, white (natural color), or Nylon 66 94V-2, white (natural color)
Contact	Brass, Tin-plated

※ Color Identification: the following alphabet shall be put,

ex. 5201P 04 0 X* X (Natural color)

ex. 5202P 04 0 X* X - B

04... Circuit no.

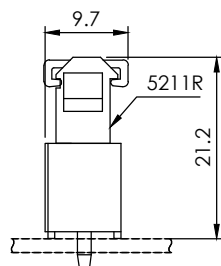
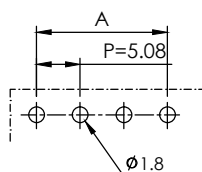
B... Black, E... Blue, R... Red color

X... Plating Selection: T... Tin-plated

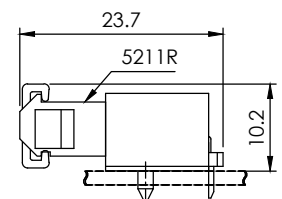
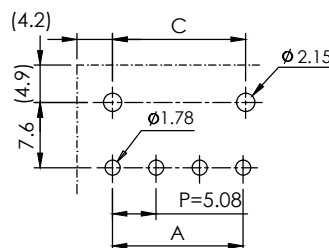
X*... Material no.: 0... Nylon 66 94V-0, 2... Nylon 66 94V-2

P.C. Board Layout / Assembly Layout

Straight Type



Right Angle



7.5 - 5.0 Pitch 7500 SERIES CONNECTOR



7.5 - 5.0 mm Pitch Wire-to-Board Connector



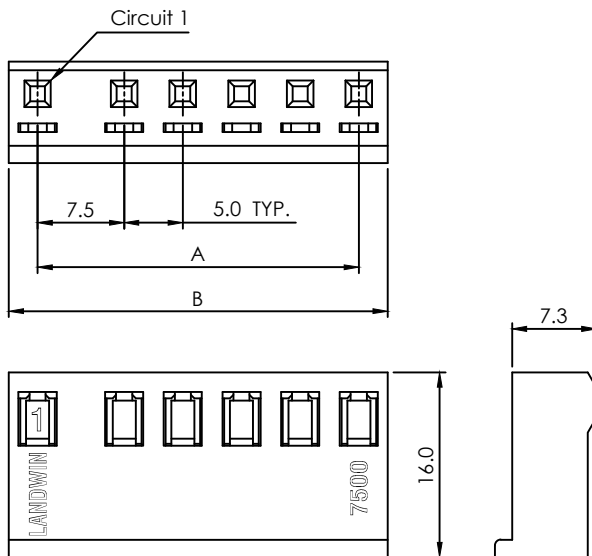
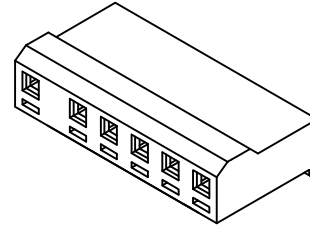
Specifications

- ◇ Current rating: 7A AC/DC Max. (AWG 18)
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 1500V AC/Minute
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Mates with 7501P, 7502P series Header
- ◇ Use with 7503T series Crimp Terminal
- ◇ Certification: UL

7500S Plug Housing



Ordering Information

Circuits	Part No.		Dimension	
	Housing		A	B
2	7500S02 10		7.5	12.5
3	7500S03 10		12.5	17.5
4	7500S04 10		17.5	22.5
5	7500S05 10		22.5	27.5
6	7500S06 10		27.5	32.5

Material

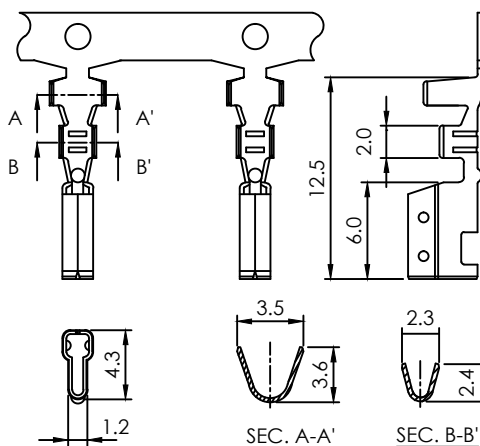
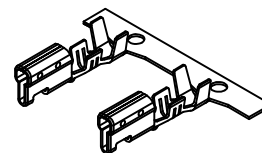
Part	Material / Finish
Housing	Nylon 66 94V-0, white (natural color)

※ Color Identification: the following alphabet shall be put,
 ex. 7500S 04 1 X* (Natural color)
 ex. 7500S 04 1 X* - B
 04... Circuit no., B... Black, S... Natural, R... Red color
 X*... Material no.: 0... Nylon 66 94V-0, 2... Nylon 66 94V-2

Reference

- ◇ Use with 3060S Type-A and Type-2 series Plug Housing
- ◇ Use with 5080S Type-1, Type-A series and 7500S series Plug Housing

7503T Crimp Terminal



Ordering Information

Part No.	Applicable Wire		Q'ty / Reel
	AWG #	Insulation O.D. mm	
7503T012R	18 - 24	3.2 Max.	4,000

Material:

Brass, Tin-Plated

7.5 - 5.0 Pitch 7500 SERIES CONNECTOR



7.5 - 5.0 mm Pitch Wire-to-Board Connector



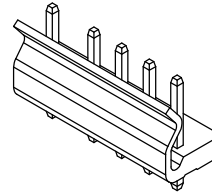
Specifications

- ◇ Current rating: 7A AC/DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 1500V AC/Minute
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

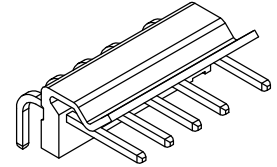
Reference

- ◇ Mates with 7500S series Plug Housing
- ◇ Certification: Refer to 7500S series

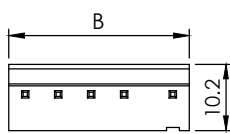
7501P, 7502P DIP Header



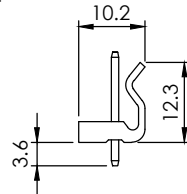
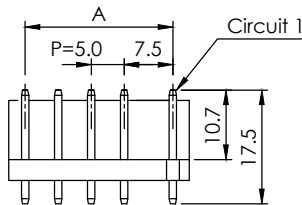
7501P (DIP)



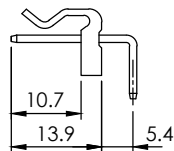
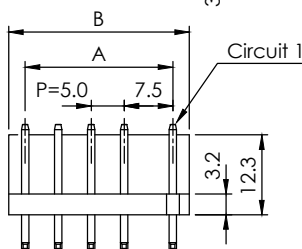
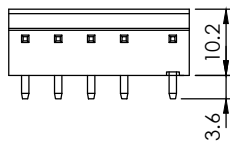
7502P (DIP)



Straight-Type
1.14mm Square Pin



Right-angle Type
1.14mm Square Pin



Ordering Information

Circuits	Part No.		Dimension	
	Straight	Right Angle	A	B
2	7501P02 10T	7502P02 10T	7.5	11.5
3	7501P03 10T	7502P03 10T	12.5	16.5
4	7501P04 10T	7502P04 10T	17.5	21.5
5	7501P05 10T	7502P05 10T	22.5	26.5
6	7501P06 10T	7502P06 10T	27.5	31.5

Material

Part	Material
Base	Nylon 66 94V-0, white (natural color)
Contact	Brass, Tin-plated

※ Color Identification: the following alphabet shall be put;

ex. 7501P 04 1 X* X (Natural color)

ex. 7501P 04 1 X* X - B

ex. 7502P 04 1 X* X - R

04... Circuit no. B... Black, E... Blue, R... Red color

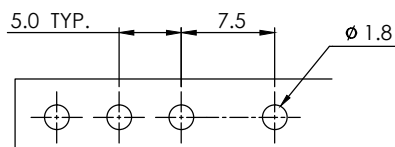
X*... Plastics Material no.: 0... Nylon 66 94V-0,

2... Nylon 66 94V-0,

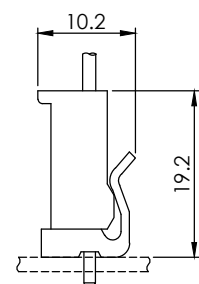
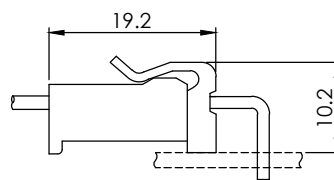
X... Plating Selection: T... Tin, V... Matte Tin-plated

P.C. Board Layout / Assembly Layout

Right-angle Type



Straight Type



8.0 Pitch 1085 SERIES CONNECTOR



8.0 mm Pitch Wire-to-Board Connector

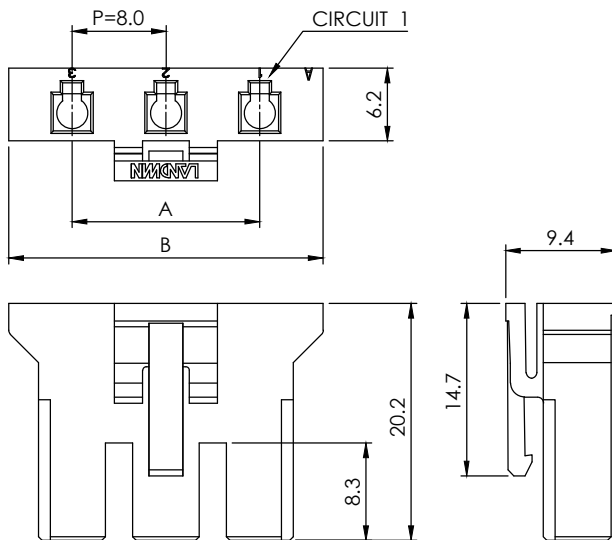


Specifications

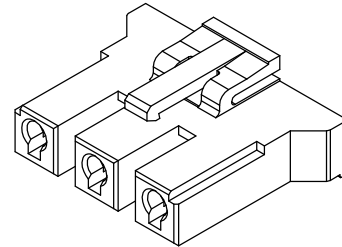
- ◇ Current rating: 5A AC/DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 1500V AC/Minute
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Mates with 1086P series Type-1 Header
- ◇ Use with 1083T Type-1 series Crimp Terminal
- ◇ Certification: UL
- ◇ GWT 850° C rated product is available



1085S Plug Housing (Type-1)



Ordering Information

Circuits	Part No.	Dimension	
		A	B
2	1085S02 13-S	8.0	13.7
3	1085S03 13-S	16.0	21.7

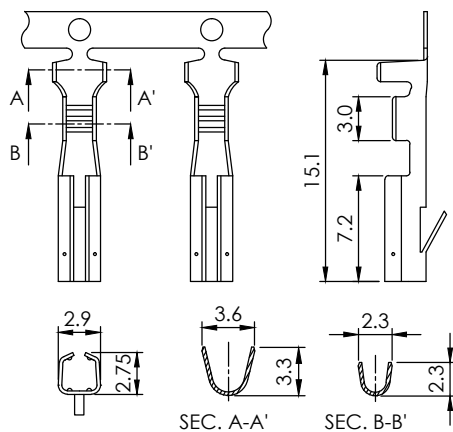
Material

Part	Material / Finish
Housing	Glass-filled Nylon 66 94V-0, Light ivory color

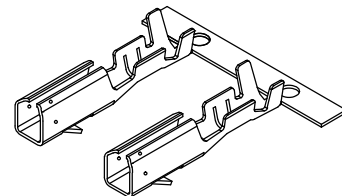
- ※ Color Identification: the following alphabet shall be put,
 ex. 1085S 04 1 3 - S
 ex. 1085S 04 1 3 - B
 04... Circuit no.
 Color no. : S... light ivory (base color), P... Pink, H... Gray,
 D... Orange, B... Black color

Reference

- ◇ Use with 1085S type-1 series Plug Housing



1083T Crimp Terminal (Type-1)



Ordering Information

Part No.	Applicable Wire		Q'ty / Reel
	AWG #	Insulation O.D. mm	
1083T012R-1	18 - 24	2.8 Max.	5,000
1083T011R-1	18 - 24	2.8 Max.	5,000

Material:

1083T012R-1	Brass, Tin-plated
1083T011R-1	Phosphor bronze, Tin-plated

8.0 Pitch 1085 SERIES CONNECTOR



8.0 mm Pitch Wire-to-Board Connector



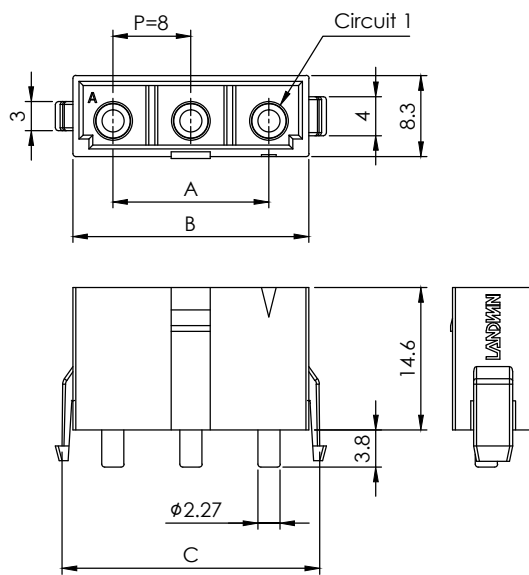
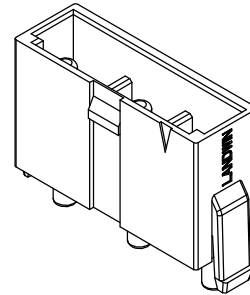
Specifications

- ◇ Current rating: 5A AC/DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 1500V AC/Minute
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Mates with 1085S type-1 series Plug Housing
- ◇ Certification: UL
- ◇ GWT 850° C rated product is available

1086P Straight Header (Type-1)



Ordering Information

Circuits	Part No.	Dimension		
		A	B	C
2	1086P02 13T-S	8.0	16.2	18.4
3	1086P03 13T-S	16.0	24.2	26.4

Material

Part	Material
Base	Glass-filled Nylon 66 94V-0, Light ivory color
Contact	Brass, Tin-plated

※ Color Identification: the following alphabet shall be put,

ex. 1086P 04 1 3 X - S

ex. 1086P 04 1 3 X - B

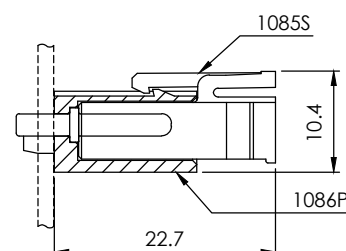
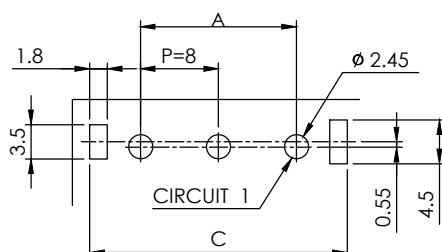
Circuit no. : 04... 4 Pins

Color no. : S... light ivory (base color), P... Pink, H... Gray,

D... Orange color, B... Black color

X : Plating Selection, T... Tin-plated

P.C. Board Layout / Assembly Layout



Automotive 66201 Series (110 Series)



5.0 mm Pitch Wire-to-Wire Connector



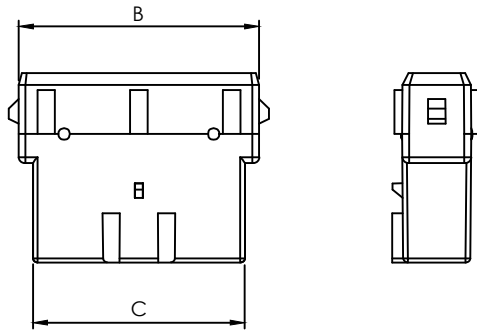
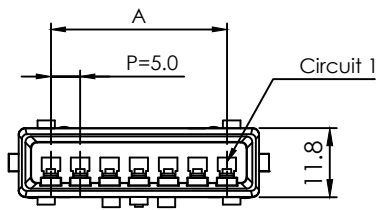
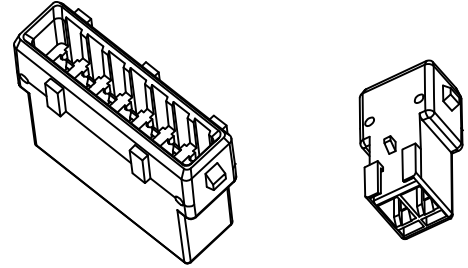
Specifications

- ◇ Current rating: 15A DC Max. (2 Ports with 2.5 mm² (AWG 13))
Current rating: 8A DC Max. (2 Ports with 1.0 mm² (AWG 17))
- ◇ Voltage Range: 24V DC
- ◇ Withstand Voltage: 1000V AC/Minute
- ◇ Contact Resistance: 6 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 125° C

Reference

- ◇ Mates with 66202S series Receptacle Housing
- ◇ Use with 66201T series Pin-contact Crimp Terminal
- ◇ Applicable wire gauge: 0.5 mm - 2.5 mm (AWG 20 - 13)

66201S Plug Housing

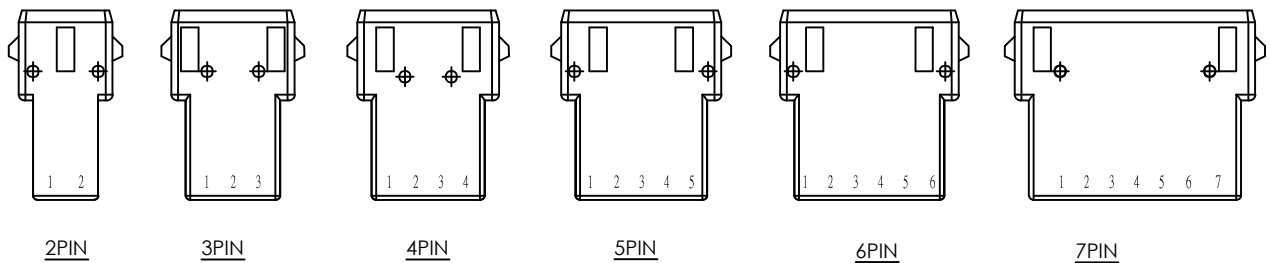


Ordering Information

PIN No.	Part No.	Dimension		
		A	B	C
2	66201S0203	5.0	16.6	12.3
3	66201S0303	10.0	21.6	16.3
4	66201S0403	15.0	26.6	21.3
5	66201S0503	20.0	31.6	26.3
6	66201S0603	25.0	36.6	31.3
7	66201S0703	30.0	41.3	36.3

Material

Part	Material / Finish
Housing	Glass-filled PBT 94V-0, Black color



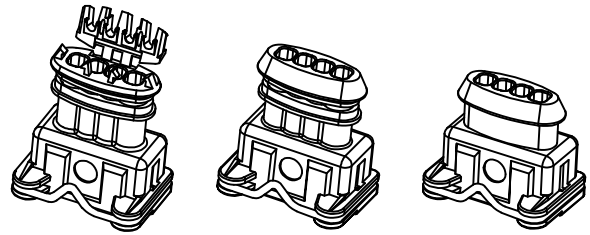
Specifications

- ◇ Current rating: 15A DC Max. (2 Ports with 2.5 mm² (AWG 13))
Current rating: 8A DC Max. (2 Ports with 1.0 mm² (AWG 17))
- ◇ Voltage Range: 24V DC
- ◇ Withstand Voltage: 1000V AC/Minute
- ◇ Contact Resistance: 6 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 125° C

Reference

- ◇ Mates with 66201S series Plug Housing
- ◇ Use with 66202T series crimp terminal
- ◇ Applicable wire gauge: 0.5 mm² - 2.5 mm² (AWG 20 - 13)

66202S Receptacle Housing



Normal Type

Type-1

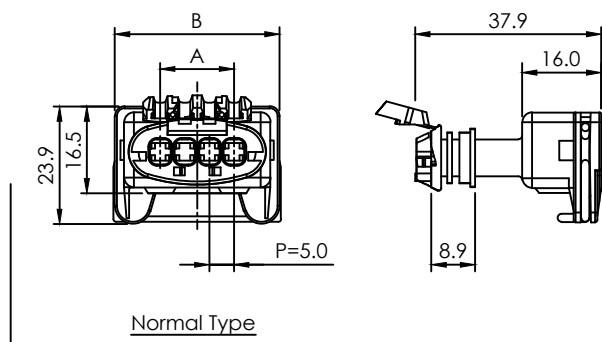
Type-2

Ordering Information

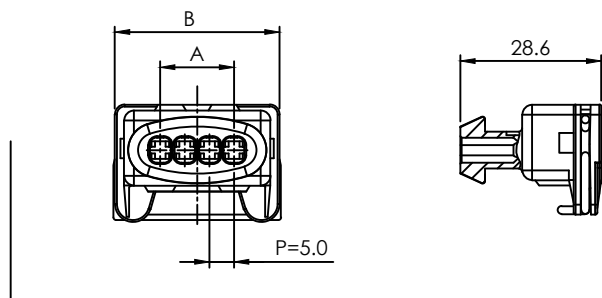
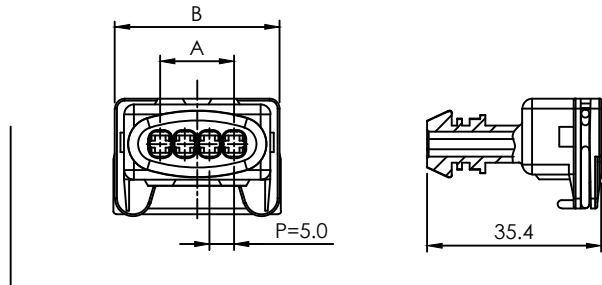
PIN No.	Part No.	Dimension	
		A	B
2	66202S0203	5.0	23.6
3	66202S0303	10.0	28.5
4	66202S0403	15.0	33.5
5	66202S0503	20.0	38.5
6	66202S0603	25.0	43.5
7	66202S0703	30.0	48.5

Material

Part	Material
Housing	Nylon66 94V-0, Black color
Clip	Stainless Steel



Normal Type



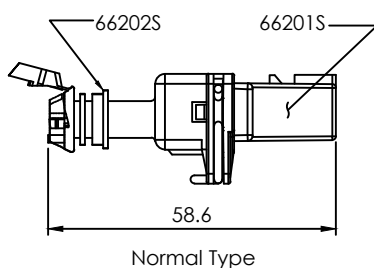
Ordering Information

PIN No.	Part No.		Dimension	
	W/O Cover Type 2	Low Profile Type 3	A	B
2	66202S0213	66202S0223	5.0	23.5
3	66202S0313	66202S0323	10.0	28.5
4	66202S0413	66202S0423	15.0	33.5
5	66202S0513	66202S0523	20.0	38.5
6	66202S0613	66202S0623	25.0	43.5
7	66202S0713	66202S0723	30.0	48.5

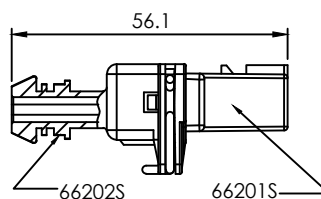
Material

Part	Material
Housing	Glass-filled PBT 94V-0, Black color
Clip	Stainless Steel

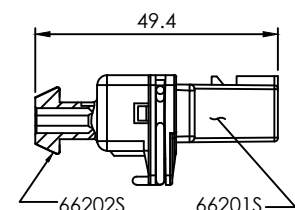
Assembly Layout



Normal Type



Type 2



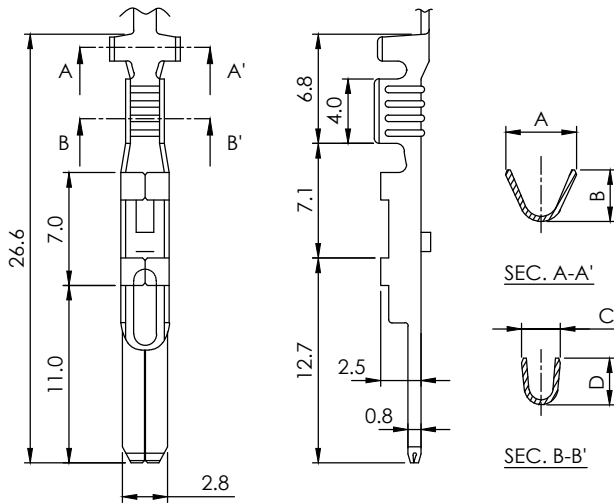
Type 3

Specifications

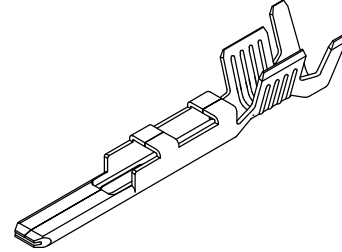
- ◇ Current rating: 15A DC Max.(2 Ports with 2.5 mm² (AWG 13))
Current rating: 8A DC Max.(2 Ports with 1.0 mm² (AWG 17))
- ◇ Voltage Range: 24V DC
- ◇ Contact Resistance: 6 mΩ Max. before environment test
- ◇ Temperature Range: -40° C to 125° C

Reference

- ◇ Use with 66201S series Plug Housing
- ◇ Mates with 66202T series crimp terminal
- ◇ Applicable wire gauge: 0.5 mm² - 2.5 mm² (AWG 20 - 13)



66201T Pin-contact Crimp Terminal



Ordering Information

Part No.	Applicable Wire		Q'ty / Reel
	Wire Size Range mm ² (AWG)	Insulation O.D. mm	
66201T012R	0.5 - 1.0 (20 - 17)	2.2 Max.	10,000
66201T022R	1.0 - 2.5 (17 - 13)	3.3 Max.	10,000

Material

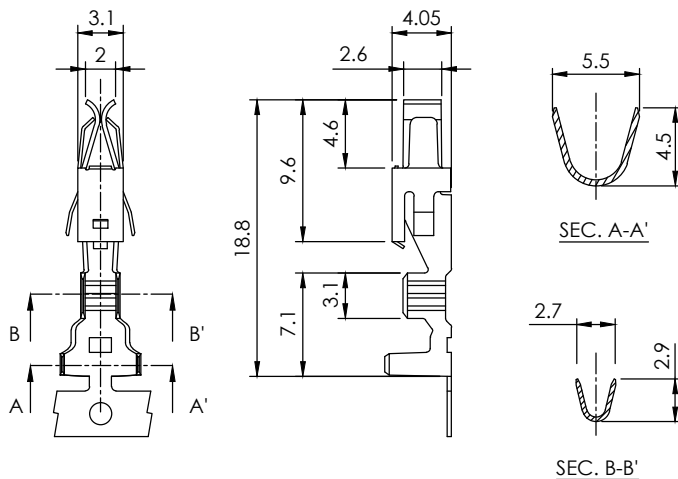
Part No.	Material	A	B	C	D
66201T012R	Brass	4.4	3.2	2.4	2.9
66201T022R	Tin-Plated	6.0	5.4	4.1	4.4

Specifications

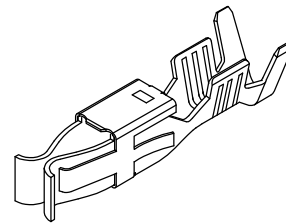
- ◇ Current rating: 15A DC Max.(2 Ports with 2.5 mm² (AWG 13))
Current rating: 8A DC Max.(2 Ports with 1.0 mm² (AWG 17))
- ◇ Voltage Range: 24V DC
- ◇ Contact Resistance: 6 mΩ Max. before environment test
- ◇ Temperature Range: -40° C to 125° C

Reference

- ◇ Use with 66202S series Receptacle Housing
- ◇ Mates with 66201T series crimp terminal
- ◇ Applicable wire gauge: 0.5 mm² - 1.0 mm² (AWG 20 - 17)



66202T Crimp Terminal



Ordering Information

Part No.	Applicable Wire		Q'ty / Reel
	Wire Size Range mm ² (AWG)	Insulation O.D. mm	
66202T121R	0.5 - 1.0 (20 - 17)	2.2 Max.	2,500
N/A	1.0 - 2.5 (17 - 13)	3.3 Max.	2,500

Material

Part No.	Material
66202T121R	Body: Phosphor Bronze, Tin-Plated Cover: Stainless

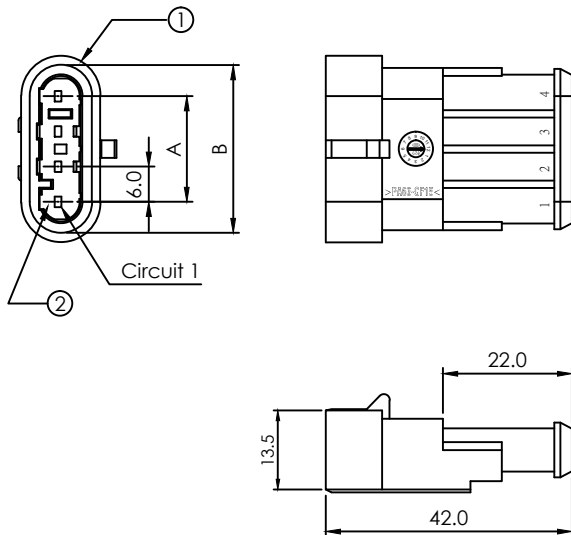
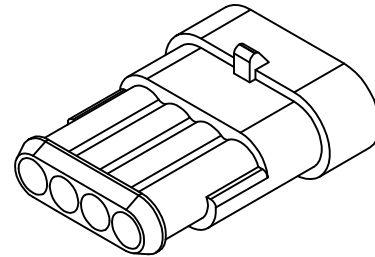
Specifications

- ◇ Current rating: 14A DC Max. (2 Ports with 1.5 mm² (AWG 15))
- ◇ Voltage Range: 24V DC
- ◇ Withstand Voltage: 1500V AC/Minute
- ◇ Contact Resistance: 3 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 125° C

Reference

- ◇ Mates with 66502S series Receptacle Housing
- ◇ Use with 66501T series Pin-contact Crimp Terminal
- ◇ Use with 66502VA series Cable Seal
- ◇ Applicable wire gauge: 0.5 mm² - 1.5 mm² (AWG 20 - 15)

66501S Plug Housing

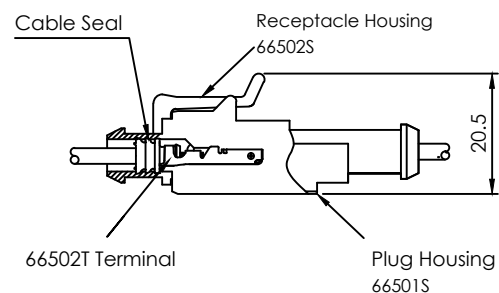
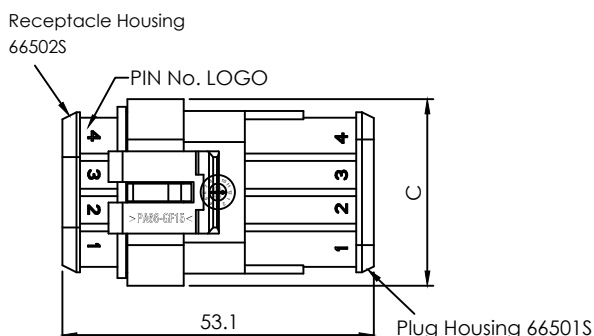


Ordering Information

PIN No.	Part No.	Dimension		
		A	B	C
1	66501S0131		10.80	13.3
2	66501S0231	6.0	17.05	19.8
3	66501S0331	12.0	23.05	25.8
4	66501S0431	18.0	29.10	31.85
5	66501S0531	24.0	35.10	37.85
6	66501S0631	30.0	41.10	43.85

Material

Part	Material
(1) Housing	Glass-filled Nylon 66 94V-0, Black color
(2) Cover Cap	Glass-filled Nylon 66 94V-0, Brick red color

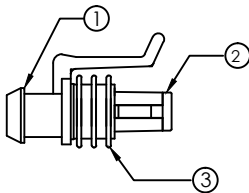
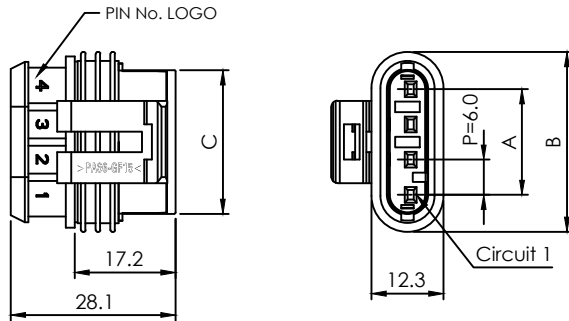


Specifications

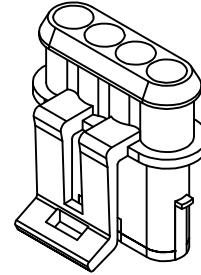
- ◇ Current rating: 14A DC Max. (2 Ports with 1.5 mm² (AWG 15))
- ◇ Voltage Range: 24V DC
- ◇ Withstand Voltage: 1500V AC/Minute
- ◇ Contact Resistance: 3 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 125° C

Reference

- ◇ Mates with 66501S series Plug Housing
- ◇ Use with 66502T series crimp terminal
- ◇ Use with 66502VA series Cable Seal
- ◇ Applicable wire gauge: 0.5 mm² - 1.5 mm² (AWG 20 - 15)



66502S Receptacle Housing



Ordering Information

PIN No.	Part No.	Dimension		
		A	B	C
1	66502S0131		11.1	5.6
2	66502S0231	6.0	18.4	12.5
3	66502S0331	12.0	24.3	18.5
4	66502S0431	18.0	29.7	24.5
5	66502S0531	24.0	36.0	30.5
6	66502S0631	30.0	42.5	36.5

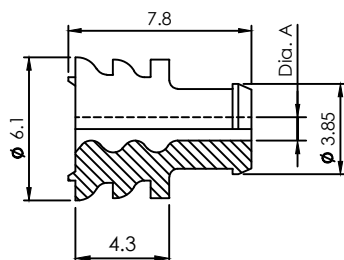
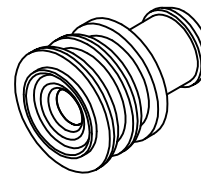
Material

Part	Material
(1) Housing	Glass-filled Nylon 66 94V-0, Black color
(2) Cover Cap	Glass-filled Nylon 66 94V-0, Brick red color
(3) Socket Seal	Silicone Rubber, Yellow color

Reference

- ◇ Use with 66501S or 66502S series Housing
- ◇ Use with 66501T or 66502T series Crimp terminal

66502VA Cable Seal



Ordering Information

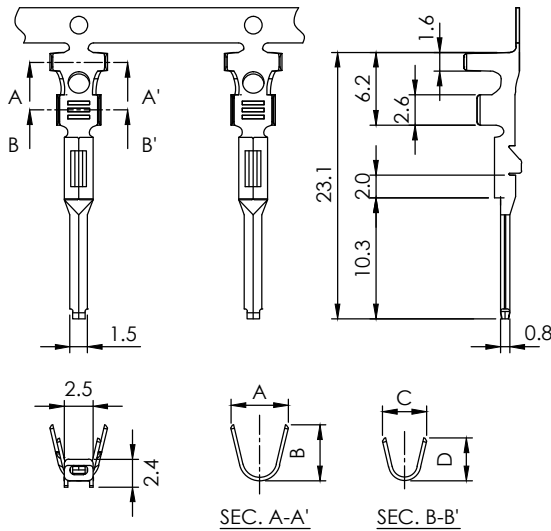
Part No.	Dimension		
	A	Insulation O.D. mm	Wire Size Range mm ² (AWG)
66502VA043			Blind Plug
66502VA143	1.1	1.2 - 1.6	1.3 - 2.1 mm ² (AWG 16 - 14)
66502VA243	1.4	1.7 - 2.4	2.6 - 4.1 mm ² (AWG 13 - 11)
66502VA343	1.8	2.5 - 3.3	5.2 - 8.3 mm ² (AWG 10 - 8)

Specifications

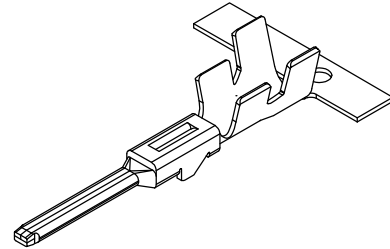
- ◇ Current rating: 14A DC Max.(2 Ports with 1.5 mm² (AWG 15))
- ◇ Voltage Range: 24V DC
- ◇ Contact Resistance: 3 mΩ Max. before environment test
- ◇ Temperature Range: -40° C to 125° C

Reference

- ◇ Use with 66501S series Plug Housing
- ◇ 66501T012R used with 66502VA series Cable Seal.
- ◇ Mates with 66502T series crimp terminal
- ◇ Applicable wire gauge: 0.5 mm² - 1.5 mm² (AWG 20 - 15)



66501T Pin-contact Crimp Terminal



Ordering Information

Part No.	Applicable Wire		Q'ty / Reel
	Wire Size Range mm ² (AWG)	Insulation O.D. mm	
66501T012R	0.5 - 0.75 (20 - 18)	2.5 Max.	3,000
66501T022R	0.5 - 0.75 (20 - 18)	2.1 Max.	3,000
N/A	0.75 - 1.5 (18 - 15)	2.4 Max.	3,000

Material

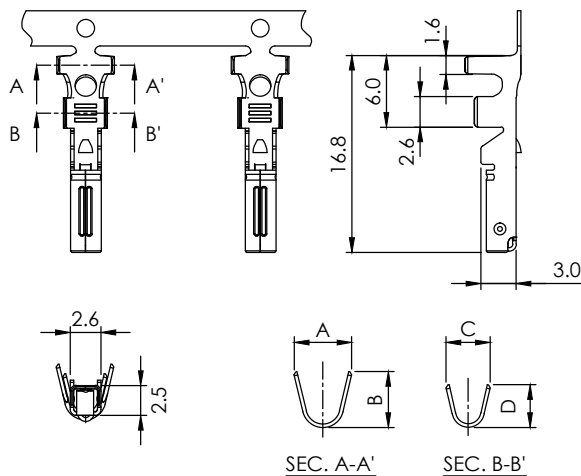
Part No.	Material	A	B	C	D
66501T012R	Brass	4.9	4.8	3.2	3.3
66501T022R	Tin-Plated	4.4	4.2	3.2	3.3

Specifications

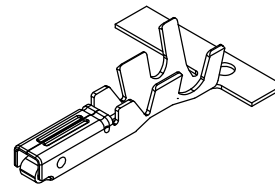
- ◇ Current rating: 14A DC(2 Ports with 1.5 mm² (AWG 15))
- ◇ Voltage Range: 24V DC
- ◇ Contact Resistance: 3 mΩ Max. before environment test
- ◇ Temperature Range: -40° C to 125° C

Reference

- ◇ Use with 66502S series Receptacle Housing
- ◇ 66502T011R used with 66502VA series Cable Seal.
- ◇ Mates with 66501T series crimp terminal
- ◇ Applicable wire gauge: 0.5 mm² - 1.5 mm² (AWG 20 - 15)



66502T Crimp Terminal



Ordering Information

Part No.	Applicable Wire		Q'ty / Reel
	Wire Size Range mm ² (AWG)	Insulation O.D. mm	
66502T011R	0.5 - 0.75 (20 - 18)	2.5 Max.	3,000
66502T021R	0.5 - 0.75 (20 - 18)	2.1 Max.	3,000
N/A	0.75 - 1.5 (18 - 15)	2.4 Max.	3,000

Material

Part No.	Material	A	B	C	D
66502T011R	Phosphor Bronze,	4.9	4.6	3.2	3.3
66502T021R	Tin-Plated	4.4	4.2	3.2	3.3

Automotive 110 SERIES CONNECTOR



5.0 mm Pitch Wire-to-Wire Connector



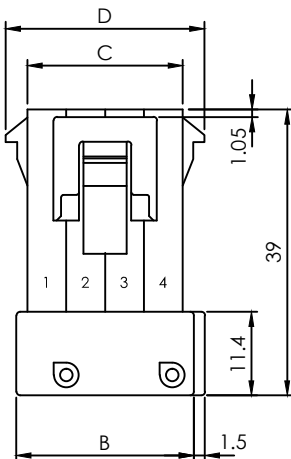
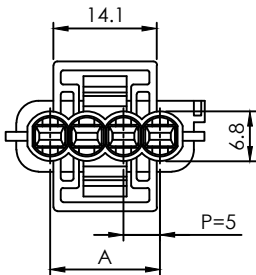
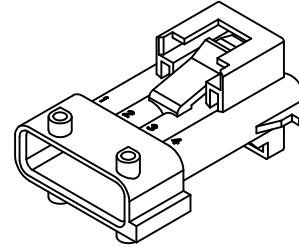
Specifications

- ◇ Current rating: 12A AC/DC Max.
- ◇ Voltage Range: 24V AC,DC
- ◇ Withstand Voltage: 1000V AC/Minute
- ◇ Contact Resistance: 3 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 120° C

Reference

- ◇ Use with 66511T series Pin-contact crimp terminal
- ◇ Applicable wire gauge: 0.5 mm² - 3.3 mm² (AWG 20 - 12)

66511S Plug Housing



Ordering Information

PIN No.	Part No.	Dimension			
		A	B	C	D
4	66511S0403-B	15.0	24.2	21.2	27.1

Material

Part	Material / Finish
Housing	Glass-filled PBT 94V-0, BLACK color

※ Color Identification: the following alphabet shall be put,

ex. 66511S 04 0 X* - S

04... Circuit no.

Color no.: B... black, S... white (natural color),

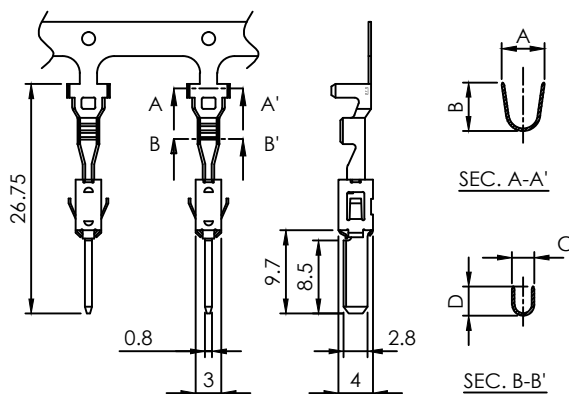
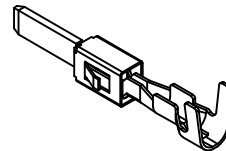
W... brown, E... blue color,

H... gray, M... green color

Reference

- ◇ Use with 66511S Plug Housing

66511T Pin-contact Crimp Terminal



Ordering Information

ORDER NO.	Dimension (mm)				Conductor mm ²	Insulation O.D. mm	Q'TY / Reel
	A	B	C	D			
66511T021R	5.0	4.8	2.6	2.9	0.5~1.0	2.1 MAX.	2,500
66511T031R	5.3	5.0	3.6	3.8	>1.0~2.5	3.0 MAX.	
66511T041R	6.2	6.0	4.5	4.7	>2.5~4.0	3.7 MAX.	

Material

Body: Phosphor Bronze, Tin-Plated

Cover: Stainless

Automotive 040, 025 SERIES CONNECTOR



2.54 mm Pitch Dual-Row Wire-to-Board Connector

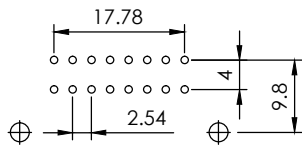
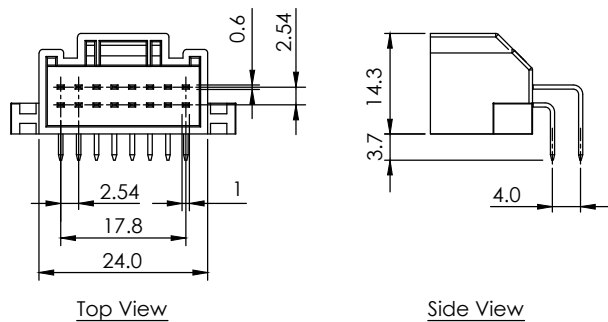


Specifications

- ◇ Current rating: 5A DC Max. (16 Ports with 0.75 mm² (AWG18))
- ◇ Voltage Range: 14V DC
- ◇ Withstand Voltage: 1000V AC/Minute
- ◇ Contact Resistance: 7 mΩ Max. before environment test
- ◇ Insulation Resistance: 100 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

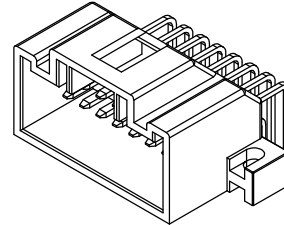
Reference

- ◇ Mates with 040 series 16P Plug Housing



PCB Layout (Component side)

66028P Right-Angle Header
040 Type 16P (pitch 2.54 X 2.54)



Ordering Information

Circuits	Part No.
16	66028P1613T

Material

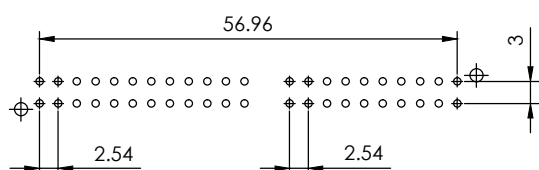
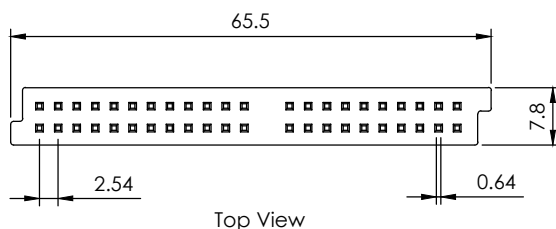
Part	Material
Base	Glass-filled PBT 94V-0, White color
Contact	Phosphor Bronze, Tin-plated

Specifications

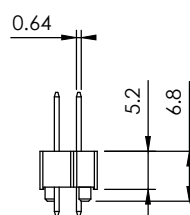
- ◇ Current rating: 2A DC Max. (44 Port with 0.75 mm² (AWG18))
- ◇ Voltage Range: 24V DC
- ◇ Withstand Voltage: 1000V AC/Minute
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Insulation Resistance: 100 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Mates with 025 series 44P Plug Housing

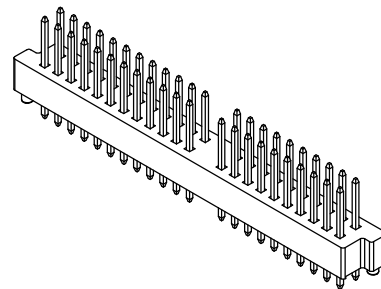


PCB Layout (Component side)



Side View

73025P DIP Header 44P
025 Type 44P (pitch 2.54 X 3.0)



Ordering Information

Circuits	Part No.
44	73025P4411T

Material

Part	Material
Base	Glass-filled NYLON66 94V-0, Black color
Contact	Brass Pin, Tin-plated

Automotive 060 SERIES CONNECTOR



3.2 mm / 3.5 mm Pitch Dual-Row Wire-to-Board Connector

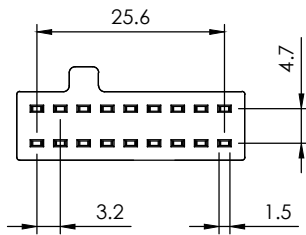


Specifications

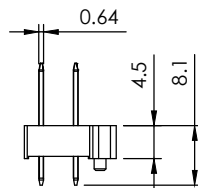
- ◇ Current rating: 7A DC Max. (18 Ports with 1.0 mm² (AWG 17))
- ◇ Voltage Range: 24V DC
- ◇ Withstand Voltage: 1000V AC/Minute
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Insulation Resistance: 100 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

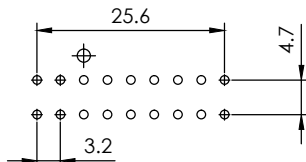
- ◇ Mates with 060 series 18P Plug Housing



Top View



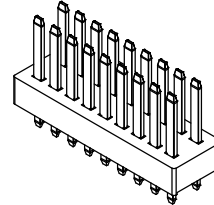
Side View



PCB Layout (Component side)

73032P DIP Header

060 Type 18P (pitch 3.2 X 4.7)



Ordering Information

Circuits	Part No.
18	73032P1811T

Material

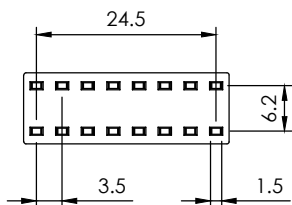
Part	Material
Base	Glass-filled NYLON66 94V-0, Black color
Contact	Brass Pin, Tin-plated

Specifications

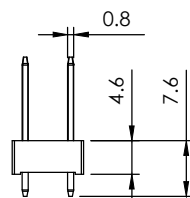
- ◇ Current rating: 8A DC Max. (16 Ports with 1.0 mm² (AWG 17))
- ◇ Voltage Range: 24V DC
- ◇ Withstand Voltage: 1000V AC/Minute
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Insulation Resistance: 100 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

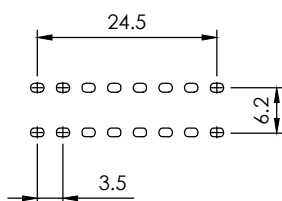
- ◇ Mates with 060 series 16P Plug Housing



Top View



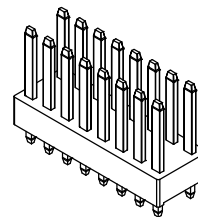
Side View



PCB Layout (Component side)

73035P Pin Header

060 Type 16P (pitch 3.5 X 6.2)



Ordering Information

Circuits	Part No.
16	73035P1611T

Material

Part	Material
Base	Glass-filled NYLON66 94V-0, Black color
Contact	Brass Pin, Tin-plated

Automotive 060, 070 SERIES CONNECTOR



Wire-to-Board Connector

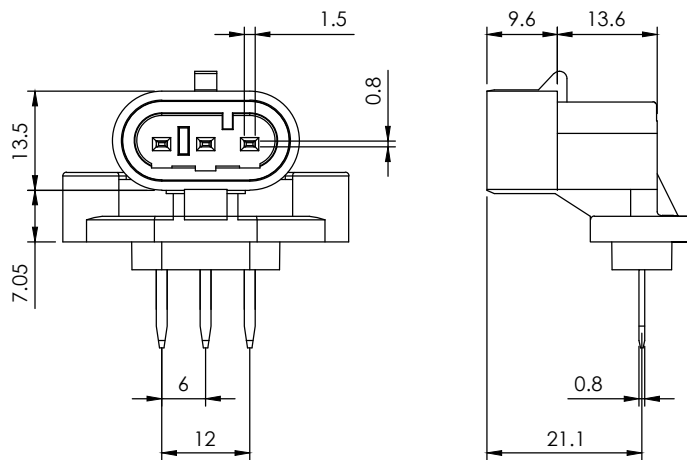


Specifications

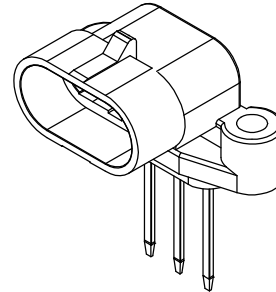
- ◇ Current rating: 10A DC Max. (3 Ports with 1.5 mm² (AWG 15))
- ◇ Voltage Range: 24V DC
- ◇ Withstand Voltage: 1000V AC/Minute
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Insulation Resistance: 100 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Mates with 060 series Plug Housing (P/N: 66502S0331)



66501P Right-Angle Header 060 Type 3P (pitch 6.0)



Ordering Information

Circuits	Part No.
3	66501P03H1T-B1

Material

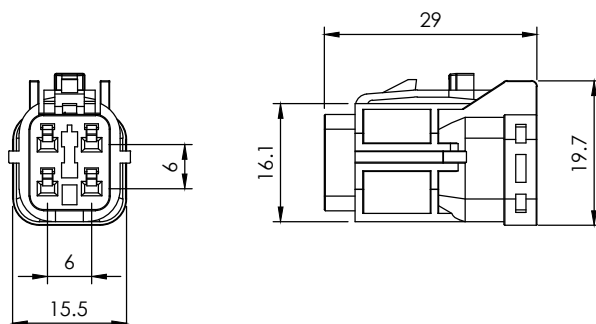
Part	Material
Base	Glass-filled NYLON66 94V-0, Black color
Contact	Brass Pin, Tin-plated

Specifications

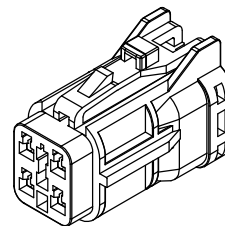
- ◇ Current rating: 8A DC Max. (4 Ports with 1.0 mm² (AWG 17))
- ◇ Voltage Range: 24V DC
- ◇ Withstand Voltage: 1000V AC/Minute
- ◇ Contact Resistance: 5 mΩ Max. before environment test
- ◇ Insulation Resistance: 100 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Mates with 070 series 4P Receptacle Housing
- ◇ Use with 66779T series Crimping Terminal



66779F Plug Housing 070 Type 4P (pitch 6.0 X 6.0)



Ordering Information

Circuits	Part No.
4	66779F0420-B

Material

Part	Material
Base	NYLON66 94V-0, Black color

Automotive 110 SERIES CONNECTOR



Wire-to-Board Connector

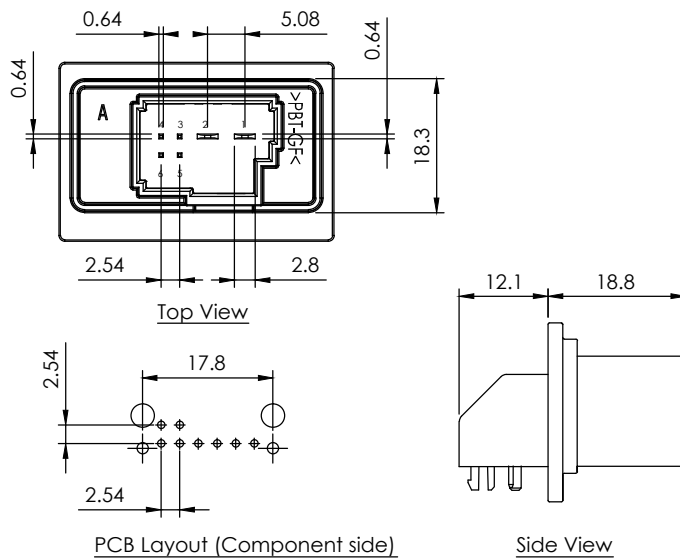


Specifications

- ◇ Current rating: 12A DC Max. (CKT 1 - 2 with 2.0 mm² (AWG 14))
- ◇ Voltage Range: 24V DC
- ◇ Withstand Voltage: 1000V AC/Minute
- ◇ Contact Resistance: 5 mΩ Max. (2.8mm x 0.64)
- ◇ Insulation Resistance: 100 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

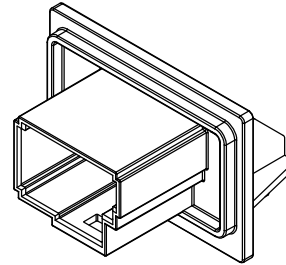
Reference

- ◇ Mates with 110 /025 Hybrid series Plug Housing



66282P Right-Angle DIP Header

025 / 110 Type 6P (pitch 2.54 / 5.08)



Ordering Information

Circuits	Part No.
12	66282P0613T

Material

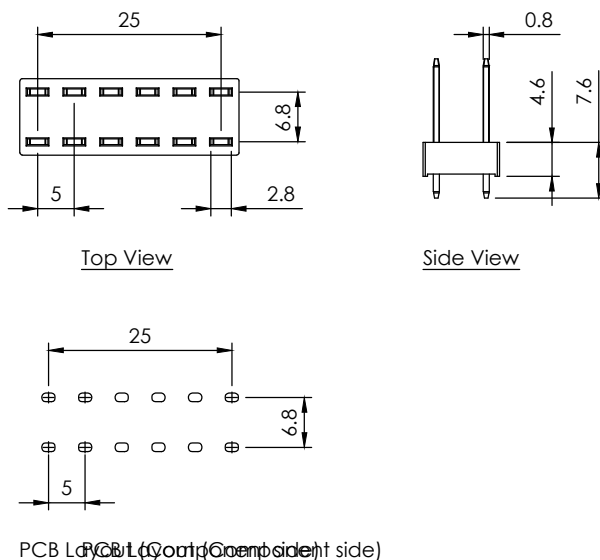
Part	Material
Base	Glass-filled PBT 94V-0, Black color
Contact	Brass Pin, Tin-plated

Specifications

- ◇ Current rating: 12A DC Max. (12 Ports with 2.5 mm² (AWG 13))
- ◇ Voltage Range: 24V DC
- ◇ Withstand Voltage: 1000V AC/Minute
- ◇ Contact Resistance: 5 mΩ Max. before environment test
- ◇ Insulation Resistance: 100 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

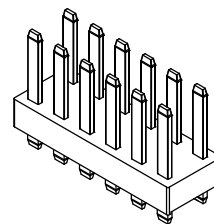
Reference

- ◇ Mates with 110 series 12P Plug Housing



73050P DIP Header

110 Type 12P (pitch 5.0 X 6.8)



Ordering Information

Circuits	Part No.
12	73050P1211T

Material

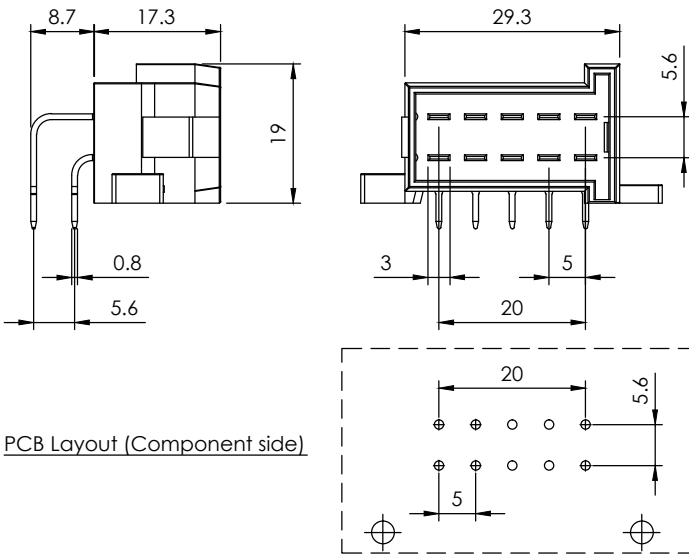
Part	Material
Base	Glass-filled NYLON66 94V-0, Black color
Contact	Brass Pin, Tin-plated

Specifications

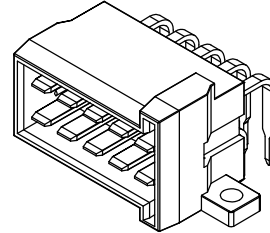
- ◇ Current rating: 10A DC Max. (10 Ports with 2.0 mm² (AWG 14))
- ◇ Voltage Range: 24V DC
- ◇ Withstand Voltage: 1000V AC/Minute
- ◇ Contact Resistance: 5 mΩ Max. before environment test
- ◇ Insulation Resistance: 100 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Mates with 110 series 10P Plug Housing



66221P Right-Angle Header 110 Type 10P (pitch 5.0 X 5.6)



Ordering Information

Circuits	Part No.
10	66221P10H1T-B1

Material

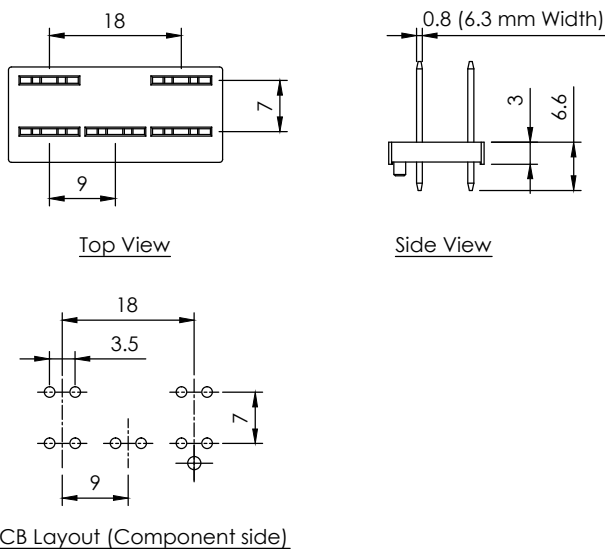
Part	Material
Base	Glass-filled NYLON66 94V-0, Black color
Contact	Brass Pin, Tin-plated

Specifications

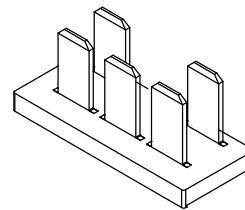
- ◇ Current rating: 15A DC Max. (5 Ports with 2.5 mm² (AWG 13))
- ◇ Voltage Range: 24V DC
- ◇ Withstand Voltage: 1000V AC/Minute
- ◇ Contact Resistance: 5 mΩ Max. before environment test
- ◇ Insulation Resistance: 100 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Mates with connector of 250 series TAB-ON Terminal.



73090P DIP Header 250 Type 5P (pitch 9.0)



Ordering Information

Circuits	Part No.
5	73090P0511T

Material

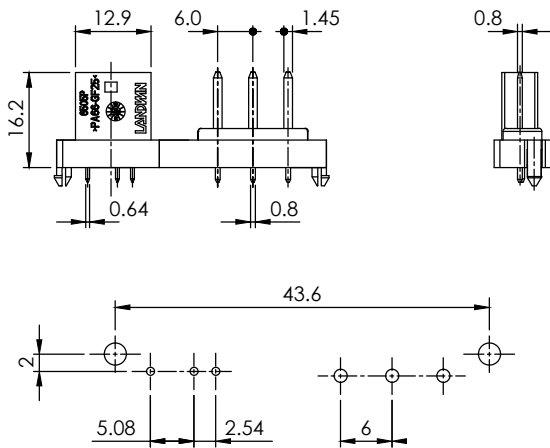
Part	Material
Base	Glass-filled NYLON66 94V-0, Black color
Contact	Brass Pin, Tin-plated

Specifications

- ◇ Current rating: 4A (Pitch 6.0 mm), 0.7A (Pitch 2.54 - 5.08 mm)
- ◇ Voltage Range: 200V DC/AC
- ◇ Withstand Voltage: 1000V AC/Minute (Pitch 6.0 mm)
- ◇ Contact Resistance: 6 mΩ Max. before environment test
- ◇ Insulation Resistance: 500 MΩ Min.
- ◇ Temperature Range: -40° C to 125° C

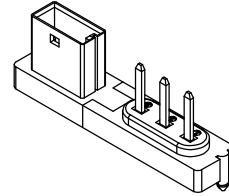
Reference

- ◇ OUTPUT ports mates with HID Plug Housing
- ◇ Use in HID Ballast's connector



PCB Layout (Component side)

6501P Header, HID connector



Ordering Information

Part No.	Solder Type	Pitch	
		Input	Output
6501P06A7V	Straight DIP	6.0	2.54-5.08

Material

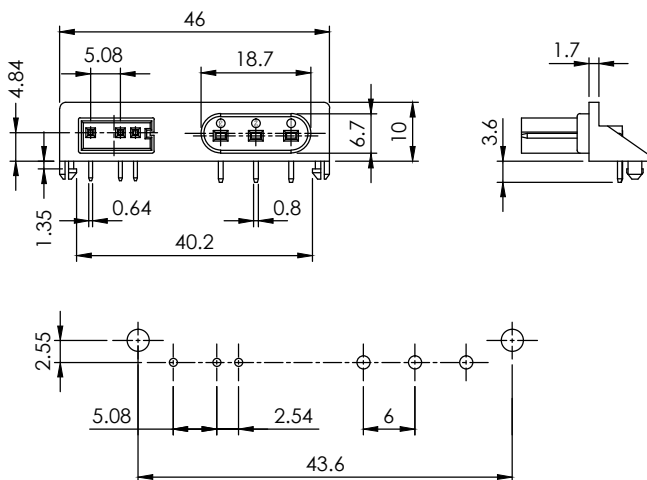
Part	Material / Finish
Base	Glass-filled Nylon66 94V-0, black color
Contact	Brass, Matte Tin-plated

Specifications

- ◇ Current rating: 4A (Pitch 6.0 mm), 0.7A (Pitch 2.54 - 5.08 mm)
- ◇ Voltage Range: 200V DC/AC
- ◇ Withstand Voltage: 1000V AC/Minute (Pitch 6.0 mm)
- ◇ Contact Resistance: 6 mΩ Max. before environment test
- ◇ Insulation Resistance: 500 MΩ Min.
- ◇ Temperature Range: -40° C to 125° C

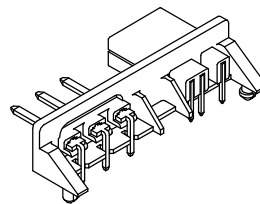
Reference

- ◇ OUTPUT ports mates with HID Plug Housing
- ◇ Use in HID Ballast's connector



PCB Layout (Component side)

6505P Header, HID connector



Ordering Information

Part No.	Solder Type	Pitch	
		Input	Output
6505P0607V	Right-angle DIP	6.0	2.54-5.08

Material

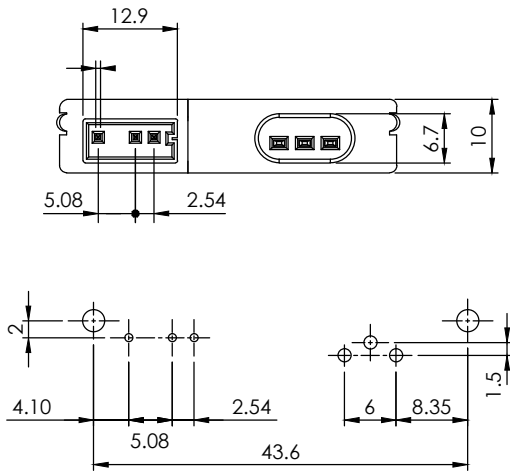
Part	Material / Finish
Base	Glass-filled Nylon66 94V-0, black color
Contact	Brass, Matte Tin-plated

Specifications

- ◇ Current rating: 4A (Pitch 3.5 mm), 0.7A (Pitch 2.54 - 5.08 mm)
- ◇ Voltage Range: 200V DC/AC
- ◇ Withstand Voltage: 1000V AC/Minute (Pitch 6.0 mm)
- ◇ Contact Resistance: 6 mΩ Max. before environment test
- ◇ Insulation Resistance: 500 MΩ Min.
- ◇ Temperature Range: -40° C to 125° C

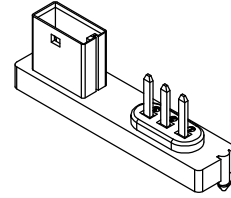
Reference

- ◇ OUTPUT ports mates with HID Plug Housing
- ◇ Use in HID Ballast's connector



PCB Layout (Component side)

6504P Header, HID connector



Ordering Information

Part No.	Solder Type	Pitch	
		Input	Output
6504P06A7V	Straight DIP	3.5	2.54-5.08

Material

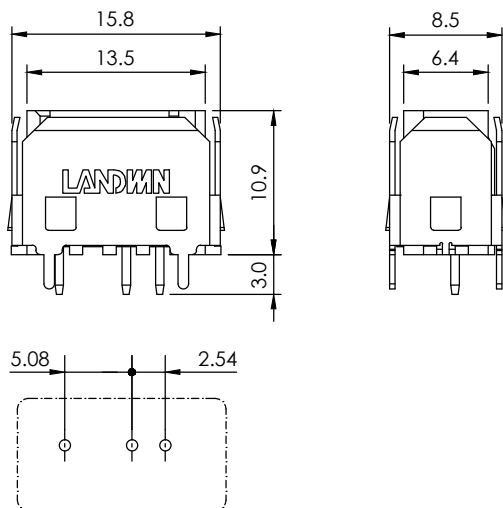
Part	Material / Finish
Base	Glass-filled Nylon66 94V-0, black color
Contact	Brass, Matte Tin-plated

Specifications

- ◇ Current rating: 0.7A (Pitch 2.54 - 5.08 mm)
- ◇ Voltage Range: 200V AC/DC
- ◇ Withstand Voltage: 2000V AC/Minute
- ◇ Contact Resistance: 6 mΩ Max. before environment test
- ◇ Insulation Resistance: 500 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

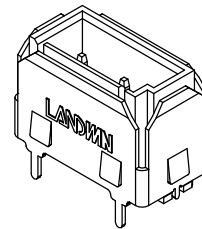
Reference

- ◇ Mates with HID Plug Housing



PCB Layout (Component side)

6510P Header, HID connector



Ordering Information

Part No.	Solder Type	Pitch
		2.54 - 5.08
6510P0307T	Straight / DIP	

Material

Part	Material / Finish
Base	Glass-filled Nylon66 94V-0, black color
Contact	Brass, Tin-plated
Shell	Brass, Matte Tin-plated

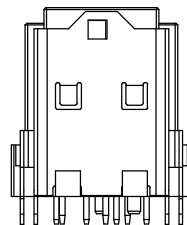
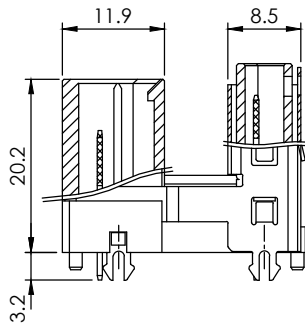
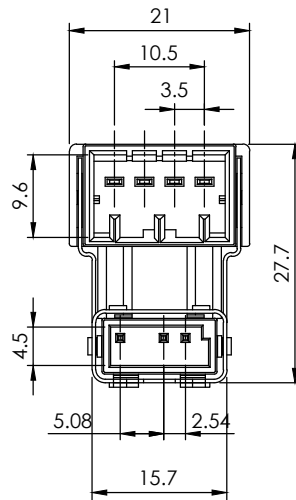
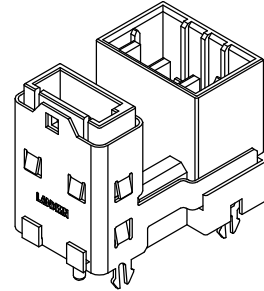
■ Specifications

- ◇ Current rating: 4A (Pitch 3.5 mm), 0.7A (Pitch 2.54 - 5.08 mm)
- ◇ Voltage Range: 200V AC/DC
- ◇ Withstand Voltage: 2000V AC/Minute
- ◇ Contact Resistance: 6 mΩ Max. before environment test
- ◇ Insulation Resistance: 500 MΩ Min.
- ◇ Temperature Range: -40° C to 125° C

■ Reference

- ◇ OUTPUT ports mates with HID Plug Housing
- ◇ INPUT ports mates with 6506F Plug Housing

6506PHeader, HID connector



Ordering Information

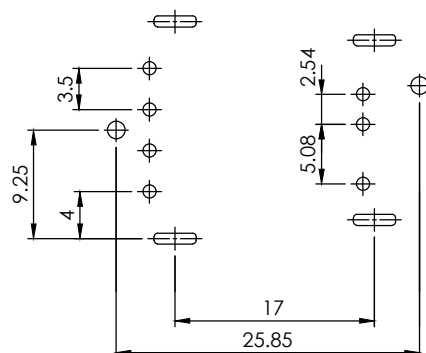
Part No.	Solder Type	Pitch	
		Input	Output
6506P0707C	Straight / DIP	3.5	2.54-5.08

Material

Part	Material / Finish
Base	Glass-filled Nylon66 94V-0, black color
Contact	Brass, matte tin or select gold-plated
Shell	Brass, matte tin-plated

※ Detailed plating specification is identified in product drawing.

P.C. Board Layout



Automotive 025 SERIES CONNECTOR



2.54 mm Pitch Wire-to-Board Connector

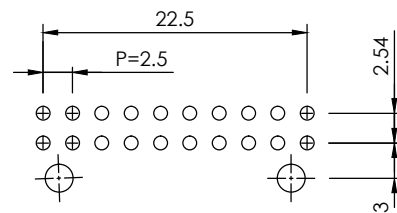
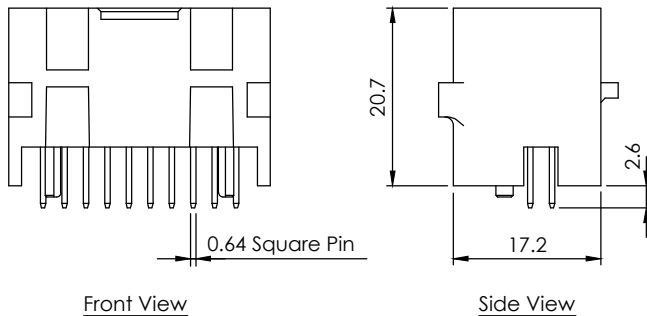


Specifications

- ◇ Current rating: 3A AC/DC Max. (20 Ports with 0.75 mm² (AWG 18))
- ◇ Voltage Range: 250V AC/DC
- ◇ Withstand Voltage: 2000V AC/Minute
- ◇ Contact Resistance: 6 mΩ Max. before environment test
- ◇ Insulation Resistance: 500 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

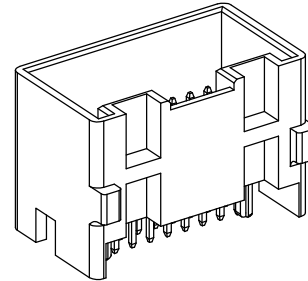
Reference

- ◇ Mates with 025 Type 20P Connector



PCB Layout (Component side)

6508P DIP Header
025 Type 20P (pitch 2.5 x 2.54)



Ordering Information

Part No.	Pitch	
	Input	Output
6508P2003C	2.5 x 2.54	2.5 x 2.54

Material

Part	Material / Finish
Base	Glass-filled PBT 94V-0, black color
Contact	Brass, matte tin or select gold-plated

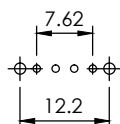
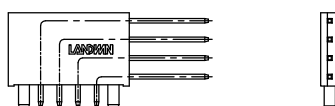
※ Detailed plating specification is identified in product drawing.

Specifications

- ◇ Current rating: 3A AC/DC Max. (4 Ports with 0.75 mm² (AWG 18))
- ◇ Voltage Range: 250V AC/DC
- ◇ Withstand Voltage: 1000V AC/Minute
- ◇ Contact Resistance: 10 mΩ Max.
- ◇ Insulation Resistance: 500 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

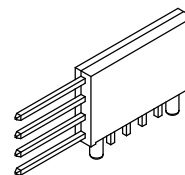
Reference

- ◇ Mates with pitch 2.54 socket / plug connector



PCB Layout (Component side)

42601P DIP Header
0.64 SQ Pin 4P (pitch 2.54)



Ordering Information

P/N: 42601P0437V

Material

Part	Material / Finish
Housing	Glass-filled Nylon 66 94V-0, Black
Contact	Brass Pin, Matte Tin-plated

Automotive 070 SERIES CONNECTOR



3.5 mm Pitch Wire-to-Wire Connector

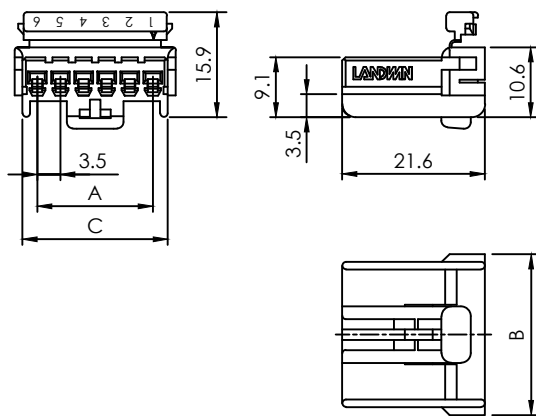


Specifications

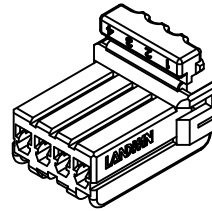
- ◇ Current rating: 10A AC/DC Max. (2 Ports with 1.25 mm² (AWG 16))
Current rating: 5.5A AC/DC Max. (6 Ports)
- ◇ Voltage Range: 200V AC/DC
- ◇ Withstand Voltage: 1800V AC/Minute
- ◇ Contact Resistance: 3 mΩ Max. before environment test
- ◇ Insulation Resistance: 500 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Mates with 6506M Receptacle Housing
- ◇ Mates with 6506P Header
- ◇ Use with 66502T series crimp terminal
- ◇ Applicable wire gauge: 0.5 mm² - 1.25 mm² (AWG 20 - 16)



6506F Plug Housing 070 Type (pitch 3.5)



Ordering Information

PIN No.	Part No.	Dimension		
		A	B	C
2	6506F02 00	3.5	10.4	8.0
3	6506F03 00	7.0	13.9	11.5
4	6506F04 00	10.5	17.4	15.0
5	6506F05 00	14.0	20.9	18.5
6	6506F06 00	17.5	24.4	22.0

Material

Part	Material / Finish
Housing	Nylon 66 94V-0, white (natural color)

※ Color Identification: the following alphabet shall be put;

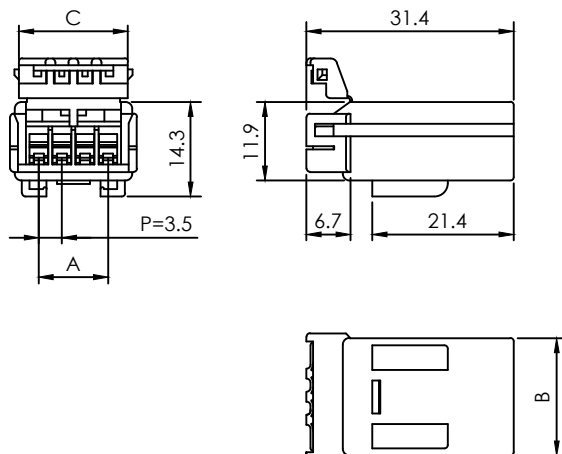
ex. 6506F 02 0 X* - R
 02... Circuit no., B... black, R... red color
 X*... Material no.: 0... Nylon 66 94V-0

Specifications

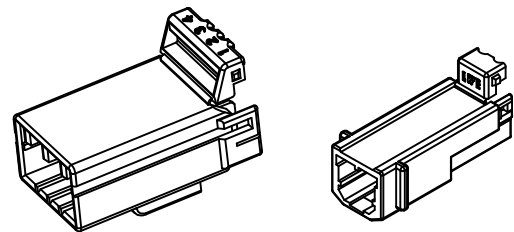
- ◇ Current rating: 10A AC/DC Max. (2Ports with 1.25 mm² (AWG 16))
Current rating: 5.5A AC/DC Max. (6 Ports)
- ◇ Voltage Range: 200V AC/DC
- ◇ Withstand Voltage: 1800V AC/Minute
- ◇ Contact Resistance: 3 mΩ Max. before environment test
- ◇ Insulation Resistance: 500 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Mates with 6506F Plug Housing
- ◇ Use with 66501T series crimp terminal
- ◇ Applicable wire gauge: 0.5 mm² - 1.25 mm² (AWG 20 - 16)



6506M Receptacle Housing 070 Type (pitch 3.5)



2-Circuit

Ordering Information

PIN No.	Part No.	Dimension		
		A	B	C
2	6506M02 00	3.5	11.6	6.8
3	6506M03 00	7.0	14.3	13.0
4	6506M04 00	10.5	17.8	16.5
5	6506M05 00	14.0	21.3	20.0
6	6506M06 00	17.5	24.8	23.5

Material

Part	Material / Finish
Housing	Nylon 66 94V-0, white (natural color)

※ ex. 6506M 02 0 X* (White / Natural color)

ex. 6506M 02 0 X* - R
 02... Circuit no., B... black, R... red color
 X*... Material no.: 0... Nylon 66 94V-0

Automotive 110 SERIES CONNECTOR



8.4 mm Pitch Wire-to-Wire Connector



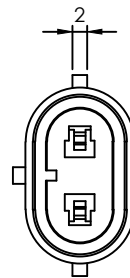
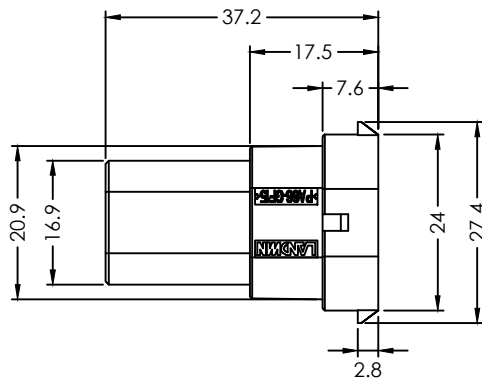
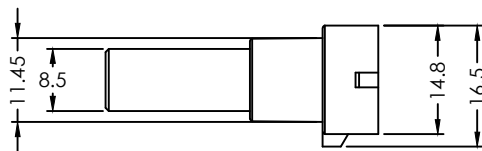
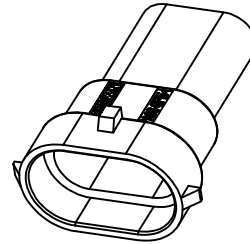
Specifications

- ◇ Current rating: 15A DC Max. (2.5 mm² (AWG 13))
Current rating: 5.5A DC Max. (0.75 mm² (AWG 18))
- ◇ Voltage Range: 24V DC
- ◇ Withstand Voltage: 1000V AC/Minute
- ◇ Contact Resistance: 6 mΩ Max. before environment test
- ◇ Insulation Resistance: 500 MΩ Min.
- ◇ Temperature Range: -40° C to 125° C
- ◇ Applicable wire gauge: 1.25 mm² - 2.0 mm² (AWG 16 - 14)

Reference

- ◇ Use with 66709T Terminal

66709S Plug Housing 110 Type 2P (pitch 8.4)



Ordering Information

P/N: 66709S0231-B

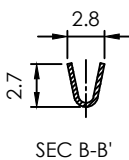
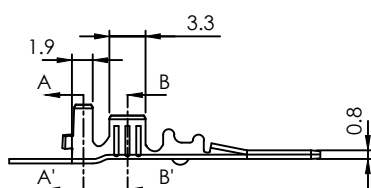
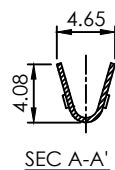
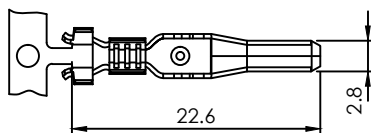
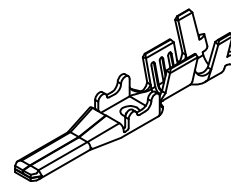
Material

Part	Material / Finish
Base	Glass-filled PBT 94V-0, black color

Reference

- ◇ Mates with 66709S Plug Housing

66709T Crimp Terminal



Ordering Information

Part No.	Applicable Wire		
	Wire Size Range mm ² (AWG)	Insulation O.D. mm	Q'ty / Reel
66709T022R	0.35 - 0.75 (22 - 18)	2.1 Max.	4,500
N/A	1.0 - 2.5 (17 - 13)	3.0 Max.	3,000

Material

Part No.	Material
66709T022R	Brass, Tin-Plated

Automotive TAB-ON SERIES CONNECTOR



8.0 mm Pitch Wire-to-Wire Mini Fuse Cilp



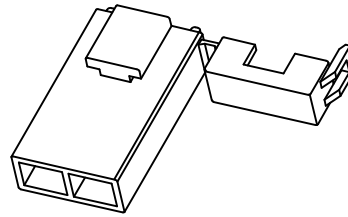
Specifications

- ◇ Current rating: 2A~10A DC Max.
- ◇ Voltage Range: 32V DC
- ◇ Withstand Voltage: 1000V AC/Minute
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Insulation Resistance: 500 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C
- ◇ Applicable wire gauge: 0.51 mm² - 1.31 mm² (AWG 20 - 16)

Reference

- ◇ Mates with Mini-Fuse Block
- ◇ Use with 66712T Terminal
- ◇ Material: Nylon66 94V-0 (Black color)

66981S Blade Fuse Holder - Mini Fuse

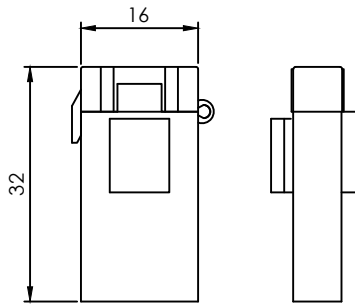
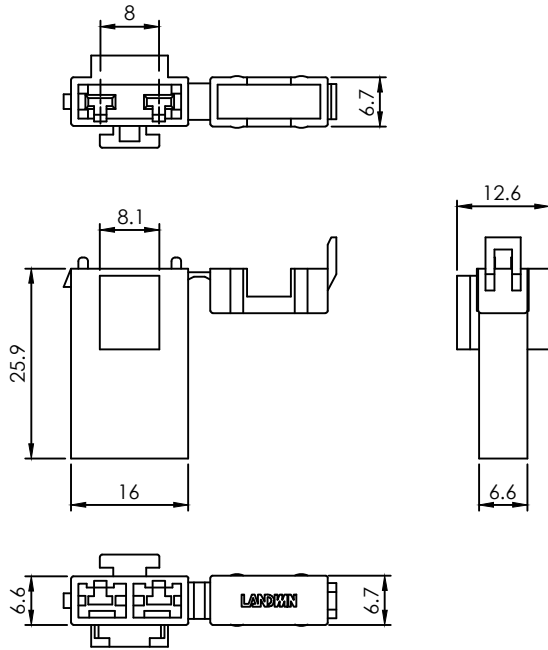


Ordering Information

P/N: 66981S0200

Material

Part	Material / Finish
Base	Nylon66 94V-0, black color

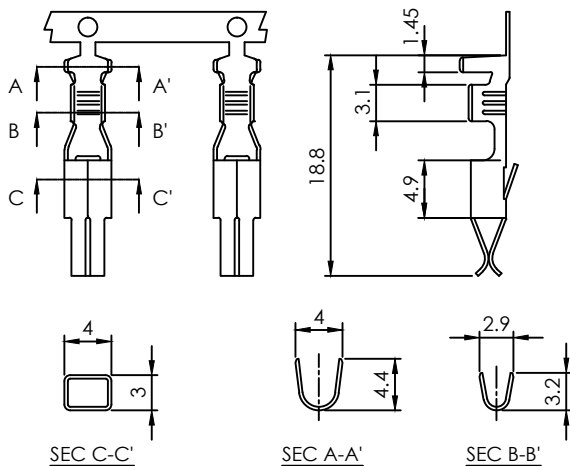
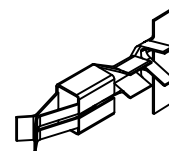


ASSEMBLY VIEW (CAP IS CLODE-UP)

Reference

- ◇ Use with 66981S Plug Housing

66712T Crimp Terminal



Ordering Information

Part No.	Applicable Wire		Q'ty / Reel
	Wire Size Range mm ² (AWG)	Insulation O.D. mm	
66712T011R	0.5 - 1.25 (20 - 16)	2.9 Max.	4,000

Material

Part No.	Material
66712T011R	Phosphor Bronze, Tin-Plated

Automotive TAB-ON SERIES CONNECTOR



205 Flag Terminal with Isolation Housing

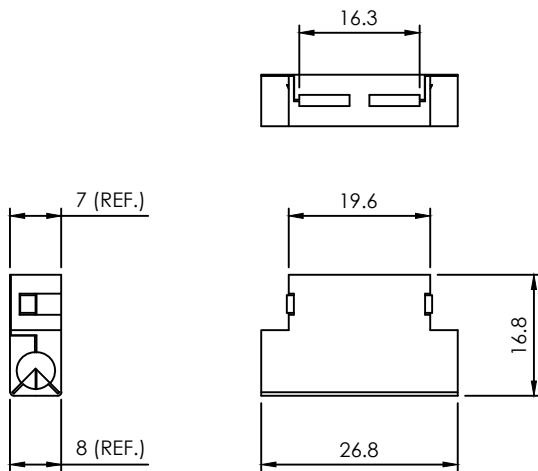


Specifications

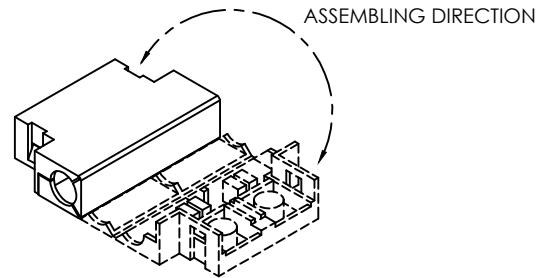
- ◇ Current rating: 0.5A ~ 20A DC Max.
- ◇ Voltage Range: 32V DC
- ◇ Contact Resistance: 3 mΩ Max.
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Use with 205 series Flag TAB-ON Crimp Terminal.
- ◇ Mates with Blade Type Regular Fuse, UL248 Special Purpose Fuse.
- ◇ Applicable wire gauge: 0.75 mm² - 2.0 mm² (AWG 18 - 14)



6001S Blade Fuse Holder - Regular



Ordering Information

Circuits	Part No.
2	6001S0210

Material

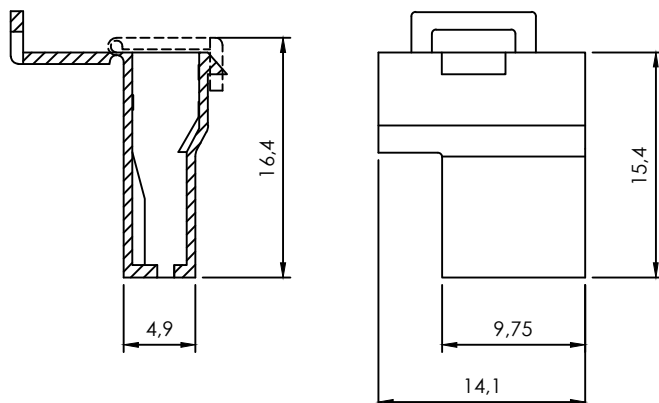
Part	Material
Base	NYLON66 94V-0, Natural color

Specifications

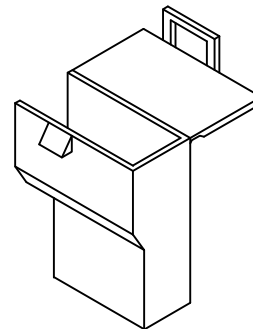
- ◇ Current rating: 25A AC/DC Max.
- ◇ Voltage Range: 250V AC/DC
- ◇ Contact Resistance: 3 mΩ Max.
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Use with 250 series Flag Crimp Terminal.
- ◇ Applicable wire gauge: 0.75 mm² - 3.3 mm² (AWG 18 - 12)



66106S Flag TAB-on Housing 1P



Ordering Information

Circuits	Part No.
1	66106S0100

Material

Part	Material
Housing	NYLON66 94V-0, Natural color

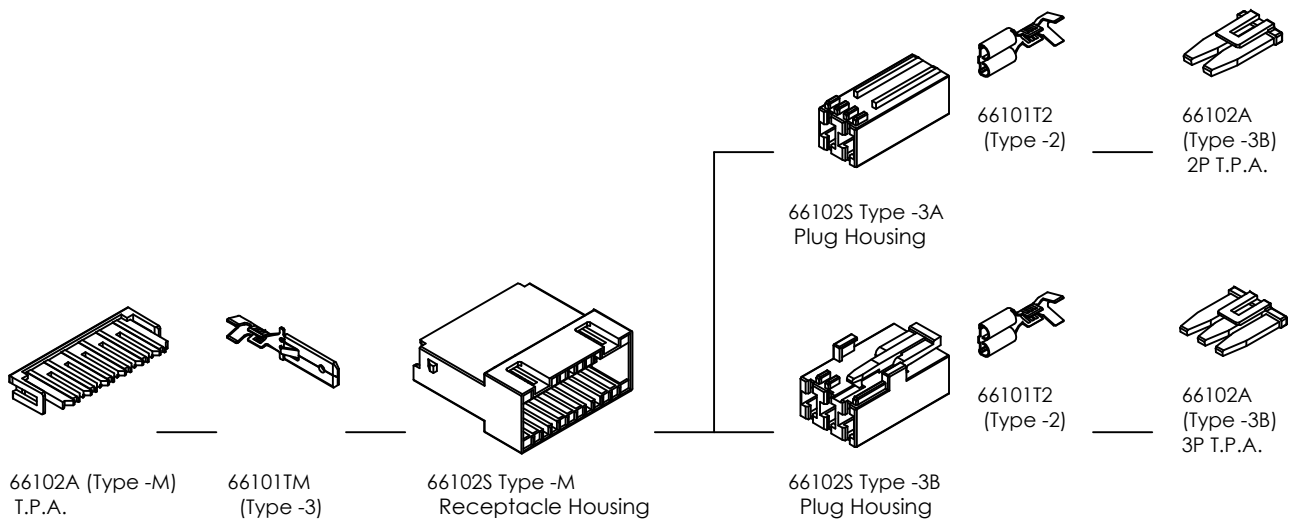
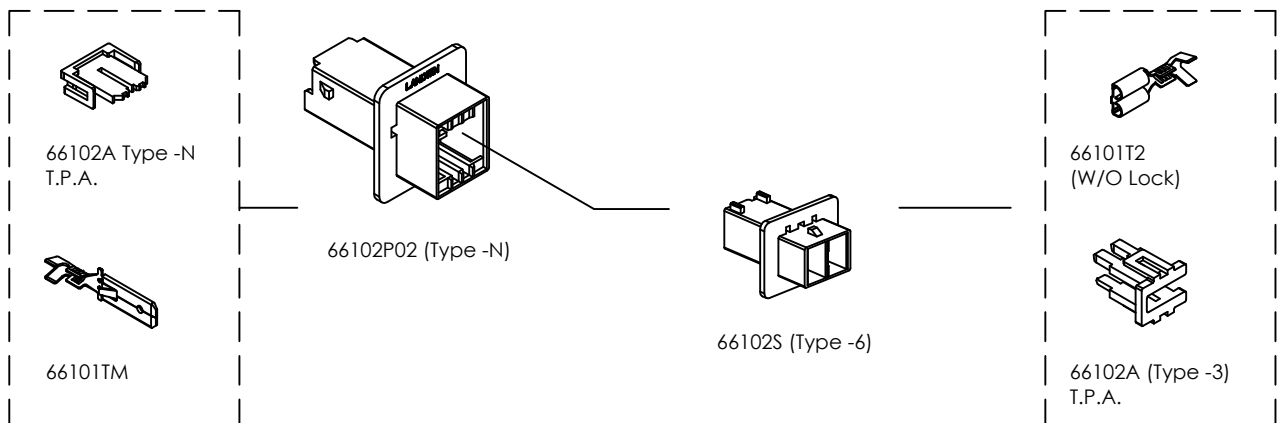
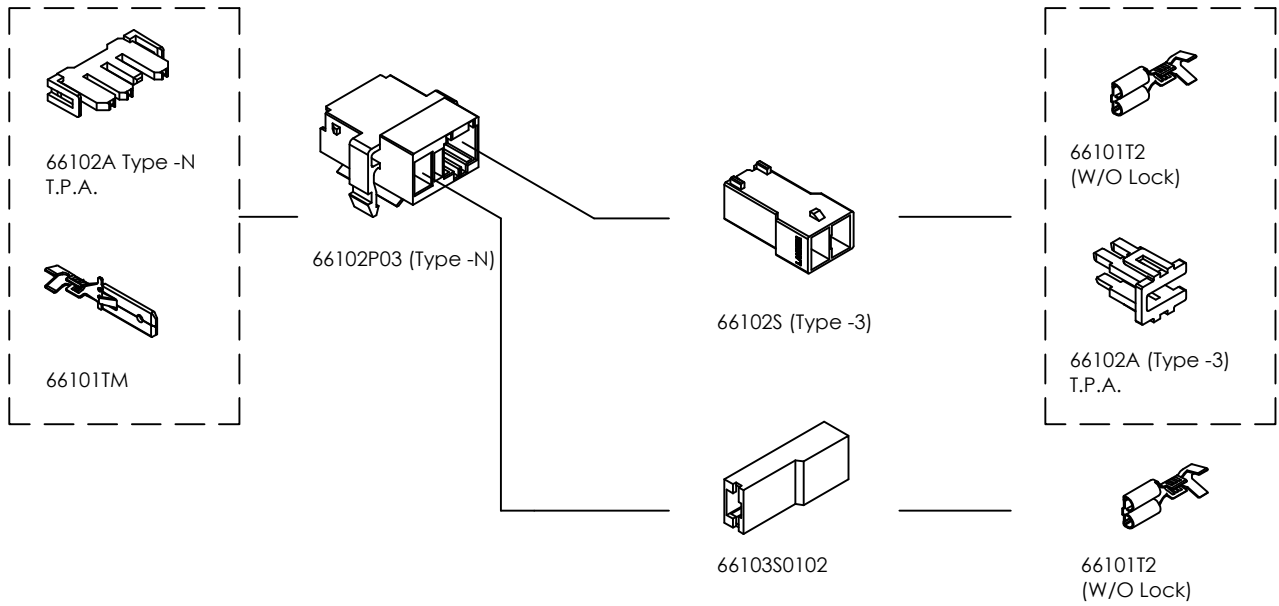
RAST 5 connector CRIMPING SERIES



Application Overview - Wire to Wire

RoHS REACH LF HFA

250 TAB Series



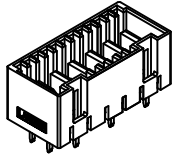
RAST 5 connector CRIMPING SERIES



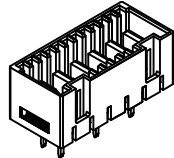
Application Overview - Wire to Board

RoHS REACH LF HFA

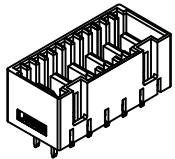
250 TAB Series / RAST 5



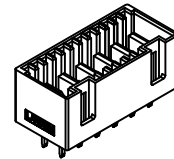
66102P Straight DIP
Type -1 PCB Layout
DIP Header



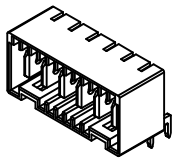
66102P Straight
Type -2 PCB Layout
DIP Header



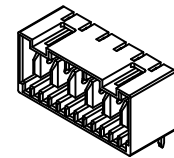
66102P Straight DIP
Type -3 PCB Layout



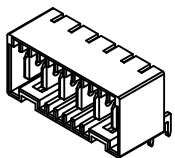
66102P Straight DIP
Type -4N (Silicon PCB App)



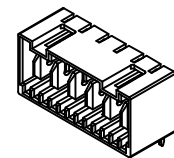
66102P Right-angle
High-Profile (Type -HB)
DIP Header
Type -1 or Type -2 PCB Layout



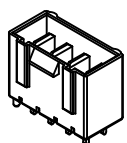
66102P Right-angle
High-Profile (Type -H)
DIP Header
Type -1 or Type -2 PCB Layout



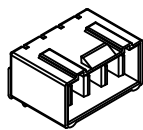
66102P Right-angle
Low-Profile (Type -JB)
DIP Header
Type -1 or Type -2 PCB Layout



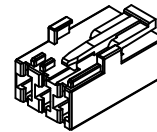
66102P Right-angle
Low-Profile (Type -J)
DIP Header
Type -1 or Type -2 PCB Layout



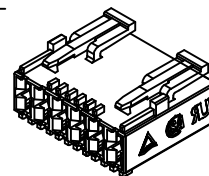
66102P (Type -F)
DIP Header



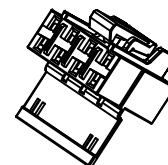
66102P (Type -G)
DIP Header



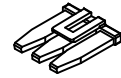
66102S Type -3B
Plug Housing



66102S Type -B
Plug Housing



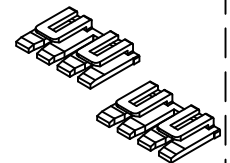
66102S (Type -F)
Plug Housing



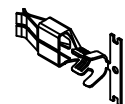
66102A
(Type -3B)
3P T.P.A.



66101T2
(Type -2)



66102A Type -B
T.P.A.



66102T0
Crimp Terminal



66102T4-1
Crimp Terminal

RAST 5 connector CRIMPING SERIES



TAB 250 Series / 5.0 Pitch Wire-to-Wire Connector



Specifications

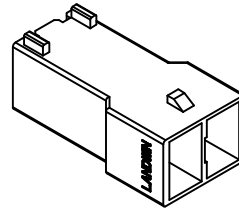
- ◇ Current rating: 16A AC, DC Max.
- ◇ Voltage Range: 250V AC, DC
- ◇ Withstand Voltage: 2000V AC/Minute
- ◇ Contact Resistance: 5 mΩ Max. before environment test
- ◇ Insulation Resistance: 5000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

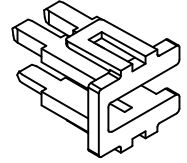
- ◇ Mates with 66102P Type-N Receptacle Housing
- ◇ Use with 66101T2 series, 250 TAB-Mate Crimp Terminal
- ◇ GWT 850° C rated product is available
- ◇ Applicable wire gauge: AWG 20 - 14

66102S Type -3 Plug Housing

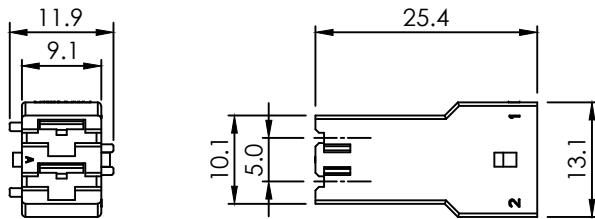
66102A Type -3 Cable Retainer (T.P.A.)



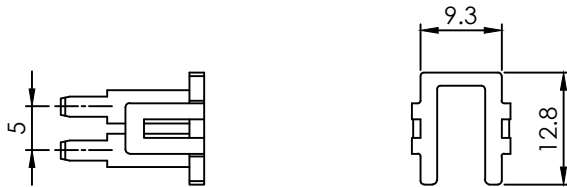
66102S Type-3



66102A Type-3



66102S Type-3 Plug Housing, 2-Circuit



66102A Type-3 T.P.A., 2-Circuit

Ordering Information

Part No.	Mating-contact Type	Access-pitch	Circuit No.
66102S0231-B2	TAB 250	5.0	2
66102A0231-R	TAB 250	5.0	2

Material

Part	Material / Finish
Housing	Glass-filled Nylon66 94V-0, Black color
T.P.A.	Glass-filled Nylon66 94V-0, Red color

※ PART NUMBER ASSIGNMENT:

ex. 66102S 02 3 1 - B 2

ex. 66102A 02 3 1 - R

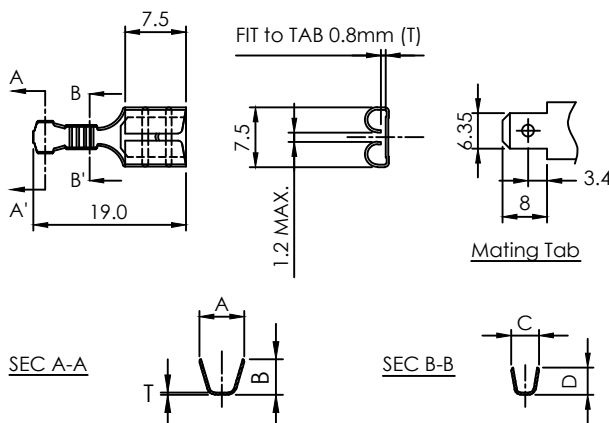
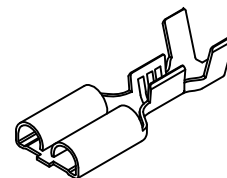
02... Circuit Nos (pin numbers)

B... Black, R... red color

Reference

- ◇ Use with 661XX and RAST5 series Plug Housing
- ◇ Mates with 3301T, 3302T series 250 TAB type PCB terminal
- ◇ Mates with 66101TM series 250 TAB Crimp Terminal
- ◇ Material: Brass, Matte fin-plated

66101T2 250 TAB-Mate Crimp Terminal
(Type -2, Locking with Plastics Plate)



Ordering Information

Part No.	Applicable Wire		Q'ty per Reel
	AWG #	Insulation O.D. mm	
66101T212V	16 - 20	3.2 Max.	5,000
66101T222V	14 - 16	3.8 Max.	5,000

Part No.	A	B	C	D	T
66101T212V	5.2	5.2	3.5	3.5	0.4
66101T222V	5.4	5.4	3.7	3.8	0.4

RAST 5 connector CRIMPING SERIES



TAB 250 Series / 5.0 Pitch Wire-to-Board Connector



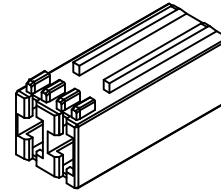
Specifications

- ◇ Current rating: 16A AC, DC Max.
- ◇ Voltage Range: 250V AC, DC
- ◇ Withstand Voltage: 2000V AC/Minute
- ◇ Contact Resistance: 5 mΩ Max. before environment test
- ◇ Insulation Resistance: 5000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

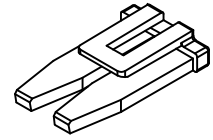
Reference

- ◇ Mates with RAST5 Header and Receptacle Housing
- ◇ Use with 66101T2 series, 250 TAB-Mate Crimp Terminal
- ◇ GWT 850° C rated product is available
- ◇ Applicable wire gauge: AWG 22 - 14

66102S Type -3A Plug Housing



66102S Type-3A



66102A Type-3B

Ordering Information (Type-3A)

PIN Nos	Part No.		Dimension		
	66102S series Type-3A	66102A series Type-3B	A	B	C
2	66102S02 3A1-S H	66102A02 3B1-R	5.0	10.1	9.9
2	66102S02 3A1-S I				
2	66102S02 3A1-S J				
2	66102S02 3A1-S K				
2	66102S02 3A1-S L				

Material

Part	Material / Finish
Housing	Glass-filled Nylon66 94V-0, Light ivory (natural color)
T.P.A.	Glass-filled Nylon66 94V-0, Red color

※ PART NUMBER ASSIGNMENT:

ex. 66102S 02 3A 1 - S X (Type-3A Plug housing)

ex. 66102A 02 3B 1 - R (T.P.A.)

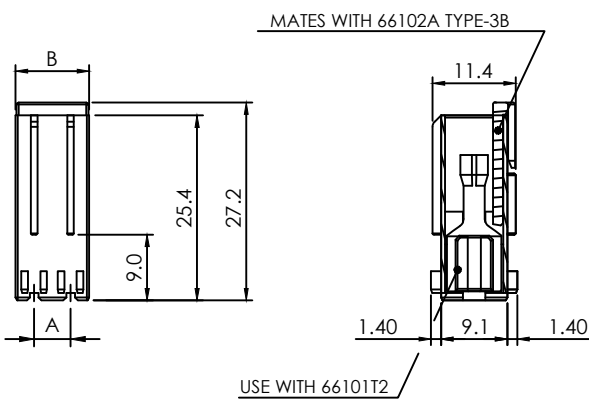
02... Circuit Nos (pin numbers), refer to order information.

S... Light ivory (natural color), R... red color, B... Black color, E... Blue color

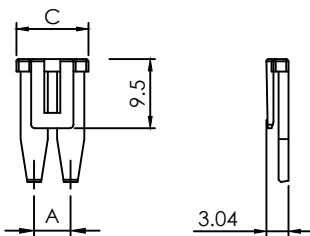
X... Keying No. (See Ordering Info)

※ Full applicable keying type, refer to document no. PL-6610201.

(Keying Specification for RAST 5 Connector of LANDWIN)



66102S Type-3A

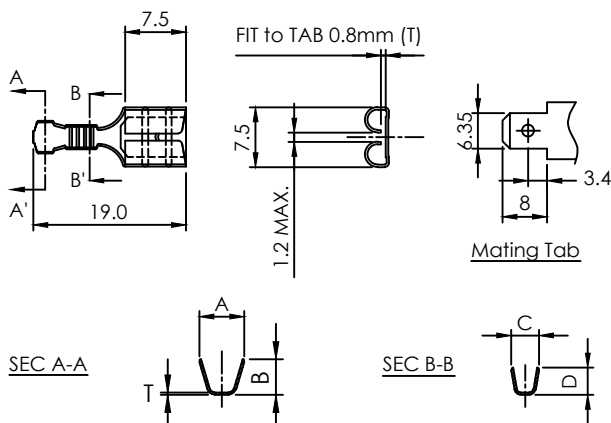
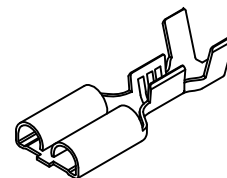


66102A Type-3B

Reference

- ◇ Use with 6611XX and RAST5 series Plug Housing
- ◇ Mates with 3301T, 3302T series 250 TAB type PCB terminal
- ◇ Mates with 66101TM series 250 TAB Crimp Terminal
- ◇ Material: Brass, Matte fin-plated

66101T2 250 TAB-Mate Crimp Terminal (Type -2, Locking with Plastics Plate)



Ordering Information

Part No.	Applicable Wire		Q'ty per Reel
	AWG #	Insulation O.D. mm	
66101T212V	16 - 20	3.2 Max.	5,000
66101T222V	14 - 16	3.8 Max.	5,000

Part No.	A	B	C	D	T
66101T212V	5.2	5.2	3.5	3.5	0.4
66101T222V	5.4	5.4	3.7	3.8	0.4

RAST 5 connector CRIMPING SERIES



TAB 250 Series / 5.0 Pitch Wire-to-Board Connector



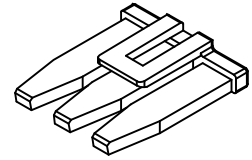
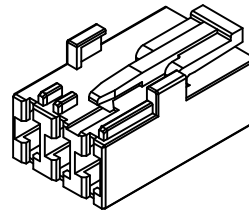
Specifications

- ◇ Current rating: 16A AC, DC Max.
- ◇ Voltage Range: 250V AC, DC
- ◇ Withstand Voltage: 2000V AC/Minute
- ◇ Contact Resistance: 5 mΩ Max. before environment test
- ◇ Insulation Resistance: 5000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Mates with RAST5 Header and Receptacle Housing
- ◇ Use with 66101T2 series, 250 TAB-Mate Crimp Terminal
- ◇ GWT 850° C rated product is available
- ◇ Applicable wire gauge: AWG 22 - 14

66102S Type -3B Plug Housing



66102S Type-3B

66102A Type-3B

Ordering Information (Type-3B)

PIN Nos	Part No.		Dimension		
	66102S series Type-3B	66102A series Type-3B	A	B	C
2	66102S02 3B1-S X X = 2, 4, 7, 8, B, C, E, F, G, N	66102A02 3B1-R	5.0	10.1	9.9
3	66102S03 3B1-S X X = 3, 9, B, C, E, F, G	66102A03 3B1-R	10.0	15.1	14.9

Material

Part	Material / Finish
Housing	Glass-filled Nylon66 94V-0, Light ivory (natural color)
T.P.A.	Glass-filled Nylon66 94V-0, Red color

※ PART NUMBER ASSIGNMENT:

ex. 66102S 02 3B 1 - S X (Type-3B Plug housing)

ex. 66102A 02 3B 1 - R (T.P.A.)

02... Circuit Nos (pin numbers), refer to order information.

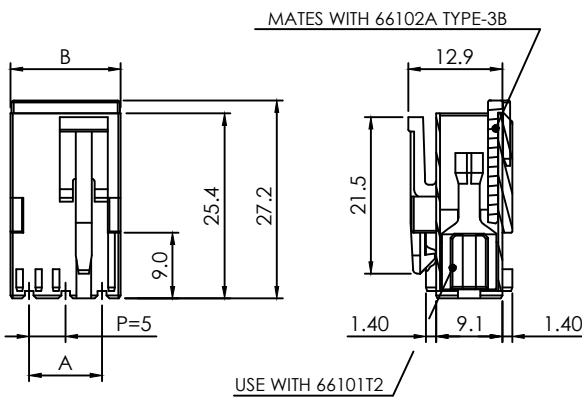
S... Light ivory (natural color), R... red color, B... Black color

E... Blue color

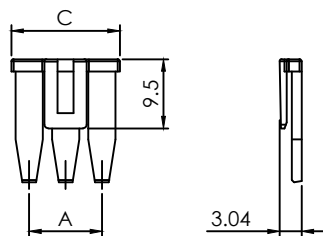
X... Keying No. (See Ordering Info)

※ Full applicable keying type, refer to document no. PL-6610201.

(Keying Specification for RAST 5 Connector of LANDWIN)



66102S Type-3B

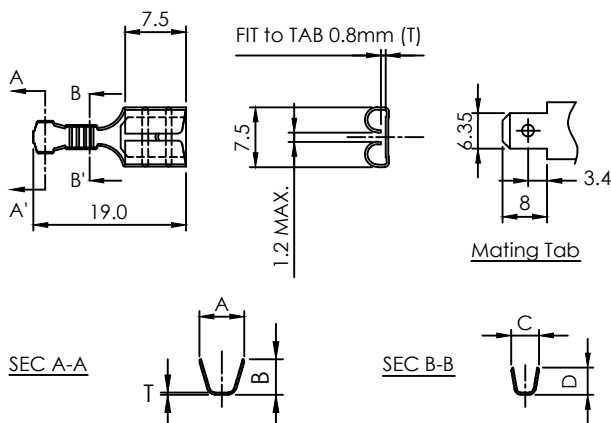
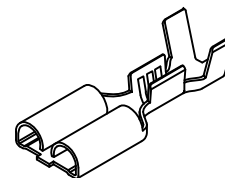


66102A Type-3B

Reference

- ◇ Use with 6611XX and RAST5 series Plug Housing
- ◇ Mates with 3301T, 3302T series 250 TAB type PCB terminal
- ◇ Mates with 66101TM series 250 TAB Crimp Terminal
- ◇ Material: Brass, Matte fin-plated

66101T2 250 TAB-Mate Crimp Terminal (Type -2, Locking with Plastics Plate)



Ordering Information

Part No.	Applicable Wire		Q'ty per Reel
	AWG #	Insulation O.D. mm	
66101T212V	16 - 20	3.2 Max.	5,000
66101T222V	14 - 16	3.8 Max.	5,000

Part No.	A	B	C	D	T
66101T212V	5.2	5.2	3.5	3.5	0.4
66101T222V	5.4	5.4	3.7	3.8	0.4

RAST 5 connector CRIMPING SERIES



TAB 250 Series / 5.0 Pitch Wire-to-Wire Connector



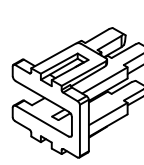
Specifications

- ◇ Current rating: 16A AC, DC Max.
- ◇ Voltage Range: 250V AC, DC
- ◇ Withstand Voltage: 2000V AC/Minute
- ◇ Contact Resistance: 5 mΩ Max. before environment test
- ◇ Insulation Resistance: 5000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

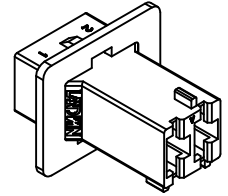
Reference

- ◇ Mates with 66102P Type-N Receptacle Housing, 2-circuits
- ◇ Use with 66101T2 series, 250 TAB-Mate Crimp Terminal
- ◇ GWT 850° C rated product is available
- ◇ Applicable wire gauge: AWG 20 - 14

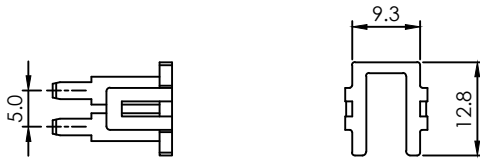
66102A Type -3 Cable Retainer (T.P.A.)
66102S Type -6 Plug Housing, 2-Circuit



66102A Type-3



66102S Type-6



66102A Type-3 Cable Retainer (T.P.A.)

Ordering Information

Part No.	Mating-contact Type	Access-pitch	Circuit No.
66102S0261-S	TAB 250	5.0	2
66102A0231-R	TAB 250	5.0	2

Material

Part	Material / Finish
Housing	Glass-filled Nylon66 94V-0, Light ivory (natural color)
T.P.A.	Glass-filled Nylon66 94V-0, Red color

※ PART NUMBER ASSIGNMENT:

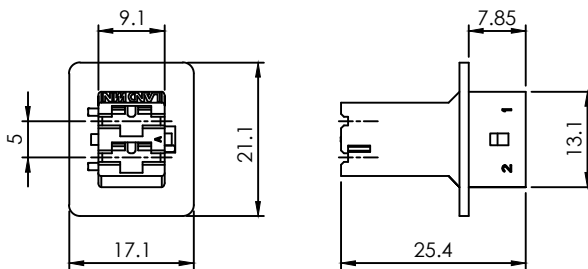
ex. 66102S 02 6 1 - S

ex. 66102A 02 3 1 - R

02... Circuit Nos (pin numbers)

S... Light ivory (natural color), R... red color

※ Full applicable keying type, refer to drawing specification of LANDWIN.

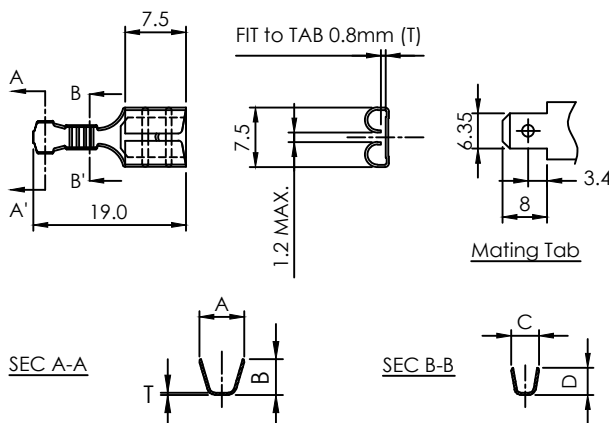
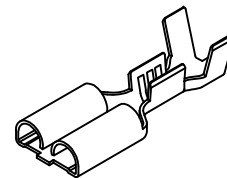


66102S Type-6 Plug Housing, 2-Circuit

Reference

- ◇ Use with 661XX series Plug Housing
- ◇ Mates with 66101TM series 250 TAB Crimp Terminal
- ◇ Material: Brass, fin-plated over nickel

66101T2 250 TAB-Mate Crimp Terminal
(Type -2, Locking with Plastics Plate)



Ordering Information

Part No.	Applicable Wire		Q'ty per Reel
	AWG #	Insulation O.D. mm	
66101T212V	16 - 20	3.2 Max.	5,000
66101T222V	14 - 16	3.8 Max.	5,000

Part No.	A	B	C	D	T
66101T212V	5.2	5.2	3.5	3.5	0.4
66101T222V	5.4	5.4	3.7	3.8	0.4

RAST 5 connector CRIMPING SERIES



TAB 250 Series / 5.0 Pitch Wire-to-Wire Connector



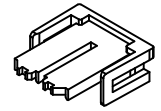
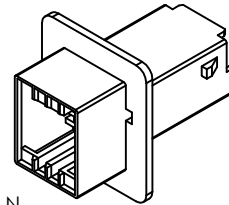
Specifications

- ◇ Current rating: 16A AC, DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 2000V AC/Minute
- ◇ Contact Resistance: 5 mΩ Max. before environment test
- ◇ Insulation Resistance: 5000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

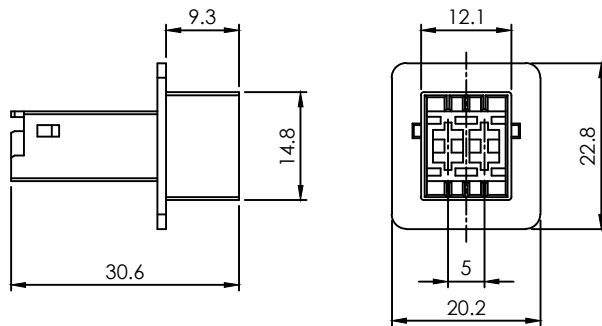
- ◇ Mates with 66102S type-6, Plug Housing, 2-Circuit
- ◇ Use with 66101TM type-3 series, 250 TAB type crimp terminal
- ◇ GWT 850° C rated product is available
- ◇ Applicable wire gauge: AWG 20 - 14

66102P Type -N Receptacle Housing
66102A Type -N Cable Retainer (T.P.A.)



66102P Type-N

66102A Type-N 2P



66102P Type-N Receptacle Housing

Ordering Information

Part No.	Mating-contact Type	Access-pitch	Circuit No.
66102P02N1-SA	250 TAB-Mate	5.0	2
66102A02N1-RA	250 TAB-Mate	5.0	2

Material

Part	Material / Finish
Housing	Glass-filled Nylon66 94V-0, Light ivory (natural color)
T.P.A.	Glass-filled Nylon66 94V-0, Red color

※ PART NUMBER ASSIGNMENT:

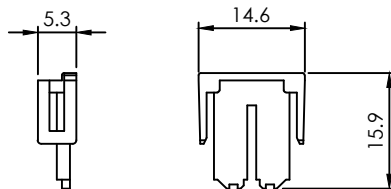
ex. 66102P 02 N 1 - S A

ex. 66102A 02 N 1 - R A

02... Circuit Nos (pin numbers)

S... Light ivory (natural color), R... red color

※ Full applicable keying type, refer to drawing specification of LANDWIN.

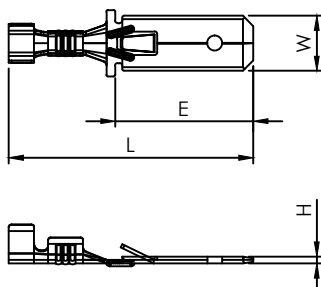
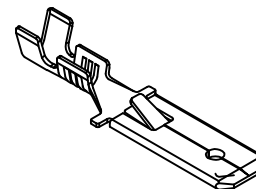


66102A Type-N Cable Retainer (T.P.A.)

Reference

- ◇ Use with 661XX series Receptacle Housing
- ◇ Mates with 66101T series 250 TAB-Mate Crimp Terminal
- ◇ Material: Brass, Tin-plated

66101TM Type 250 TAB Crimp Terminal (Type 3)



Ordering Information

Part No.	Applicable Wire		Q'ty per Reel
	AWG #	Insulation O.D.	
66101TM12R-3	18 - 20	2.8 Max.	5,000
66101TM22R-3	14 - 16	3.8 Max.	4,500

Part No.	H	W	E	L	Max. Current
66101TM12R-3	0.8	6.3	16.1	28.0	14 A
66101TM22R-3	0.8	6.3	16.1	28.0	16 A

RAST 5 connector CRIMPING SERIES



TAB 250 Series / 5.0 Pitch Wire-to-Wire Connector

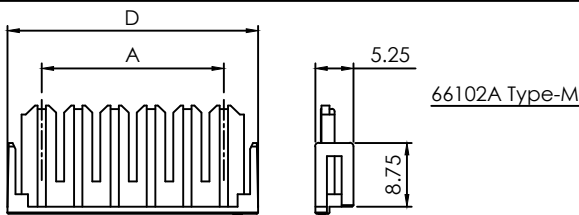
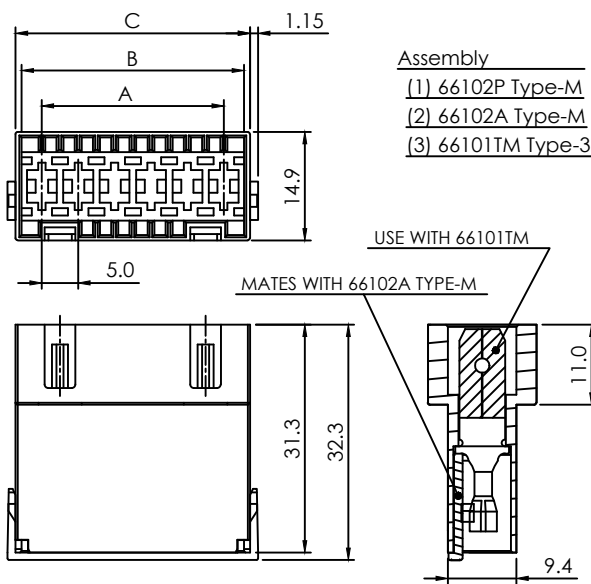


Specifications

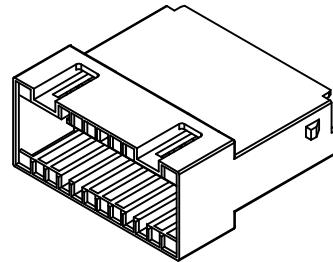
- ◇ Current rating: 16A AC, DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 2000V AC/Minute
- ◇ Contact Resistance: 5 mΩ Max. before environment test
- ◇ Insulation Resistance: 5000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

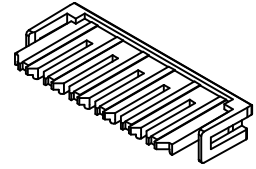
- ◇ Mates with RAST5 Plug Housing
- ◇ Use with 66101TM type-3 series, 250 TAB type crimp terminal
- ◇ GWT 850° C rated product is available
- ◇ Applicable wire gauge: AWG 20 - 14



66102P Type -M Receptacle Housing
66102A Type -M Cable Retainer (T.P.A.)



66102P Type-M



66102A Type-M

Ordering Information

PIN Nos	Part No.		Dimension		
	66102P series Type-M, K7 Keying	66102A series Type-M	A	B	C
6	66102P06 M1-S 7	66102A06 M1-R	25.0	30.6	32.2
6	66102P06 M1-R 8		25.0	30.6	32.2
6	66102P06 M1-B 9		25.0	30.6	32.2

Material

Part	Material / Finish
Housing	Glass-filled Nylon66 94V-0
T.P.A.	Glass-filled Nylon66 94V-0, Red color

※ PART NUMBER ASSIGNMENT:

ex. 66102P 06 M 1 - S 7 (Type-M Receptacle housing)

ex. 66102A 06 M 1 - R (T.P.A.)

06... Circuit Nos (pin numbers), refer to order information.

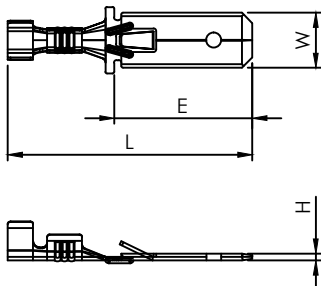
S... Light ivory (natural color), R... Red, B... Black color

7... Keying No. 7

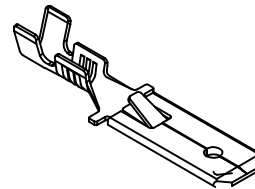
※ Full applicable keying type, refer to drawing specification of LANDWIN.

Reference

- ◇ Use with 661XX and RAST5 series Receptacle Housing
- ◇ Mates with 66101T series 250 TAB-Mate Crimp Terminal
- ◇ Material: Brass, Tin-plated



66101TM Type 250 TAB Crimp Terminal (Type 3)



Ordering Information

Part No.	Applicable Wire		Q'ty per Reel
	AWG #	Insulation O.D.	
66101TM12R-3	18 - 20	2.8 Max.	5,000
66101TM22R-3	14 - 16	3.8 Max.	4,500

Part No.	H	W	E	L	Max. Current
66101TM12R-3	0.8	6.3	16.1	28.0	14 A
66101TM22R-3	0.8	6.3	16.1	28.0	16 A

RAST 5 connector CRIMPING SERIES



TAB 250 Series / 5.0 Pitch Wire-to-Board Connector

RoHS REACH LF HFA

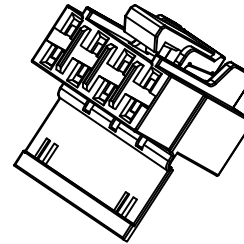
Specifications

- ◇ Current rating: 16A AC, DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 2000V AC/Minute
- ◇ Contact Resistance: 5 mΩ Max. before environment test
- ◇ Insulation Resistance: 5000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Mates with 66102P type-F and type-G header
- ◇ Use with 66102T4 series type-1 crimp terminal
- ◇ Certification: refer to 66102 series
- ◇ Applicable wire gauge: AWG 20 - 11

66102S Type -F Plug Housing



P/N: 66102S04F0-S

Part	Material / Finish
Housing	Nylon 66 94V-0, white (natural color)

※ PART NUMBER ASSIGNMENT:

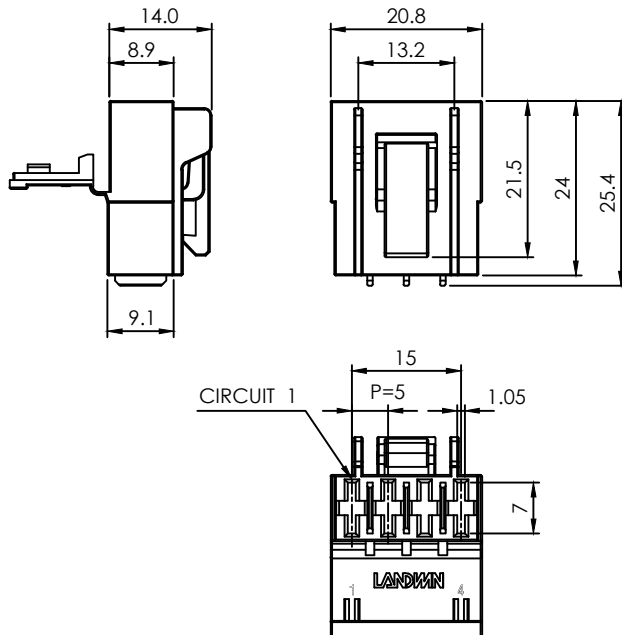
ex. 66102S 04 F X* - S

04... Circuit no.,

X*... Plastics Material no.: 0... Nylon66 94V-0

2... Nylon66 94V-2,

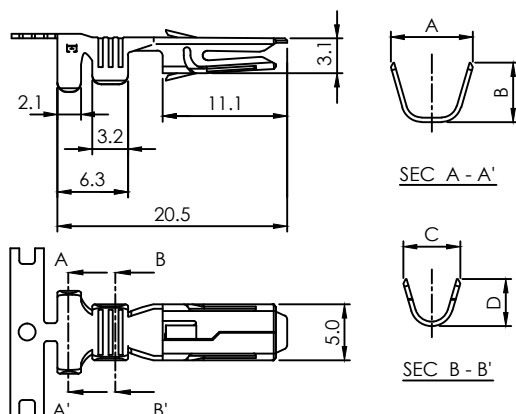
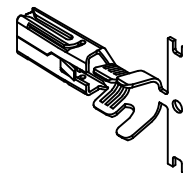
S... white (natural), R... Red, B... Black color



Reference

- ◇ Use with 66102S series type-F Plug Housing
- ◇ Mates with 250 TAB type terminal of 66102P series PCB header
- ◇ Material: Brass, Tin-plated

66102T4 Type -1 Crimp Terminal



Ordering Information

PART NO.	WIRE GAUGE (mm ²)	Insul. O.D.	Dimension				Q'ty / REEL
			A	B	C	D	
66102T412R-1	AWG #20~18 (0.5~1.0)	2.8	4.5	4.5	3.0	3.0	3,000
66102T422R-1	AWG #17~14 (1.0~2.0)	3.8	5.5	5.0	4.1	4.3	2,500
66102T432R-1	AWG #15~13 (2.0~3.0)	4.0	7.2	5.1	5.2	4.0	2,500
66102T442R-1	AWG #12~11 (4.0)	4.3	7.0	6.0	5.0	5.1	2,500

RAST 5 connector CRIMPING SERIES



TAB 250 Series / 5.0 Pitch Wire-to-Board Connector



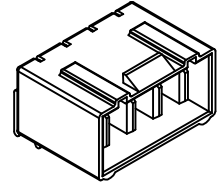
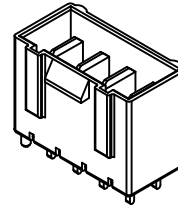
Specifications

- ◇ Current rating: 16A AC, DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 2000V AC/Minute
- ◇ Contact Resistance: 5 mΩ Max. before environment test
- ◇ Insulation Resistance: 5000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Mates with 66102S type-F Connector
- ◇ Certification: refer to 66102 series

66102P Type -F / Type-G Header



66102P Type-F

66102P Type-G

Ordering Information

PIN Nos	Part No.	Mating-connect Type	Dimension	
			A	B
4	66102P04F0T-S	Type - F Straight	15.0	22.2
4	66102P04G0T-S	Type - G Right-angle	15.0	22.2

Material

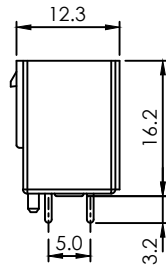
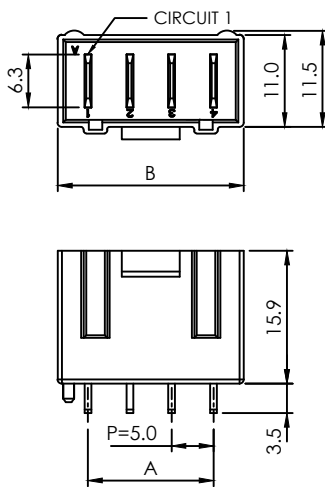
Part	Material / Finish
Base	Nylon 66 94V-0, white (natural color)
Contact	Brass, tin-plated

※ PART NUMBER ASSIGNMENT:

- ex. 66102P 04 F X* X - S (F Type, natural color)
- ex. 66102P 04 G X* X - S (G Type, natural color)
- 04... Circuit Nos (pin numbers), refer to order information.
- X... Plating Selection: T... Tin, V... Matte Tin-plated
- X*... Plastics Material no.: 0... Nylon66 94V-0
2... Nylon66 94V-2
- S... White (natural), R... Red, E... Blue color

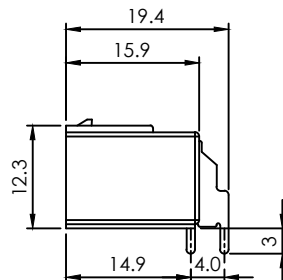
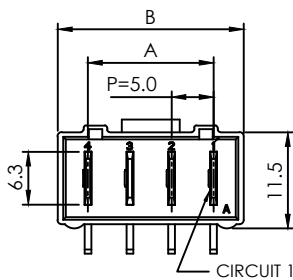
Straight Type

TAB 250 type PCB terminal



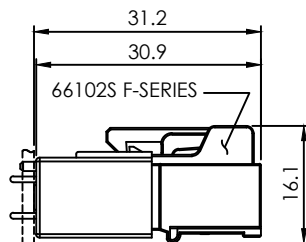
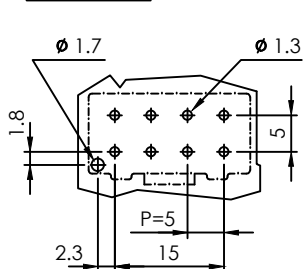
Right-Angle Type

TAB 250 type PCB terminal

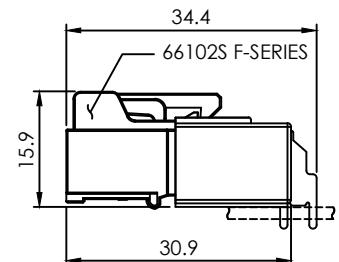
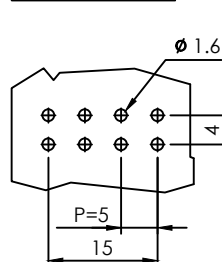


P.C. Board Layout / Assembly Layout

Straight type



Right-angle type



RAST 5 connector CRIMPING SERIES



TAB 250 Series / 5.0 Pitch Wire-to-Board Connector



Specifications

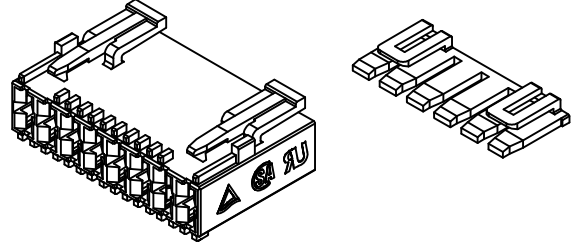
- ◇ Current rating: 14A AC, DC Max.
- ◇ Voltage Range: 250V AC, DC
- ◇ Withstand Voltage: 2000V AC/Minute
- ◇ Contact Resistance: 5 mΩ Max. before environment test
- ◇ Insulation Resistance: 5000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Mates with RAST5 Header and Receptacle Housing
- ◇ Use with 66102A Type-B series T.P.A.
- ◇ Use with 66102T0 series crimp terminal
- ◇ Certification: UL, TUV
- ◇ GWT 850° C rated product is available
- ◇ Applicable wire gauge: AWG 28- 16

66102S Type -B Plug Housing
(Low-insertion series)

66102A Type -B Cable Retainer (T.P.A.)



66102S Type-B Plug Housing

66102A Type-B T.P.A.

Ordering Information

PIN Nos	Part No.		Dimension		
	66102S series Type-B	66102A series Type-B	A	B	C
* 2	66102S02 B1-S A	66102A02B1-R	5.0	10.0	8.7
3	66102S03 B1-S E	66102A03B1-R	10.0	15.0	13.7
* 4	66102S04 B1-S A	66102A04B1-R	15.0	20.0	18.7
* 5	66102S05 B1-S A	66102A05B1-R	20.0	25.0	23.7
* 6	66102S06 B1-S A	66102A06B1-R	25.0	30.0	28.7
* 7	66102S07 B1-S A	66102A07B1-R	30.0	35.0	---
8	66102S08 B1-S 1	66102A08B1-R	35.0	40.0	---
* 9	66102S09 B1-S A	66102A09B1-R	40.0	45.0	---
10	66102S10 B1-S 1	66102A10B1-R	45.0	50.0	---
* 11	66102S11 B1-S A	66102A11B1-R	50.0	55.0	---
* 12	66102S12 B1-S A	66102A12B1-R	55.0	60.0	---

Material

Part	Material / Finish
Housing	Glass-filled Nylon66 94V-0, Light ivory (natural color)
T.P.A.	Glass-filled Nylon66 94V-0, Red color

※ PART NUMBER ASSIGNMENT:

ex. 66102S 03 B 1 - S E (Type-B Plug housing)

ex. 66102A 03 B 1 - R (T.P.A.)

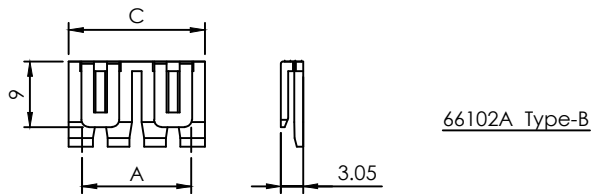
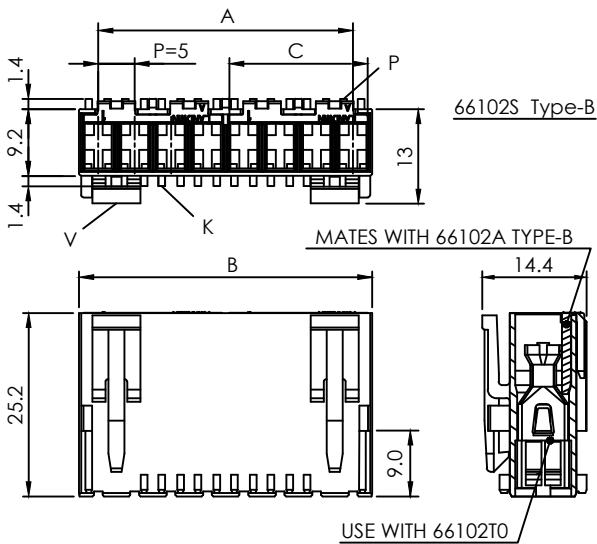
03... Circuit Nos (pin numbers), refer to order information.

E... K-E, A... K-A (Keying No. A), 1.. K-1

※ " UNDER DEVELOPMENT " for product with " * " marked.

※ Full applicable keying type, refer to document no. PL-6610201.

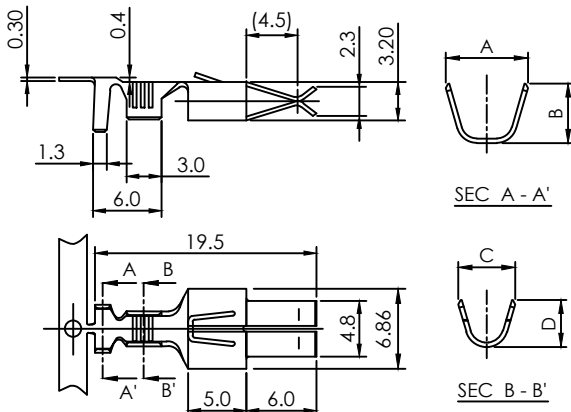
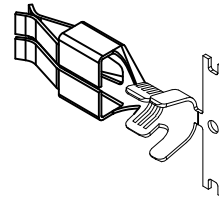
(Keying Specification for RAST 5 Connector of LANDWIN)



Reference

- ◇ Use with 66102S series Type-B Plug Housing
- ◇ Mates with 250 TAB type terminal of 66102P series PCB header
- ◇ Material: Phosphor Bronze, Tin-plated

66102T0 Crimp Terminal



Ordering Information

PART NO.	WIRE GAUGE (mm ²)	Insul. O.D.	Dimension				Q'ty / REEL
			A	B	C	D	
66102T021R	AWG #22~28	2.8	4.1	4.3	2.8	3.1	2,000
66102T011R	AWG #16~20	3.2	4.7	4.8	3.3	3.8	2,000

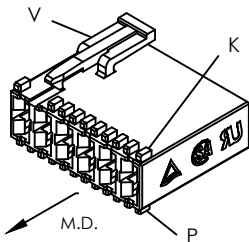
RAST 5 connector CRIMPING SERIES



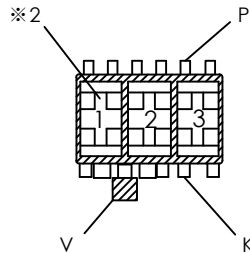
TAB 250 Series / 5.0 Pitch Wire-to-Board Connector



66102S Keying and Lock Layout

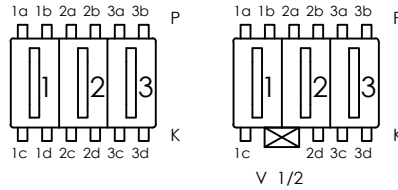


66102S Crimping type



Section A-A'

For this tab header, LANDWIN process the keying listed below. Further keyings are possible on request.



Designation of keying and positioning nose at 66102S connector.

- ※1 Keying by means of keying nose at the 66102S series connector.
- ※2 Matching hole for the terminal at tab header, nominal thickness 0.8 mm.
- ※3 All drawings in view of mating direction (M.D.).

2 2 PORTS	66102S 02 K-2	66102S 02 K-4	66102S 02 K-7	66102S 02 K-8	66102S 02 K-B	66102S 02 K-C
2 2 PORTS	66102S 02 K-E	66102S 02 K-F	66102S 02 K-G	66102S 02 K-H	66102S 02 K-I	66102S 02 K-J
2 2 PORTS	66102S 02 K-K	66102S 02 K-L	66102S 02 K-N	3 3 PORTS	66102S 03 K-3	66102S 03 K-9
3 3 PORTS	66102S 03 K-B	66102S 03 K-C	66102S 03 K-E	66102S 03 K-F	66102S 03 K-G	
8 8 PORTS	66102S 08 K-1		10 10 PORTS	66102S 10 K-1		
<p>P ... 7b, 8a K ... 2d, 3c, 6d, 7c V ... 1/2, 7/8 Product Type (PD-Type) ... B</p>		<p>□ Full applicable keying type, please refer to document no. PL-6610201. (Keying specification for RAST 5 connector of LANDWIN)</p>		<p>P ... 9b K ... 3d, 4c, 7d, 8c V ... 1/2, 7/8 Product Type (PD-Type) ... B</p>		

RAST 5 connector 66102 SERIES



TAB 250 Series / 5.0 Pitch Wire-to-Board Connector



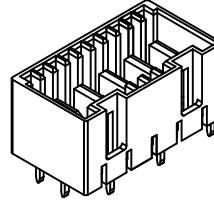
Specifications

- ◇ Current rating: 16A AC, DC Max.
- ◇ Voltage Range: 250V AC, DC
- ◇ Withstand Voltage: 2000V AC/Minute
- ◇ Contact Resistance: 5 mΩ Max. before environment test
- ◇ Insulation Resistance: 5000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

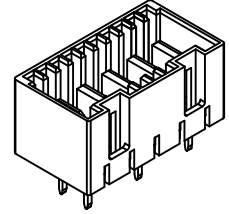
Reference

- ◇ Mates with 66102S type-2 series Plug Housing
- ◇ Certification: Refer to 66102S series
- ◇ GWT 850° C rated product is available

66102P RAST 5 Header, Straight Type (Type 1, Type 2)

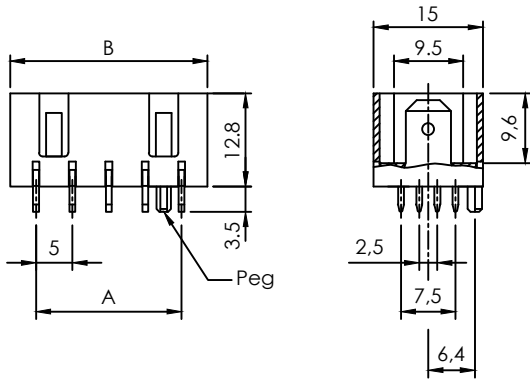
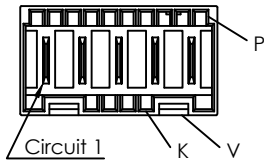


(TYPE - 1)



(TYPE - 2)

Straight Type-1, Type-2



Ordering Information

PIN Nos	Part No. Type -1 PCB Layout	Dimension	
		A	B
2	66102P02 11V-S A1	5.0	12.2
3	66102P03 11V-S A1	10.0	17.2
4	66102P04 11V-S A1	15.0	22.2
5	66102P05 11V-S A1	20.0	27.2
6	66102P06 11V-S A1	25.0	32.2
7	66102P07 11V-S A1	30.0	37.2
8	66102P08 11V-S A1	35.0	42.2
9	66102P09 11V-S A1	40.0	47.2
10	66102P10 11V-S A1	45.0	52.2
11	66102P11 11V-S A1	50.0	57.2
12	66102P12 11V-S A1	55.0	62.2

Ordering Information

PIN Nos	Part No. Type-2 PCB Layout	Dimension	
		A	B
2	66102P02 2 1V-S A1	5.0	12.2
12	66102P02 2 1V-S A1	55.0	62.2

Material

Part	Material / Finish
Base	Glass-filled Nylon66 94V-0, Light ivory (natural color)
Contact	Brass, Matte tin-plated

※ PART NUMBER ASSIGNMENT:

ex. 66102P 02 1 1 X - S A 1 (Type -1 PCB Layout)

ex. 66102P 02 2 1 X - S A 1 (Type -2 PCB Layout)

02... Circuit Nos (pin numbers)

1... Type -1 PCB Layout, 2... Type -2 PCB Layout

X... Plating Selection: V... Matte tin-plated

S... Light ivory (natural color), R... Red, B... Black color

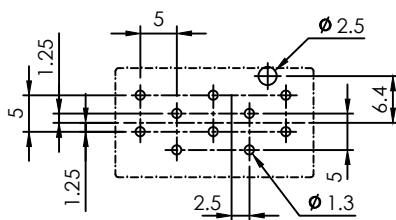
A... K-A (Keying No. A)

※ P... Positioning gap, K... Keying gap position, V... Lock position

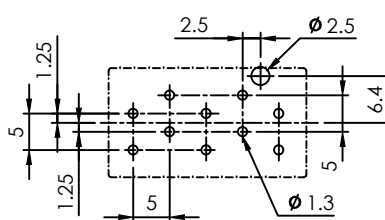
※ Full applicable keying type, refer to document no. PL-6610202.
(Keying Specification for RAST 5 Header of LANDWIN)

P.C. Board Layout

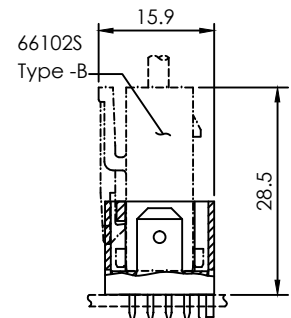
PCB Layout (Type -1)



PCB Layout (Type -2)



Note: View on component side



Assembly View

RAST 5 connector 66102 SERIES



TAB 250 Series / 5.0 Pitch Wire-to-Board Connector



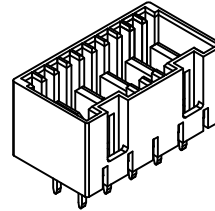
Specifications

- ◇ Current rating: 16A AC, DC Max.
- ◇ Voltage Range: 250V AC, DC
- ◇ Withstand Voltage: 2000V AC/Minute
- ◇ Contact Resistance: 5 mΩ Max. before environment test
- ◇ Insulation Resistance: 5000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

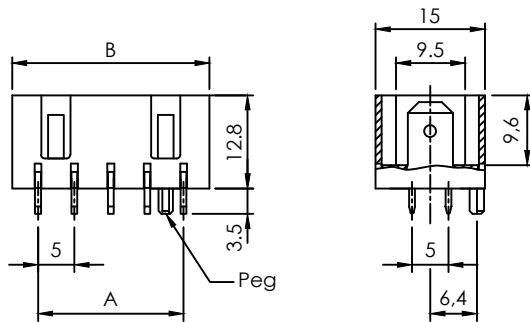
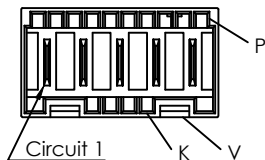
Reference

- ◇ Mates with 66102S type-2 series Plug Housing
- ◇ Certification: Refer to 66102S series
- ◇ GWT 850° C rated product is available

66102P RAST 5 Header, Straight Type (Type 3)



Straight Type-3
Type-3 PCB Layout



Ordering Information

PIN Nos	Part No.	Dimension	
		A	B
2	66102P02 31V-S A1	5.0	12.2
3	66102P03 31V-S A1	10.0	17.2
4	66102P04 31V-S 61	15.0	22.2
5	66102P05 31V-S A1	20.0	27.2
6	66102P06 31V-S A1	25.0	32.2
7	66102P07 31V-S A1	30.0	37.2
8	66102P08 31V-S A1	35.0	42.2
9	66102P09 31V-S A1	40.0	47.2
10	66102P10 31V-S A1	45.0	52.2
11	66102P11 31V-S A1	50.0	57.2
12	66102P12 31V-S A1	55.0	62.2

Material

Part	Material / Finish
Base	Glass-filled Nylon66 94V-0, Light ivory (natural color)
Contact	Brass, Matte fin-plated

※ PART NUMBER ASSIGNMENT:

ex. 66102P 04 3 1 X - S 6 1 (Type - 3)

04... Circuit Nos (pin numbers)

3... Type -3 PCB Layout

X... Plating Selection: V... Matte fin-plated

S... Light ivory (natural color), R... Red, B... Black color

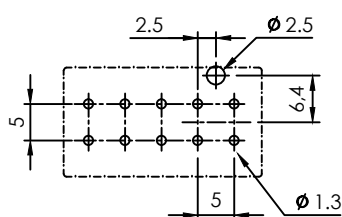
6... K-6, A... K-A (Keying No. A)

※ P... Positioning gap, K... Keying gap position, V... Lock position

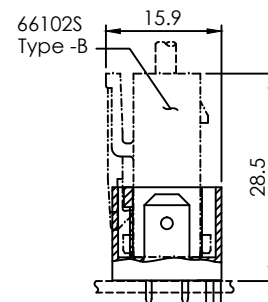
※ Full applicable keying type, refer to document no. PL-6610202.
(Keying Specification for RAST 5 Header of LANDWIN)

P.C. Board Layout

PCB Layout (Type 3)



Note: View on component side



Assembly View

RAST 5 connector 66102 SERIES



TAB 250 Series / 5.0 Pitch Wire-to-Board Connector



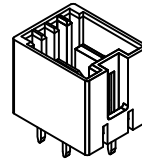
Specifications

- ◇ Current rating: 16A AC, DC Max.
- ◇ Voltage Range: 250V AC, DC
- ◇ Withstand Voltage: 2000V AC/Minute
- ◇ Contact Resistance: 5 mΩ Max. before environment test
- ◇ Insulation Resistance: 5000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

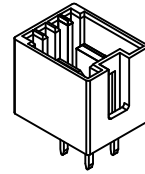
Reference

- ◇ Mates with 66102S type-2 series Plug Housing
- ◇ Certification: Refer to 66102S series
- ◇ GWT 850° C rated product is available

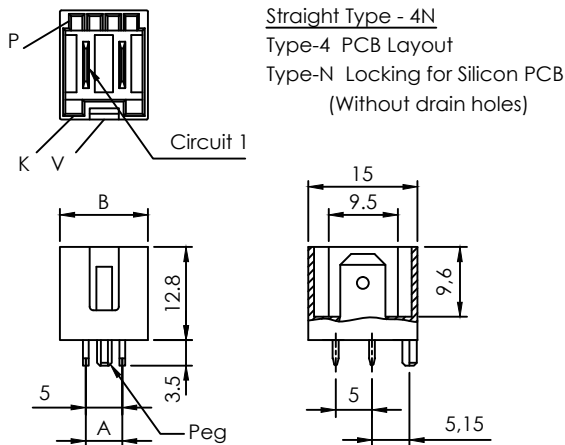
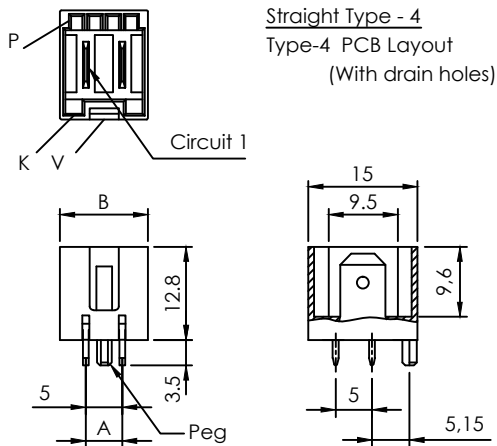
66102P RAST 5 Header, Straight Type (Type 4, 4N)



(TYPE - 4)



(TYPE - 4N)



Ordering Information

PIN Nos	Part No.	Dimension	
		A	B
2	66102P02 41V-S A1	5.0	12.2
3	66102P03 41V-S A1	10.0	17.2
4	66102P04 41V-S A1	15.0	22.2
5	66102P05 31V-S A1	20.0	27.2
6	66102P06 31V-S 61	25.0	32.2
7	66102P07 31V-S A1	30.0	37.2
8	66102P08 31V-S A1	35.0	42.2
9	66102P09 31V-S A1	40.0	47.2
10	66102P10 31V-S A1	45.0	52.2
11	66102P11 31V-S A1	50.0	57.2
12	66102P12 31V-S A1	55.0	62.2

PIN Nos	Part No.	Dimension	
		A	B
2	66102P02 4N1V-S A1	5.0	12.2

Material

Part	Material / Finish
Base	Glass-filled Nylon66 94V-0, Light ivory (natural color)
Contact	Brass, Matte tin-plated

※ PART NUMBER ASSIGNMENT:

- ex. 66102P 02 4 1 X - S A 1 (Type-4)
- ex. 66102P 02 4N 1 X - S A 1 (Type-4N)

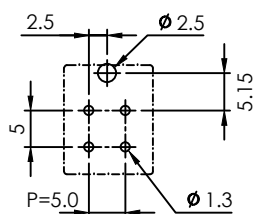
- 02... Circuit Nos (pin numbers)
- 4N... Type-4N (N=Without drain holes for silicon PCB)
- X... Plating Selection: V... Matte tin-plated
- S... Light ivory (natural color), R... Red, B... Black color
- A... K-A (Keying No. A)

※ Full applicable keying type, refer to document no. PL-6610202.
(Keying Specification for RAST 5 Header of LANDWIN)

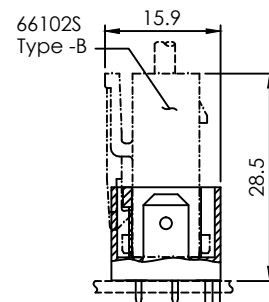
※ P... Positioning gap, K... Keying gap position, V... Lock position

P.C. Board Layout

PCB Layout (Type 4)



Note: View on component side



Assembly View

RAST 5 connector 66102 SERIES



TAB 250 Series / 5.0 Pitch Wire-to-Board Connector



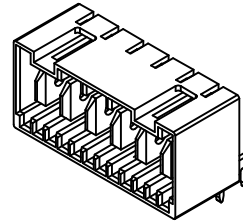
■ Specifications

- ◇ Current rating: 16A AC, DC Max.
- ◇ Voltage Range: 250V AC, DC
- ◇ Withstand Voltage: 2000V AC/Minute
- ◇ Contact Resistance: 5 mΩ Max. before environment test
- ◇ Insulation Resistance: 5000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

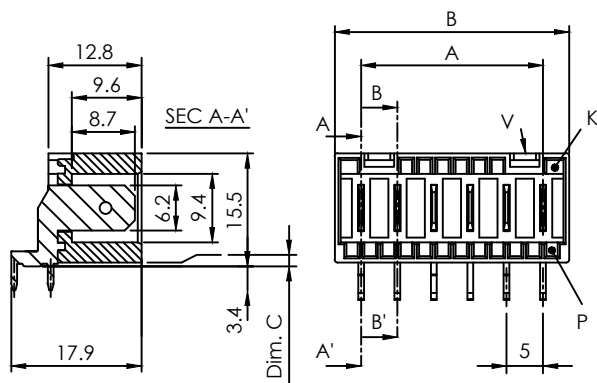
■ Reference

- ◇ Mates with 66102S type-2 series Plug Housing
- ◇ Certification: Refer to 66102S series
- ◇ GWT 850° C rated product is available

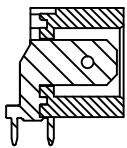
66102P RAST 5 Right-angle Header Low-profile (Type J)



Type - J (Lock on Top, Dim C = 0.5)



SECTION A - A'



SECTION B - B'

Ordering Information

PIN Nos	Part No. (Type-J) Type -1 PCB Layout	Dimension	
		A	B
2	66102P02 J 1V-S A1	5.0	12.2
3	66102P03 J 1V-S A1	10.0	17.2
4	66102P04 J 1V-S A1	15.0	22.2
5	66102P05 J 1V-S A1	20.0	27.2
6	66102P06 J 1V-S A1	25.0	32.2
7	66102P07 J 1V-S A1	30.0	37.2
8	66102P08 J 1V-S A1	35.0	42.2
9	66102P09 J 1V-S A1	40.0	47.2
10	66102P10 J 1V-S A1	45.0	52.2
11	66102P11 J 1V-S A1	50.0	57.2
12	66102P12 J 1V-S A1	55.0	62.2

Material

Part	Material / Finish
Base	Glass-filled Nylon66 94V-0, Light ivory (natural color)
Contact	Brass, Matte tin-plated

※ PART NUMBER ASSIGNMENT:

ex. 66102P 04 J 1 X - S A 1 (Type J, PCB Layout-1)

ex. 66102P 04 J 1 X - S A 2 (Type J, PCB Layout-2)

04... Circuit Nos (pin numbers), refer to order information.

X... Plating Selection: V... Matte tin-plated

S... Light ivory (natural color), R... Red, B... Black color

A... K-A (Keying No. A)

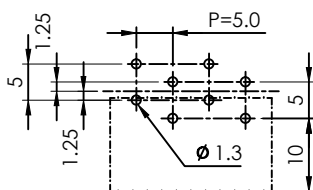
1... Type-1 (PCB Layout), 2... Type-2 (PCB Layout)

※ P... Positioning gap, K... Keying gap, V... Lock position

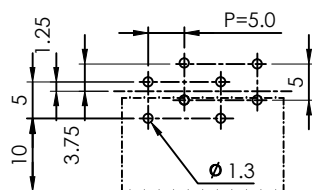
※ Full applicable keying type, refer to document no. PL-6610202.
(Keying Specification for RAST 5 Header of LANDWIN)

P.C. Board Layout

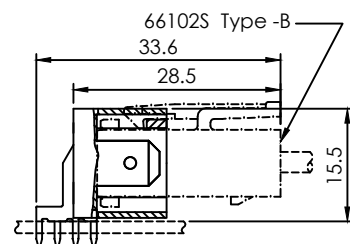
PCB Layout (Type - 1)



PCB Layout (Type - 2)



Note: View on component side



Assembly View

RAST 5 connector 66102 SERIES



TAB 250 Series / 5.0 Pitch Wire-to-Board Connector



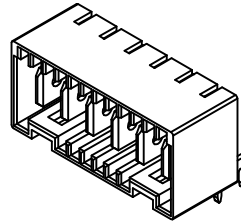
Specifications

- ◇ Current rating: 16A AC, DC Max.
- ◇ Voltage Range: 250V AC, DC
- ◇ Withstand Voltage: 2000V AC/Minute
- ◇ Contact Resistance: 5 mΩ Max. before environment test
- ◇ Insulation Resistance: 5000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

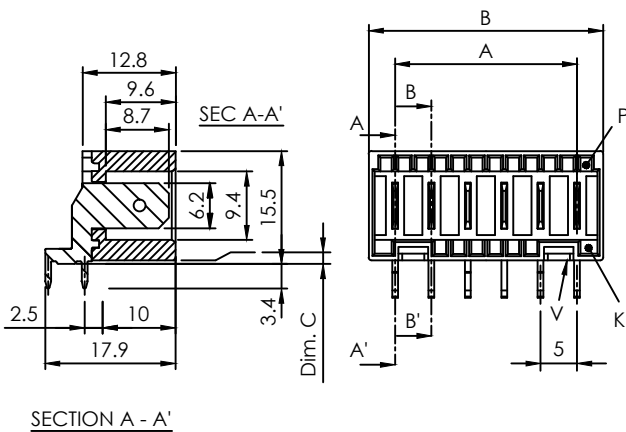
- ◇ Mates with 66102S type-2 series Plug Housing
- ◇ Certification: Refer to 66102S series
- ◇ GWT 850° C rated product is available

66102P RAST 5 Right-angle Header Low-profile (Type JB)



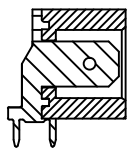
66102P Right-angle, Low-Profile, Bottom-Lock (Type-JB)

Type - JB (Bottom Lock, Dim C = 0.5)



SECTION A - A'

SECTION B - B'



※ P... Positioning gap, K... Keying gap, V... Lock position

Ordering Information

PIN Nos	Part No. (Type-JB) Type -1 PCB Layout	Dimension	
		A	B
2	66102P02 JB 1V-S A1	5.0	12.2
3	66102P03 JB 1V-S A1	10.0	17.2
4	66102P04 JB 1V-S A1	15.0	22.2
5	66102P05 JB 1V-S A1	20.0	27.2
6	66102P06 JB 1V-S A1	25.0	32.2
7	66102P07 JB 1V-S A1	30.0	37.2
8	66102P08 JB 1V-S A1	35.0	42.2
9	66102P09 JB 1V-S A1	40.0	47.2
10	66102P10 JB 1V-S A1	45.0	52.2
11	66102P11 JB 1V-S A1	50.0	57.2
12	66102P12 JB 1V-S A1	55.0	62.2

Material

Part	Material / Finish
Base	Glass-filled Nylon66 94V-0, Light ivory (natural color)
Contact	Brass, Matte tin-plated

※ PART NUMBER ASSIGNMENT:

ex. 66102P 04 JB 1 X - S A 1 (Type JB, PCB Layout-1)

ex. 66102P 04 JB 1 X - S A 2 (Type JB, PCB Layout-2)

04... Circuit Nos (pin numbers), refer to order information.

X... Plating Selection: V... Matte tin-plated

S... Light ivory (natural color), R... Red, B... Black color

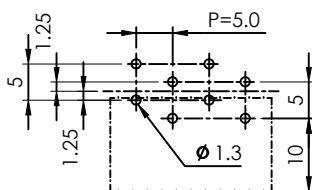
A... K-A (Keying No. A)

1... Type-1 (PCB Layout), 2... Type-2 (PCB Layout)

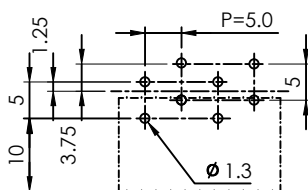
※ Full applicable keying type, refer to document no. PL-6610202.
(Keying Specification for RAST 5 Header of LANDWIN)

P.C. Board Layout

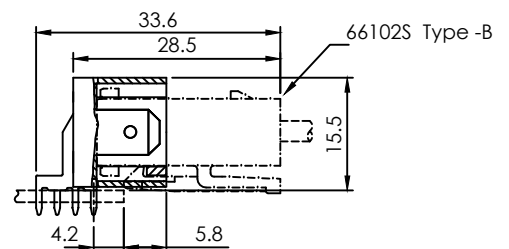
PCB Layout (Type - 1)



PCB Layout (Type - 2)



Note: View on component side



Assembly View

RAST 5 connector 66102 SERIES



TAB 250 Series / 5.0 Pitch Wire-to-Board Connector



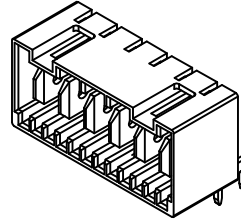
Specifications

- ◇ Current rating: 16A AC, DC Max.
- ◇ Voltage Range: 250V AC, DC
- ◇ Withstand Voltage: 2000V AC/Minute
- ◇ Contact Resistance: 5 mΩ Max. before environment test
- ◇ Insulation Resistance: 5000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

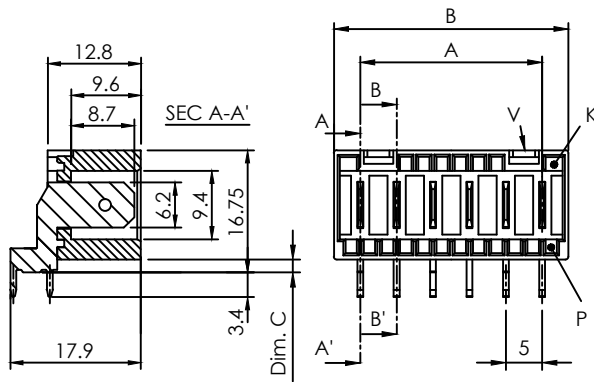
Reference

- ◇ Mates with 66102S type-2 series Plug Housing
- ◇ Certification: Refer to 66102S series
- ◇ GWT 850° C rated product is available

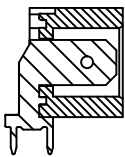
66102P RAST 5 Right-angle Header High-profile (Type H)



Type - H (Lock on Top, Dim C = 1.75)



SECTION A - A'



SECTION B - B'

Ordering Information

PIN Nos	Part No. (Type-H) Type -1 PCB Layout	Dimension	
		A	B
2	66102P02 H 1V-S A1	5.0	12.2
3	66102P03 H 1V-S A1	10.0	17.2
4	66102P04 H 1V-S A1	15.0	22.2
5	66102P05 H 1V-S A1	20.0	27.2
6	66102P06 H 1V-S A1	25.0	32.2
7	66102P07 H 1V-S A1	30.0	37.2
8	66102P08 H 1V-S A1	35.0	42.2
9	66102P09 H 1V-S A1	40.0	47.2
10	66102P10 H 1V-S A1	45.0	52.2
11	66102P11 H 1V-S A1	50.0	57.2
12	66102P12 H 1V-S A1	55.0	62.2

Material

Part	Material / Finish
Base	Glass-filled Nylon66 94V-0, Light ivory (natural color)
Contact	Brass, Matte tin-plated

※ PART NUMBER ASSIGNMENT:

ex. 66102P 04 H 1 X - S A 1 (Type H, PCB Layout-1)

ex. 66102P 04 H 1 X - S A 2 (Type H, PCB Layout-2)

04... Circuit Nos (pin numbers), refer to order information.

X... Plating Selection: V... Matte tin-plated

S... Light ivory (natural color), R... Red, B... Black color

A... K-A (Keying No. A)

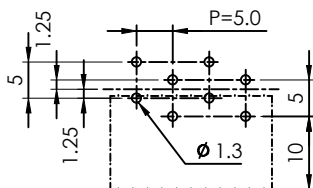
1... Type -1 (PCB Layout), 2... Type -2 (PCB Layout)

※ P... Positioning gap, K... Keying gap, V... Lock position

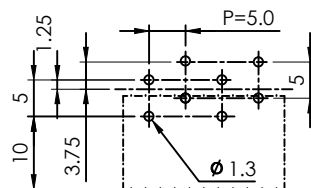
※ Full applicable keying type, refer to document no. PL-6610202.
(Keying Specification for RAST 5 Header of LANDWIN)

P.C. Board Layout

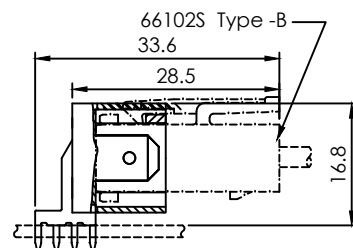
PCB Layout (Type - 1)



PCB Layout (Type - 2)



Note: View on component side



Assembly View

RAST 5 connector 66102 SERIES



TAB 250 Series / 5.0 Pitch Wire-to-Board Connector



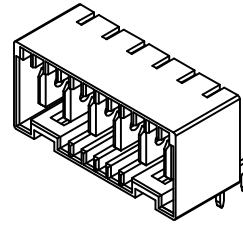
Specifications

- ◇ Current rating: 16A AC, DC Max.
- ◇ Voltage Range: 250V AC, DC
- ◇ Withstand Voltage: 2000V AC/Minute
- ◇ Contact Resistance: 5 mΩ Max. before environment test
- ◇ Insulation Resistance: 5000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

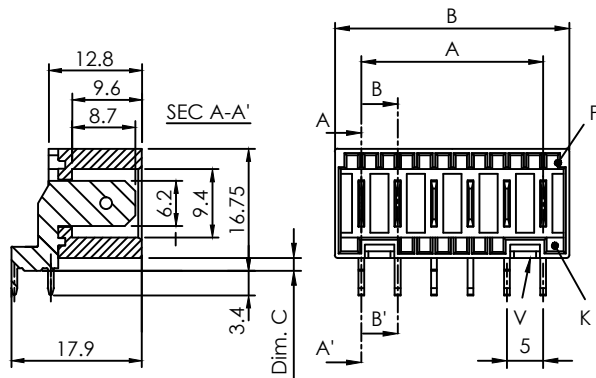
- ◇ Mates with 66102S type-2 series Plug Housing
- ◇ Certification: Refer to 66102S series
- ◇ GWT 850° C rated product is available

66102P RAST 5 Right-angle Header High-profile (Type HB)

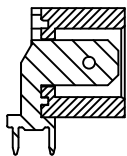


66102P Right-angle, High-Profile, Bottom-Lock (Type-HB)

Type - HB (Bottom Lock, Dim C = 1.75)



SECTION A - A'



SECTION B - B'

Ordering Information

PIN Nos	Part No. (Type-HB) Type -1 PCB Layout	Dimension	
		A	B
2	66102P02 HB 1V-S A1	5.0	12.2
3	66102P03 HB 1V-S A1	10.0	17.2
4	66102P04 HB 1V-S A1	15.0	22.2
5	66102P05 HB 1V-S A1	20.0	27.2
6	66102P06 HB 1V-S A1	25.0	32.2
7	66102P07 HB 1V-S A1	30.0	37.2
8	66102P08 HB 1V-S A1	35.0	42.2
9	66102P09 HB 1V-S A1	40.0	47.2
10	66102P10 HB 1V-S A1	45.0	52.2
11	66102P11 HB 1V-S A1	50.0	57.2
12	66102P12 HB 1V-S A1	55.0	62.2

Material

Part	Material / Finish
Base	Glass-filled Nylon66 94V-0, Light ivory (natural color)
Contact	Brass, Matte tin-plated

※ PART NUMBER ASSIGNMENT:

ex. 66102P 04 HB 1 X - S A 1 (Type HB, PCB Layout-1)

ex. 66102P 04 HB 1 X - S A 2 (Type HB, PCB Layout-2)

04... Circuit Nos (pin numbers), refer to order information.

X... Plating Selection: V... Matte tin-plated

S... Light ivory (natural color), R... Red, B... Black color

A... K-A (Keying No. A)

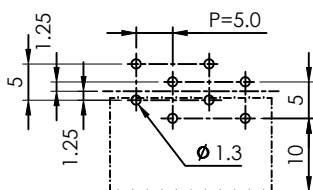
1... Type -1 (PCB Layout), 2... Type -2 (PCB Layout)

※ P... Positioning gap, K... Keying gap, V... Lock position

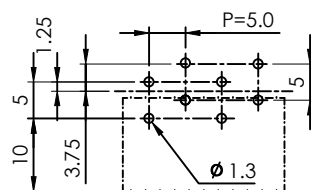
※ Full applicable keying type, refer to document no. PL-6610202.
(Keying Specification for RAST 5 Header of LANDWIN)

P.C. Board Layout

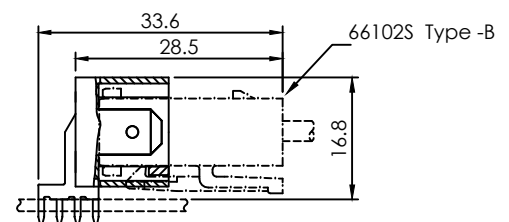
PCB Layout (Type - 1)



PCB Layout (Type - 2)



Note: View on component side



Assembly View

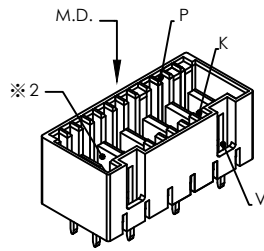
RAST 5 connector 66102 SERIES



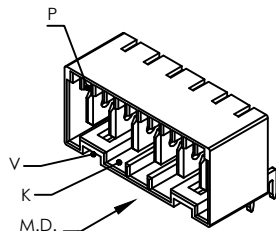
TAB 250 Series / 5.0 Pitch Wire-to-Board Connector



66102P Keying and Lock Layout

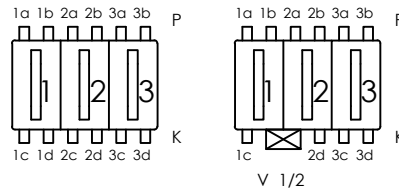


66102P Straight type



66102P Right-angle type

For this tab header, LANDWIN process the keying listed below. Further keyings are possible on request.



Designation of keying and positioning gap.

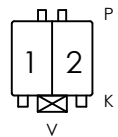
- ※ Keying by means of matching gaps at the tab header.
- ※ 2 Terminal at tab header, nominal thickness 0.8 mm.
- ※ 3 All drawings in view of mating direction (M.D.).

2

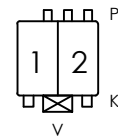
2 PORTS

66102P 02 K-2 (Keying No. 2)

66102P 02 K-M



P ... 1b, 2a
K ... 1c, 2d
V ... 1/2
PD-Type ... 1, 2, 3, 4, H, HB, J, JB

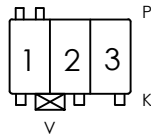


P ... 1b, 2a, 2b
K ... 1c, 2d
V ... 1/2
Product Type (PD-Type) ... H1B

3

3 PORTS

66102P 03 K-1

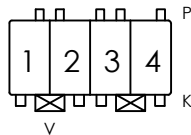


P ... 1a, 1b
K ... 1c, 2d, 3d
V ... 1/2
PD-Type ... N/A

4

4 PORTS

66102P 04 K-6

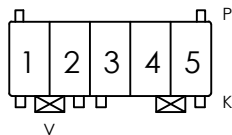


P ... 1b, 2a, 3a, 3b, 4b
K ... 1c, 2d, 3c, 4d
V ... 1/2, 3/4
PD-Type ... 1, 2, 3, 4, H, HB, J, JB

5

5 PORTS

66102P 05 K-3

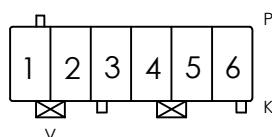


P ... 1a, 5b
K ... 1c, 2d, 3c, 5d
V ... 1/2, 4/5
PD-Type ... 1, 2, 3, 4, H, HB, J, JB

6

6 PORTS

66102P 06 K-4



P ... 1b
K ... 3c, 6d
V ... 1/2, 4/5
PD-Type ... 1, 2, 3, 4, H, HB, J, JB

□ Full applicable keying type, please refer to document no. PL-6610202. (Keying specification for RAST 5 header of LANDWIN.

RAST 5 connector 66102 SERIES



TAB 250 Series / 5.0 Pitch Wire-to-Wire Connector

RoHS REACH LF HFA GWT

66102P Keying and Lock Layout

6

6 PORTS

66102P 06 K-7	66102P 06 K-8	66102P 06 K-9
<p>P ... 1a, 2b, 5b K ... 1c, 6d V ... 1/2, 5/6 Product Type (PD-Type) ... M</p>	<p>P ... 1b, 2a, 5a K ... 1c, 2d, 4d, 5c, 6d V ... 1/2, 5/6 Product Type (PD-Type) ... M</p>	<p>P ... 2b, 3a, 5a, 5b K ... 2d, 4c V ... 1/2, 5/6 Product Type (PD-Type) ... M</p>

- Full applicable keying type, please refer to document no. PL-6610202. (Keying specification for RAST 5 header of LANDWIN.

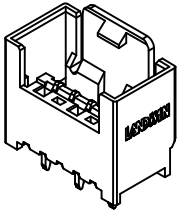
RAST 2.5 Connector 2630 SERIES



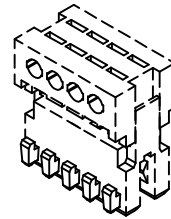
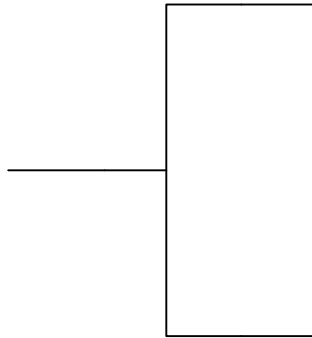
Application Overview - Wire to Board

RoHS REACH LF HFA

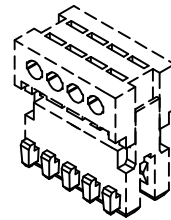
RAST 2.5 Wire-to-Board Series



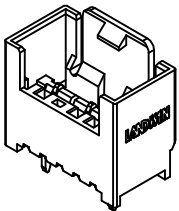
2630P RAST2.5 Header,
Straight Type (TYPE E)



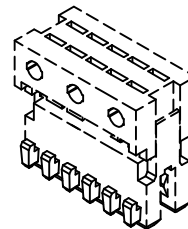
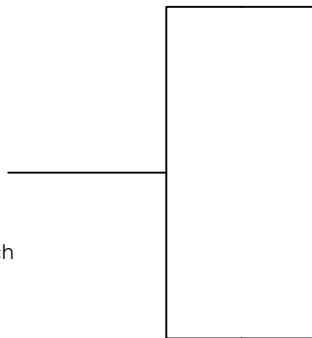
2630R IDC CONNECTOR
(UNDER DEVELOPMENT)



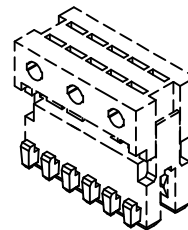
2630R CRIMPING CONNECTOR
(UNDER DEVELOPMENT)



2630P RAST2.5 Header, 5.0 mm Pitch
Straight Type (TYPE F)



2630R IDC CONNECTOR
(UNDER DEVELOPMENT)



2630R CRIMPING CONNECTOR
(UNDER DEVELOPMENT)

RAST 2.5 connector 2630 SERIES



RAST2.5 Series / 2.5 mm Pitch Wire-to-Board Connector



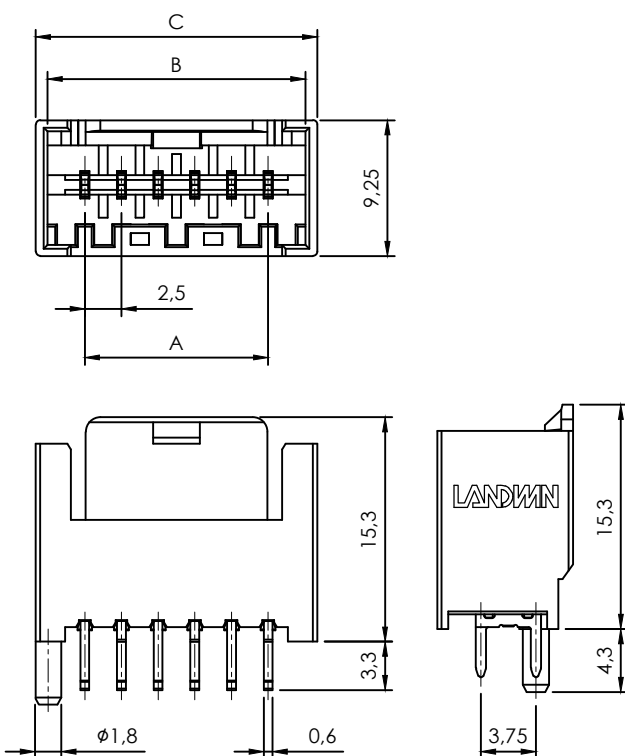
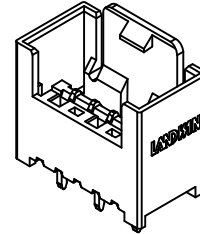
Specifications

- ◇ Current rating: 4A AC, DC Max.
- ◇ Voltage Range: 32V AC,DC
- ◇ Withstand Voltage: 1000V AC/Minute
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Mates with RAST 2.5 connector.
- ◇ Certification: Refer to 2630P series
- ◇ GWT 850° C rated product is available

2630P RAST2.5 Header, Straight Type (Type E)



Ordering Information

PIN Nos	Part No. (RAST 2.5 Type-E Type-1 PCB Layout)	Dimension		
		A	B	C
3	2630P03221T-SE02	5.00	10.1	11.7
4	2630P04221T-SE02	7.50	12.6	14.2
5	2630P05221T-SE0A	10.00	15.1	16.7
6	2630P06221T-SE0A	12.50	17.6	19.2
7	2630P07221T-SE0A	15.00	20.1	21.7
* 8	2630P08221T-SE0A	17.50	22.6	24.2
* 9	2630P09221T-SE0A	20.00	25.1	26.7
* 10	2630P10221T-SE0A	22.50	27.6	29.2
* 11	2630P11221T-SE0A	25.00	30.1	31.7
* 12	2630P12221T-SE0A	27.50	32.6	34.2
13	2630P13221T-SE0A	30.00	35.1	36.7
* 14	2630P14221T-SE0A	32.50	37.6	39.2
* 15	2630P15221T-SE0A	35.00	40.1	41.7

Material

Part	Material / Finish
Base	Glass-filled Nylon66 94V-0, Light ivory (natural color)
Contact	Brass, Tin-plated

※ PART NUMBER ASSIGNMENT:

ex. 2630P 03 22 1 X - S E 02 (Type-1 PCB Layout)

03... Circuit Nos (pin numbers)

X... Plating Selection: T... Tin-plated

S... Light ivory (natural color), R... Red, B... Black color

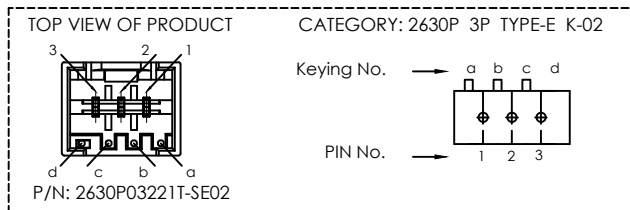
E... RAST 2.5 / 2.5 mm Pitch

02... K-02, 0A... K-A (Keying No. A)

※ " UNDER DEVELOPMENT " for Circuit No. with "*" marked.

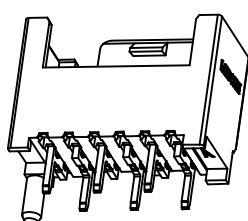
※ Full applicable keying type, refer to document no. PL-263001.

(Keying Specification for RAST 2.5 Header of LANDWIN)

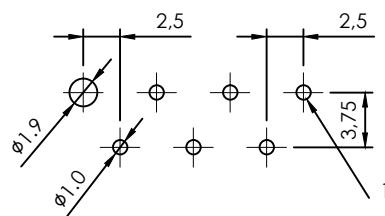


P.C. Board Layout

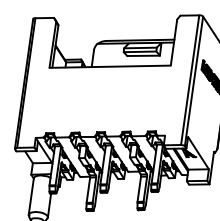
(EVEN CIRCUITS)



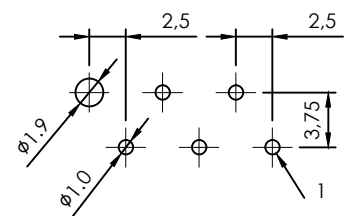
(6P)



(ODD CIRCUITS)



(5P)



RAST 2.5 connector 2630 SERIES



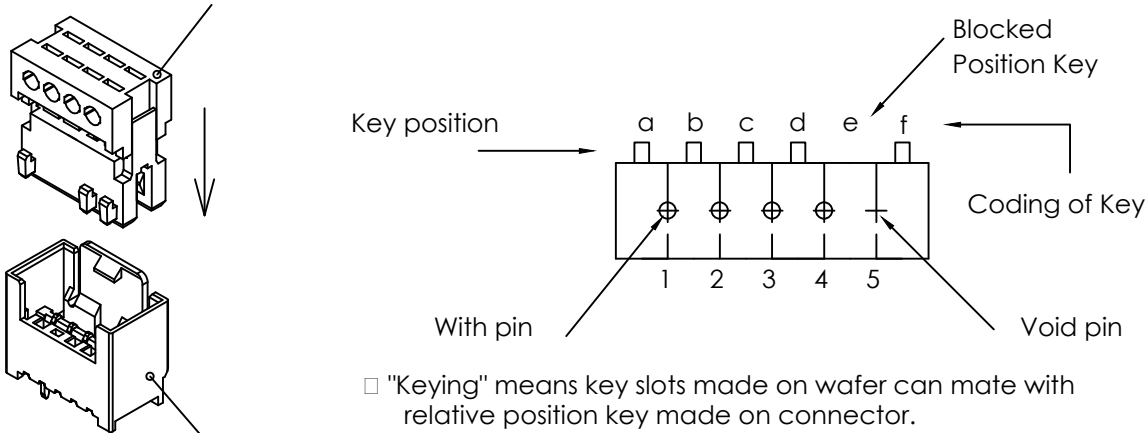
RAST2.5 Series / 2.5 mm Pitch Wire-to-Board Connector



2630P (Type E) Keying, Lock Layout

IDC Connector / 2630R
(Crimp type connector)

This wafer product is planned to provide listed product, for other required application. Please contact sale for discussion.



CQ2630P Header Type -E (Pitch 2.5 mm)

3

3 PORTS

2630P 3P TYPE -E K-0A	2630P 3P TYPE -E K-02	2630P 3P TYPE -E K-03	2630P 3P TYPE -E K-04
P/N: <u>2630P03221T-SE0A</u>	P/N: <u>2630P03221T-SE02</u>	P/N: <u>2630P03221T-SE03</u>	P/N: <u>2630P03221T-SE04</u>

4

4 PORTS

2630P 4P TYPE -E K-0A	2630P 4P TYPE -E K-02
P/N: <u>2630P04221T-SE0A</u>	P/N: <u>2630P04221T-SE02</u>

※ " UNDER DEVELOPMENT " for product with "*" marked.

□ Full applicable keying type, please refer to document no. PL-263001. (Keying specification for RAST 2.5 header of LANDWIN)

5

5 PORTS

2630P 5P TYPE -E K-0A
P/N: <u>2630P05221T-SE0A</u>

6

6 PORTS

2630P 6P TYPE -E K-0A
P/N: <u>2630P06221T-SE0A</u>

7

7 PORTS

2630P 7P TYPE -E K-0A
P/N: <u>2630P07221T-SE0A</u>

13

13 PORTS

2630P 13P TYPE -E K-0A
P/N: <u>2630P13221T-SE0A</u>

RAST 2.5 connector 2630 SERIES



RAST2.5 Series / 5.0 mm Pitch Wire-to-Board Connector



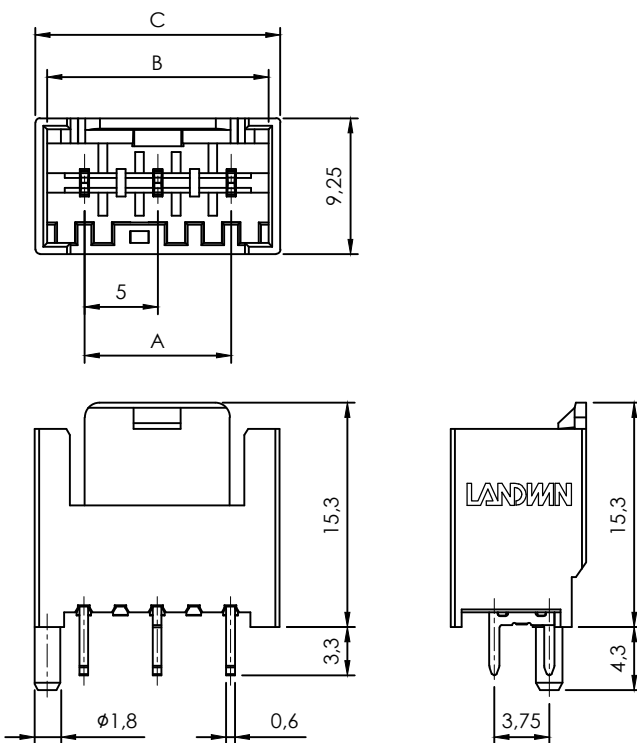
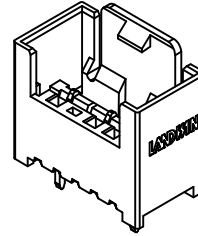
Specifications

- ◇ Current rating: 6A AC, DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 1500V AC/Minute
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Mates with RAST 2.5 connector.
- ◇ Certification: Refer to 2630P series
- ◇ GWT 850° C rated product is available

2630P RAST2.5 Header, Straight Type (Type F)



Ordering Information

PIN Nos	Part No. (RAST 2.5/5.0 Type-F Type-1 PCB Layout)	Dimension		
		A	B	C
2	2630P02221T-SF02-1	5.00	10.1	11.7
3	2630P03221T-SF0A-1	10.00	15.1	16.7
4	2630P04221T-SF0A-1	15.00	20.1	21.7
* 5	2630P05221T-SF0A-1	20.00	25.1	26.7
* 6	2630P06221T-SF0A-1	25.00	30.1	31.7
7	2630P07221T-SF0A-1	30.00	35.1	36.7
* 8	2630P08221T-SF0A-1	35.00	40.1	41.7

Material

Part	Material / Finish
Base	Glass-filled Nylon66 94V-0, Light ivory (natural color)
Contact	Brass, Tin-plated

* PART NUMBER ASSIGNMENT:

ex. 2630P 02 22 1 X - S F 0A - 1 (Keying No.A)

ex. 2630P 02 22 1 X - S F 01 - 1 (Keying No.1)

02... Circuit Nos (pin numbers)

X... Plating Selection: T... Tin-plated

S... Light ivory (natural color), R... Red, B... Black color

F... RAST 2.5 / 5.0 mm Pitch

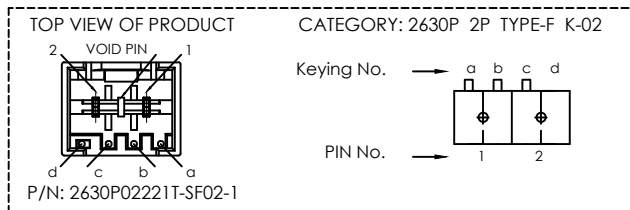
0A... K-A (Keying No. A)

-1... Type -1 PCB Layout

* " UNDER DEVELOPMENT " for Circuit No. with "*" marked.

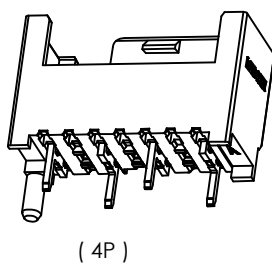
* Full applicable keying type, refer to document no. PL-263002.

(Keying Specification for RAST 2.5 / 5.0 Header of LANDWIN)

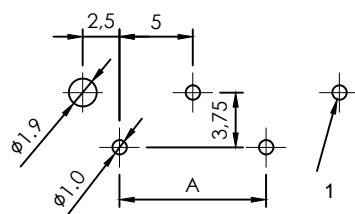


P.C. Board Layout

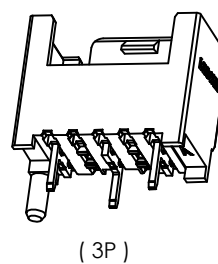
(EVEN CIRCUITS)



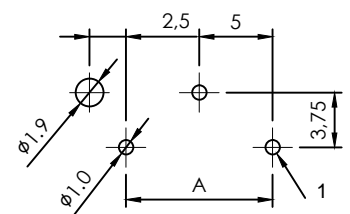
(4P)



(ODD CIRCUITS)



(3P)



RAST 2.5 connector 2630 SERIES



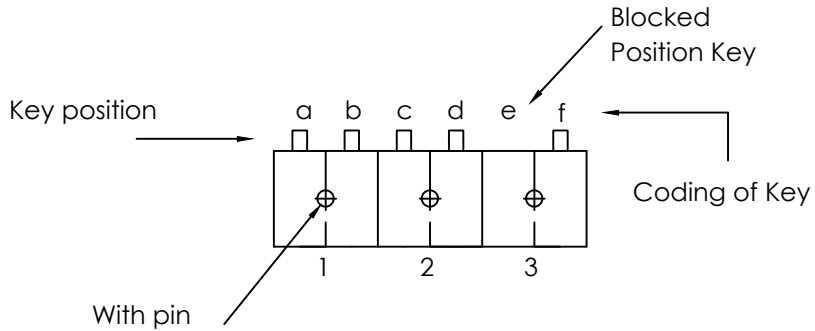
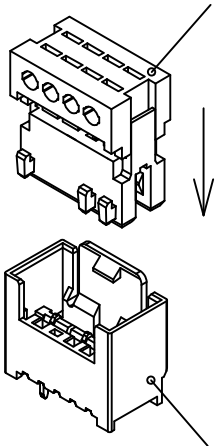
RAST2.5 Series / 5.0 mm Pitch Wire-to-Board Connector



2630P (Type F) Keying, Lock Layout

IDC Connector / 2630R
(Crimp type connector)

This wafer product is planned to provide listed product, for other required application. Please contact sale for discussion.



□ "Keying" means key slots made on wafer can mate with relative position key made on connector.

CQ2630P Header Type -F (Pitch 5.0 mm)

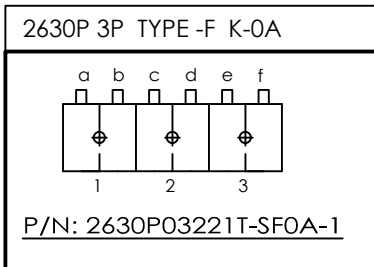
2

2 PORTS

2630P 2P TYPE -F K-0A	2630P 2P TYPE -F K-02	2630P 2P TYPE -F K-07	2630P 2P TYPE -F K-08
P/N: 2630P02221T-SF0A-1	P/N: 2630P02221T-SF02-1	P/N: 2630P02221T-SF07-1	P/N: 2630P02221T-SF08-1

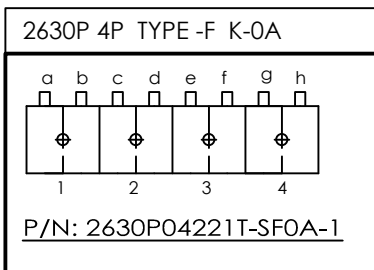
3

3 PORTS



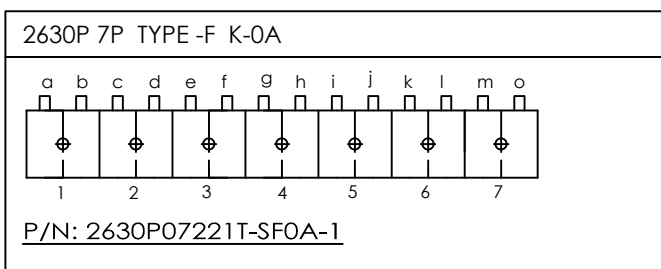
4

4 PORTS



7

7 PORTS



※ " UNDER DEVELOPMENT " for product with "*" marked.

□ Full applicable keying type, please refer to document no. PL-263002. (Keying specification for RAST 2.5/5.0 header of LANDWIN)

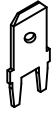
Quick-Disconnect Connector SERIES



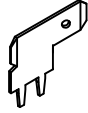
Application Overview - Wire to Board

RoHS REACH LF HFA

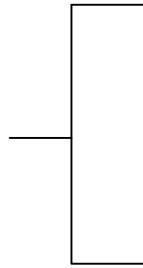
250 TAB Series



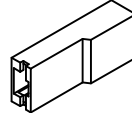
3301T
(250 S/T TAB)



3302T
(250 R/A TAB)



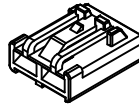
66101S



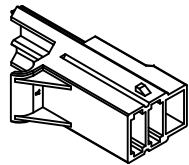
66103S0102



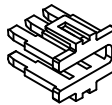
66105P



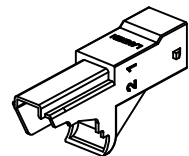
66105S



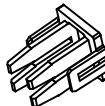
66102S Type-P



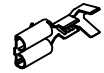
66102A Type-P



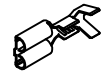
66102S Type-5



66102A Type-5



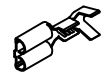
66101T3
(Type-3, Metallic Plate)



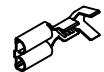
66101T2
(Type 2)



66101T3
(Type-3, Metallic Plate)



66101T2
(Type 2)

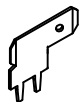


66101T2
(Type 2)

187 TAB Series



3201T
(187 S/T TAB)



3202T
(187 R/A TAB)



66601S0102



66601T
(Locking with Plastics Plate)

Quick-Disconnect 666XX SERIES



TAB 187 Series Wire-to-Board Connector

RoHS REACH LF HFA GWT

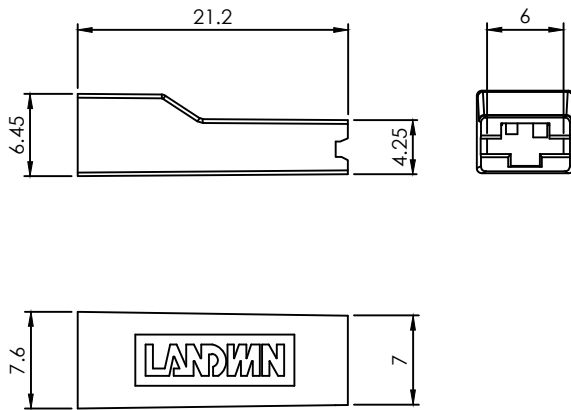
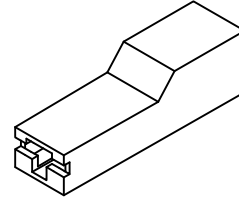
Specifications

- ◇ Current rating: 12A AC, DC Max. (16 AWG)
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 1000V AC/Minute
- ◇ Contact Resistance: 3 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Mates with 3201T, 3202T series 187 TAB type PCB terminal
- ◇ Use with 66601T series 187 TAB-Mate Crimp Terminal
- ◇ Applicable wire gauge: AWG 16 - 20

66601S0102 Plug Housing, 1-Circuit



Ordering Information

Part No.	Mating-contact Type	Access-pitch	Circuit No.
66601S0102	TAB 187	n/a	1

Material

Part	Material / Finish
Housing	Nylon 66 94V-2, white (natural color)

※ PART NUMBER ASSIGNMENT:

ex. 66601S 01 0 X* (natural color)

ex. 66601S 01 0 X* - B

01... Circuit Nos (pin numbers)

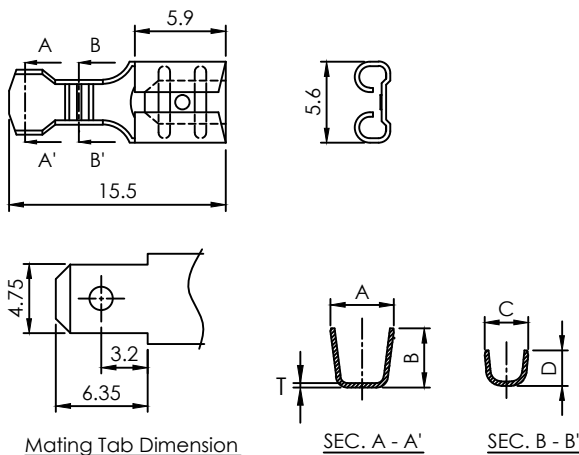
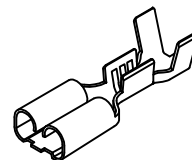
X*... Plastics Material no.: 0... Nylon 66 94V-0,
2... Nylon 66 94V-2

B... Black

Reference

- ◇ Use with 66601S series Plug Housing
- ◇ Mates with 3201T, 3202T series 187 TAB type PCB terminal
- ◇ Mates with Type 187 TAB Crimp Terminal
- ◇ Material: Brass, Tin-plated

66601T 187 TAB-Mate Crimp Terminal (Type-2, Locking with Plastics Plate)



Mating Tab Dimension

SEC. A - A'

SEC. B - B'

Ordering Information

Part No.	Applicable Wire		Applicable TAB Thickness
	AWG #	Insulation O.D. mm	
66601T012R	16 - 20	3.2 Max.	0.5 mm
66601T022R	12 - 14	4.0 Max.	0.5 mm
66601T112R	16 - 20	3.2 Max.	0.8 mm

Part No.	A	B	C	D	T	Q'ty per Reel
66601T012R	4.8	4.7	3.2	3.3	0.3	10,000
66601T022R	5.5	5.7	3.9	4.0	0.35	8,000
66601T112R	4.8	4.7	3.2	3.3	0.3	10,000

Quick-Disconnect 661XX SERIES



TAB 250 Series Wire-to-Board Connector

RoHS REACH LF HFA GWT

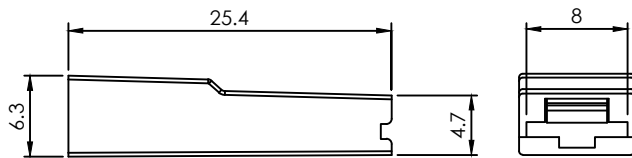
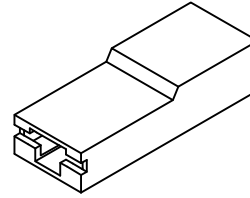
Specifications

- ◇ Current rating: 14A AC, DC Max. (14 AWG)
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 2000V AC/Minute
- ◇ Contact Resistance: 3 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Mates with 3301T, 3302T series 250 TAB type PCB terminal
- ◇ Use with 66101T2 series 250 TAB-Mate Crimp Terminal
- ◇ Applicable wire gauge: AWG 22 - 14

66103S0102 Plug Housing, 1-Circuit



Ordering Information

Part No.	Mating-Contact Type	Access-pitch	Circuit No.
66103S0102	TAB 250	n/a	1

Material

Part	Material / Finish
Housing	Nylon 66 94V-2, white (natural color)

※ PART NUMBER ASSIGNMENT:

ex. 66103S 01 0 X* (natural color)

ex. 66103S 01 0 X* - B

01... Circuit Nos (pin numbers)

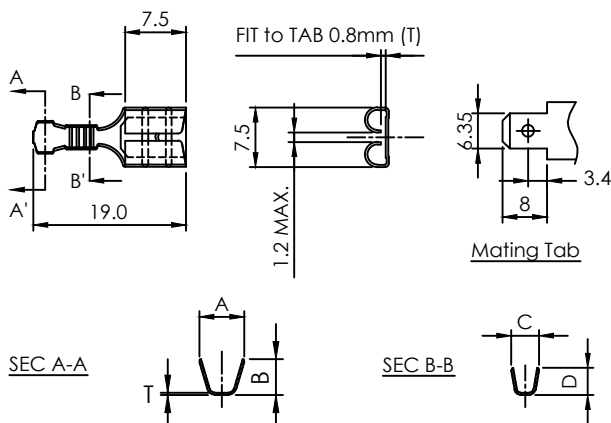
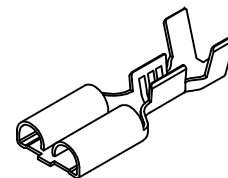
X*... Plastics Material no.: 0... Nylon 66 94V-0,
2... Nylon 66 94V-2

B... Black

Reference

- ◇ Use with 661XX series Plug Housing
- ◇ Mates with 3301T, 3302T series 250 TAB type PCB terminal
- ◇ Mates with 66101TM series 250 TAB Crimp Terminal
- ◇ Material: Brass, Matte tin-plated

66101T2 250 TAB-Mate Crimp Terminal (Type-2, Locking with Plastics Plate)



Ordering Information

Part No.	Applicable Wire		Q'ty per Reel
	AWG #	Insulation O.D. mm	
66101T212V	16 - 20	3.2 Max.	5,000
66101T222V	14 - 16	3.8 Max.	5,000

Part No.	A	B	C	D	T
66101T212V	5.2	5.2	3.5	3.5	0.4
66101T222V	5.4	5.4	3.7	3.8	0.4

Quick-Disconnect 661XX SERIES



TAB 250 Series Wire-to-Board Connector

ROHS REACH LF HFA GWT

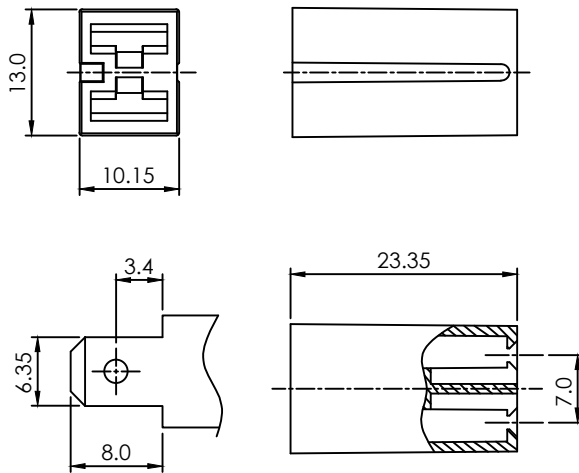
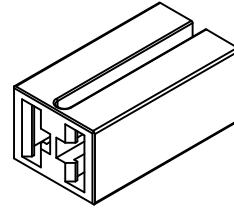
Specifications

- ◇ Current rating: 14A AC, DC Max. (14 AWG)
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 2000V AC/Minute
- ◇ Contact Resistance: 3 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Mates with 3301T, 3302T series 250 type TAB terminal
- ◇ Use with 66101T3 series 250 TAB-Mate Crimp Terminal
- ◇ Applicable wire gauge: AWG 22 - 14

66101S0200 Plug Housing, 2- Circuit



Type 250 Tab (T=0.8)

Ordering Information

Part No.	Mating-contact Type	Access-pitch	Circuit No.
66101S0202	TAB 250	7.0	2

Material

Part	Material / Finish
Housing	Nylon 66 94V-2, white (natural color)

※ PART NUMBER ASSIGNMENT:

ex. 66101S 02 0 X* (natural color)

ex. 66101S 02 0 X* - B

02... Circuit Nos (pin numbers)

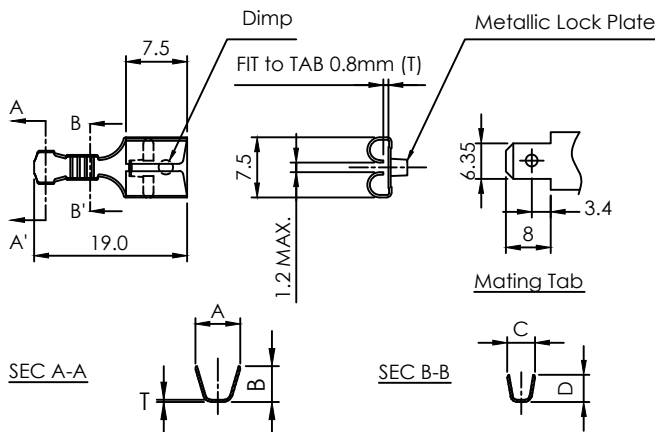
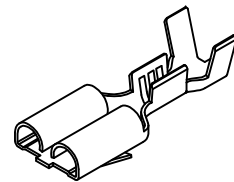
X*... Plastics Material no.: 0... Nylon 66 94V-0,
2... Nylon 66 94V-2

B... Black, S... White (natural) color

Reference

- ◇ Use with 661XX series Plug Housing
- ◇ Mates with 3301T, 3302T series 250 TAB type PCB terminal
- ◇ Mates with 66101TM series 250 TAB Crimp Terminal
- ◇ Material: Brass, Matte tin-plated

66101T3 (1) 250 TAB-Mate Crimp Terminal (Type-3, Metallic Lock Plate and Dimp)



Ordering Information

Part No.	Applicable Wire		Q'ty per Reel
	AWG #	Insulation O.D. mm	
66101T312V-1	16 - 20	3.2 Max.	5,000
66101T322V-1	14 - 16	3.8 Max.	5,000

Part No.	A	B	C	D	T
66101T312V-1	5.2	5.2	3.5	3.5	0.4
66101T322V-1	5.4	5.4	3.7	3.8	0.4

Quick-Disconnect 661XX SERIES



TAB 250 Series Wire-to-Board Connector

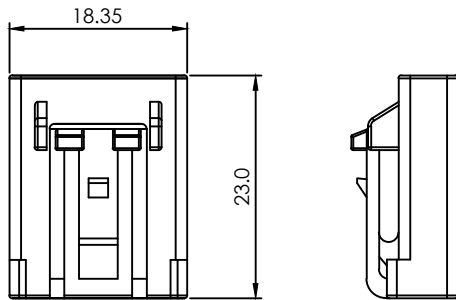
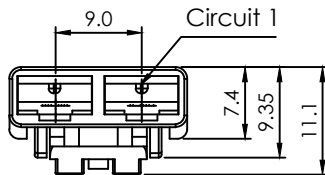
ROHS REACH LF HFA GWT

Specifications

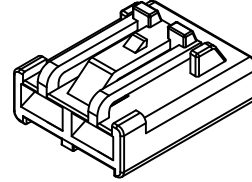
- ◇ Current rating: 16A AC, DC Max. (14 AWG)
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 2500V AC/Minute
- ◇ Contact Resistance: 5 mΩ Max. before environment test
- ◇ Insulation Resistance: 5000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Mates with 3301T, 3302T series 250 type TAB terminal
- ◇ Mates with 66105P series DIP header (2-Circuit)
- ◇ Use with 66101T3 series 250 TAB-Mate Crimp Terminal
- ◇ GWT 850° C rated product is available
- ◇ Applicable wire gauge: AWG 22 - 14



66105S Plug Housing, 2- Circuit



Ordering Information

Part No.	Mating-contact Type	Access-pitch	Circuit No.
66105S0231-B	TAB 250	9.0	2

Material

Part	Material / Finish
Housing	Glass-filled Nylon66 94V-0, Black color

※ PART NUMBER ASSIGNMENT:

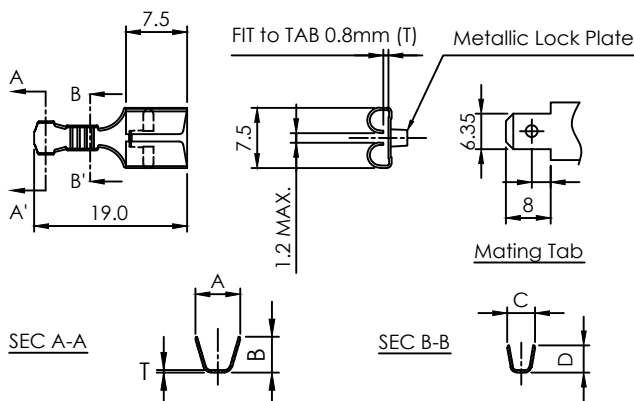
ex. 66105S 02 3 1 - B

02... Circuit Nos (pin numbers)

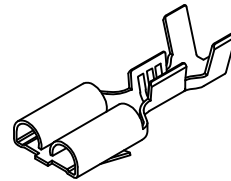
B... Black

Reference

- ◇ Use with 661XX series Plug Housing
- ◇ Mates with 3301T, 3302T series 250 TAB type PCB terminal
- ◇ Mates with 66101TM series 250 TAB Crimp Terminal
- ◇ Material: Brass, Matte tin-plated



66101T3 250 TAB-Mate Crimp Terminal (Type-3, Metallic Lock Plate)



Ordering Information

Part No.	Applicable Wire		Q'ty per Reel
	AWG #	Insulation O.D. mm	
66101T312V	16 - 20	3.2 Max.	5,000
66101T322V	14 - 16	3.8 Max.	5,000
66101T332V	12 - 14	4.0 Max.	5,000

Part No.	A	B	C	D	T
66101T312V	5.2	5.2	3.5	3.5	0.4
66101T322V	5.4	5.4	3.7	3.8	0.4
66101T332V	7.0	6.1	4.2	4.5	0.4

Quick-Disconnect 661XX SERIES



TAB 250 Series Wire-to-Board Connector

RoHS REACH LF HFA GWT

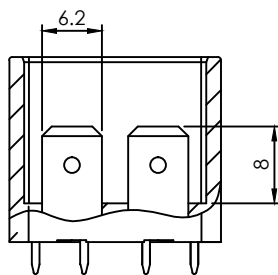
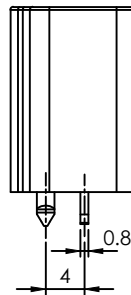
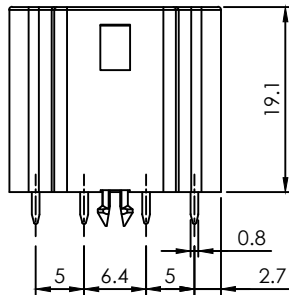
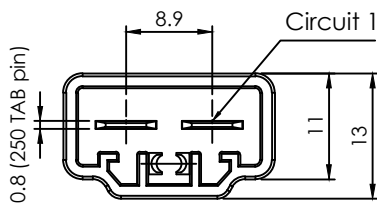
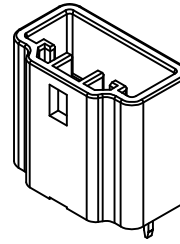
Specifications

- ◇ Current rating: 16A AC, DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 2500V AC/Minute
- ◇ Contact Resistance: 5 mΩ Max. before environment test
- ◇ Insulation Resistance: 5000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

Reference

- ◇ Mates with 66105S series Plug Housing (2-Circuit)
- ◇ Applicable PCB thickness: 1.6 mm
- ◇ GWT 850° C rated product is available

66105P TAB 250 Header, 2- Circuit



Ordering Information

Part No.	Mating-contact Type	Access-pitch	Circuit No.
66105P0231V-B	TAB 250	8.9	2

Material

Part	Material
Base	Glass-filled Nylon66 94V-0, Black color
Contact	Brass, Matte tin-plated

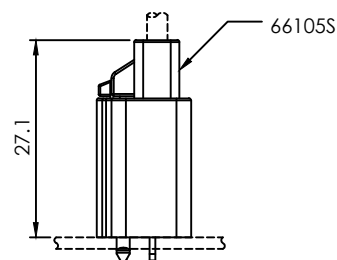
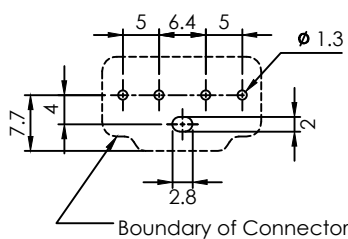
※ PART NUMBER ASSIGNMENT:

ex. 66105P 02 3 1 V - B

02... Circuit Nos (pin numbers)

B... Black

P.C. Board Layout / Assembly Layout



Quick-Disconnect 66102 SERIES



TAB 250 Series / 5.0 Pitch Micro-Switch Connector



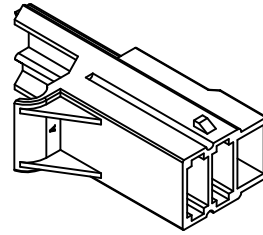
Specifications

- ◇ Current rating: 16A AC, DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 2000V AC/Minute
- ◇ Contact Resistance: 5 mΩ Max. before environment test
- ◇ Insulation Resistance: 5000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

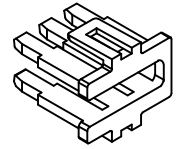
Reference

- ◇ Mates with Type 250 TAB / 5.0 Pitch Micro-Switch Connector
- ◇ Use with 66101T2 series 250 TAB-Mate Crimp Terminal
- ◇ GWT 850° C rated product is available
- ◇ Applicable wire gauge: AWG 20 - 14

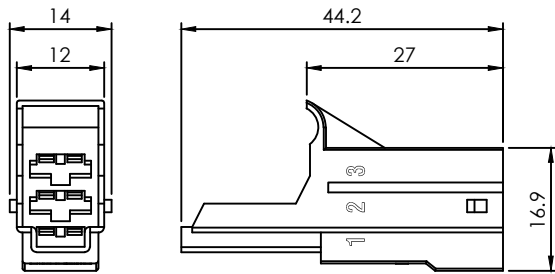
66102S Type -P Plug Housing, 3-Circuit
66102A Type -P T.P.A., 3-Circuit



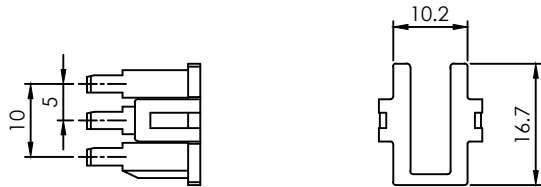
66102S Type-P



66102A Type-P



66102S Type-P Plug Housing, 3-Circuit



66102A Type-P T.P.A., 3-Circuit

Ordering Information

Part No.	Mating-contact Type	Access-pitch	Circuit No.
66102S03P1-S	TAB 250	5.0	3
66102A03P1-R	TAB 250	5.0	3

Material

Part	Material / Finish
Housing	Glass-filled Nylon66 94V-0, Light ivory color
T.P.A.	Glass-filled Nylon66 94V-0, Red color

※ PART NUMBER ASSIGNMENT:

ex. 66102S 03 P 1 - S

ex. 66102A 03 P 1 - R

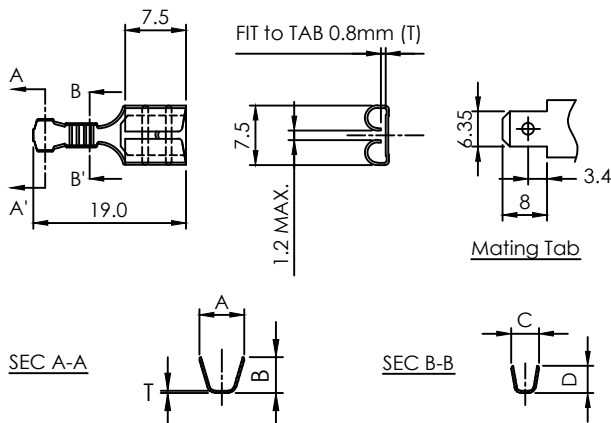
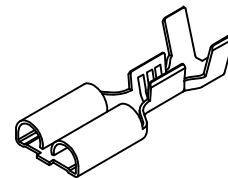
03... Circuit Nos (pin numbers)

S... Light ivory (natural color), R... red color

Reference

- ◇ Use with 661XX series Plug Housing
- ◇ Mates with 66101TM series 250 TAB Crimp Terminal
- ◇ Material: Brass, tin-plated over nickel

66101T2 250 TAB-Mate Crimp Terminal
(Type-2, Locking with Plastics Plate)



Ordering Information

Part No.	Applicable Wire		Q'ty per Reel
	AWG #	Insulation O.D. mm	
66101T212V	16 - 20	3.2 Max.	5,000
66101T222V	14 - 16	3.8 Max.	5,000

Part No.	A	B	C	D	T
66101T212V	5.2	5.2	3.5	3.5	0.4
66101T222V	5.4	5.4	3.7	3.8	0.4

Quick-Disconnect 66102 SERIES



TAB 250 Series / 5.0 Pitch Micro-Switch Connector



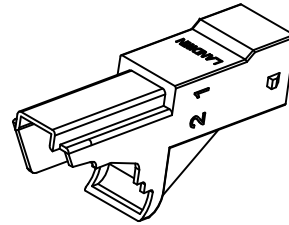
Specifications

- ◇ Current rating: 16A AC, DC Max.
- ◇ Voltage Range: 250V AC, DC
- ◇ Withstand Voltage: 2000V AC/Minute
- ◇ Contact Resistance: 5 mΩ Max. before environment test
- ◇ Insulation Resistance: 5000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

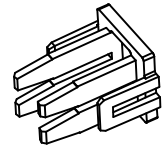
Reference

- ◇ Mates with Type 250 TAB / 5.0 Pitch Micro-Switch Connector
- ◇ Use with 66101T2 series 250 TAB-Mate Crimp Terminal
- ◇ GWT 850° C rated product is available
- ◇ Applicable wire gauge: AWG 20 - 14

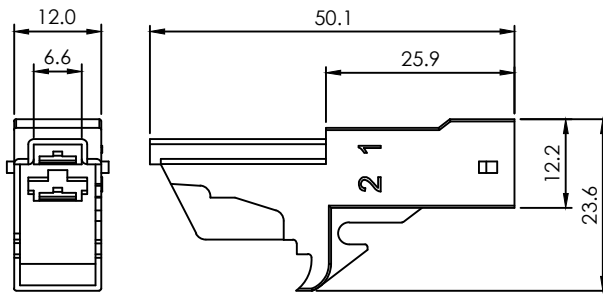
66102S Type -5 Plug Housing, 2-Circuit
66102A Type -5 Cable Retainer (T.P.A.)



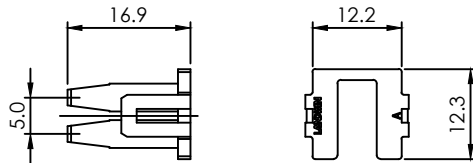
66102S Type-5



66102A Type-5



66102S Type-5 Plug Housing



66102A Type-5 T.P.A.

Ordering Information

Part No.	Mating-contact Type	Access-pitch	Circuit No.
66102S0251-S	TAB 250	5.0	2
66102A0251-R	TAB 250	5.0	2

Material

Part	Material / Finish
Housing	Glass-filled Nylon66 94V-0, Light ivory color
T.P.A.	Glass-filled Nylon66 94V-0, Red color

※ PART NUMBER ASSIGNMENT:

ex. 66102S 02 5 1 - S

ex. 66102A 02 5 1 - R

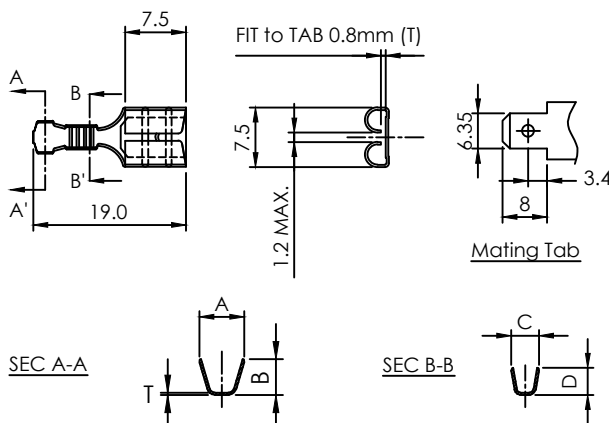
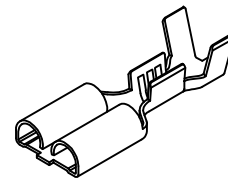
02... Circuit Nos (pin numbers)

S... Light ivory (natural color), R... red

Reference

- ◇ Use with 661XX series Plug Housing
- ◇ Mates with 66101TM series 250 TAB Crimp Terminal
- ◇ Material: Brass, tin-plated over nickel

66101T2 250 TAB-Mate Crimp Terminal
(Type-2, Locking with Plastics Plate)



Ordering Information

Part No.	Applicable Wire		Q'ty per Reel
	AWG #	Insulation O.D. mm	
66101T212V	16 - 20	3.2 Max.	5,000
66101T222V	14 - 16	3.8 Max.	5,000

Part No.	A	B	C	D	T
66101T212V	5.2	5.2	3.5	3.5	0.4
66101T222V	5.4	5.4	3.7	3.8	0.4

Quick-Disconnect 66102 SERIES



TAB 250 Series / 5.0 Pitch Wire-to-Wire Connector



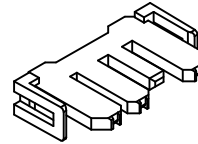
Specifications

- ◇ Current rating: 16A AC, DC Max.
- ◇ Voltage Range: 250V AC, DC
- ◇ Withstand Voltage: 2000V AC/Minute
- ◇ Contact Resistance: 5 mΩ Max. before environment test
- ◇ Insulation Resistance: 5000 MΩ Min.
- ◇ Temperature Range: -40° C to 105° C

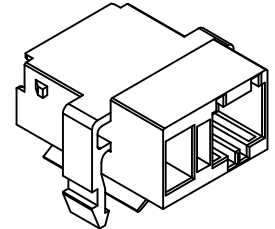
Reference

- ◇ 2 ports mates with 66102S Type-3 Plug Housing, 2-Circuits
- ◇ Use with 66101TM type-3 series 250 TAB type crimp terminal
- ◇ GWT 850° C rated product is available
- ◇ Applicable wire gauge: AWG 22 - 10

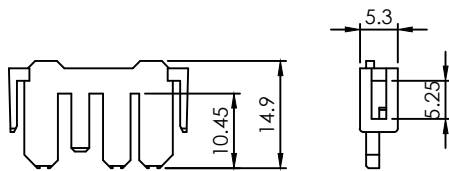
66102A Type -N Cable Retainer (T.P.A.)
66102P Type -N Receptacle Housing



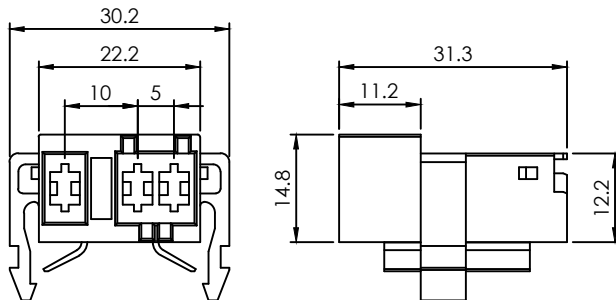
66102A Type-N



66102P Type-N



66102A Type-N T.P.A., 3-Circuit



66102P Type-N Plug Housing, 3-Circuit

Ordering Information

Part No.	Mating-contact Type	Access-pitch	Circuit No.
66102P03N1-S	250 TAB-Mate	10.0 - 5.0	3
66102A03N1-R	250 TAB-Mate	10.0 - 5.0	3

Material

Part	Material / Finish
Housing	Glass-filled Nylon66 94V-0, Light ivory color
T.P.A.	Glass-filled Nylon66 94V-0, Red color

※ PART NUMBER ASSIGNMENT:

ex. 66102P 03 N 1 - S

ex. 66102A 03 N 1 - R

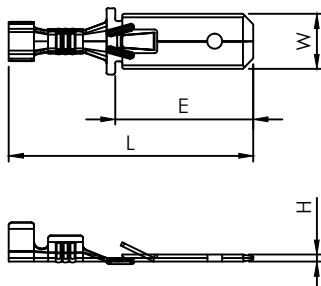
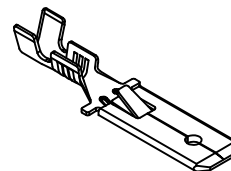
03... Circuit Nos (pin numbers)

S... Light ivory (natural color), R... red color

Reference

- ◇ Use with 661XX series Receptacle Housing
- ◇ Mates with 66101T series 250 TAB-Mate Crimp Terminal
- ◇ Material: Brass, Tin-plated

66101TM Type 250 TAB Crimp Terminal (Type 3)



Ordering Information

Part No.	Applicable Wire		Q'ty per Reel
	AWG #	Insulation O.D.	
66101TM12R-3	18 - 20	2.8 Max.	5,000
66101TM22R-3	14 - 16	3.8 Max.	4,500

Part No.	H	W	E	L	Max. Current
66101TM12R-3	0.8	6.3	16.1	28.0	14 A
66101TM22R-3	0.8	6.3	16.1	28.0	16 A

Chain Terminal



QUICK DISCONNECT TERMINAL (PCB Terminal)

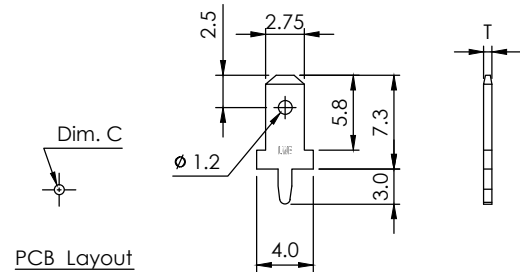


Specifications

- ◇ Current rating: 10A AC/DC Max.
- ◇ Voltage Range: 600V AC,DC
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Temperature Range: -40° C to 105° C
- ◇ Matte tin - plated

Part No.	Carrier	Material	Thickness	Dim. C	Unit Q'ty	Fig.
66705C112V	Chain	Brass	0.5	1.25	10 KPCS	/
66705C122V	Loose	Brass	0.5	1.25	5 KPCS	/

110 TAB

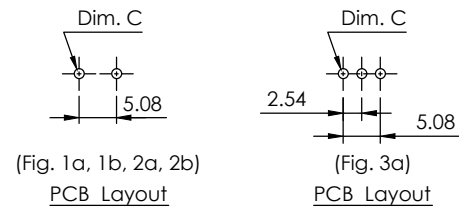


Specifications

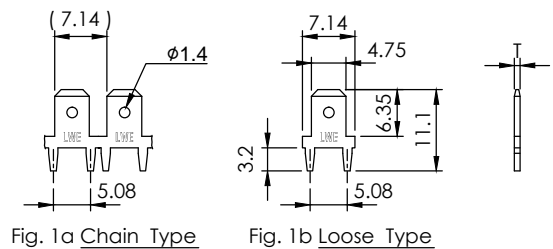
- ◇ Current rating: 15A AC/DC Max.
- ◇ Voltage Range: 600V AC,DC
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Temperature Range: -40° C to 105° C
- ◇ Matte tin - plated

Part No.	Carrier	Material	Thickness	Dim. C	Unit Q'ty	Fig.
3201T012R	Chain	Brass	0.8	1.37	10 KPCS	1a
3201T022R	Loose	Brass	0.8	1.37	5 KPCS	1b
3201T112R	Chain	Brass	0.5	1.27	10 KPCS	/
3201T122R	Loose	Brass	0.5	1.27	5 KPCS	/

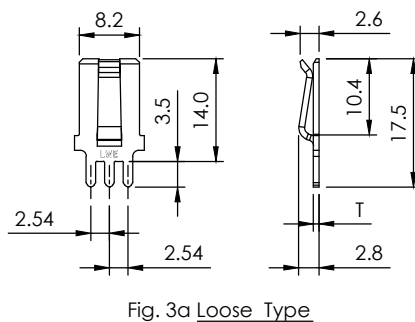
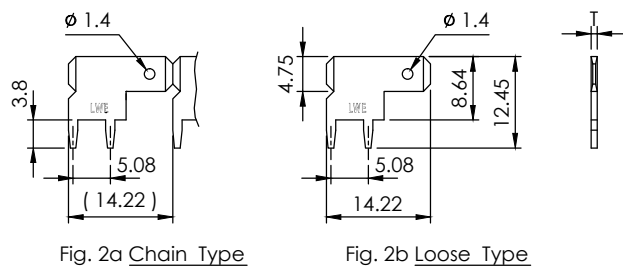
187 TAB



3202T012R	Chain	Brass	0.8	1.37	5 KPCS	2a
3202T022R	Loose	Brass	0.8	1.37	2.5 KPCS	2b
3202T112R	Chain	Brass	0.5	1.27	5 KPCS	/
3202T122R	Loose	Brass	0.5	1.27	2.5 KPCS	/



4043T011V	Loose	Phosphor Bronze	0.8	1.37	2 KPCS	3a
-----------	-------	-----------------	-----	------	--------	----



Chain Terminal



QUICK DISCONNECT TERMINAL (PCB Terminal)

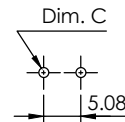


250 TAB

■ Specifications

- ◇ Current rating: 25A AC/DC Max.
- ◇ Voltage Range: 600V AC,DC
- ◇ Contact Resistance: 10 mΩ Max. before environment test
- ◇ Temperature Range: -40° C to 105° C
- ◇ Matte tin - plated

Part No.	Carrier	Material	Thickness	Dim. C	Unit Q'ty	Fig.
3301T012R	Chain	Brass	0.8	1.37	10 KPCS	1a
3301T022R	Loose	Brass	0.8	1.37	5 KPCS	1b
3301T042R	Loose	Brass	0.8	1.37	5 KPCS	1c
3301T052R	Loose	Brass	0.8	1.60	5 KPCS	1d



PCB Layout

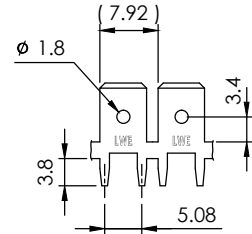


Fig. 1a Chain Type

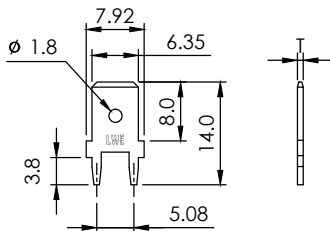


Fig. 1b Loose Type

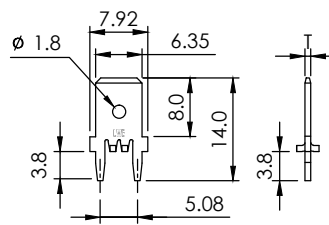


Fig. 1c Loose Type

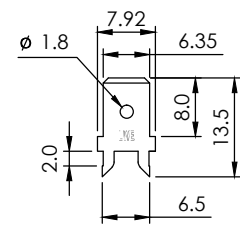
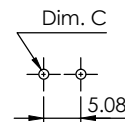


Fig. 1d Loose Type

Part No.	Carrier	Material	Thickness	Dim. C	Unit Q'ty	Fig.
3302T012R	Chain	Brass	0.8	1.37	4 KPCS	2a
3302T022R	Loose	Brass	0.8	1.37	2 KPCS	2b
3302T032R	Loose	Brass	0.8	1.37	2 KPCS	2c



PCB Layout

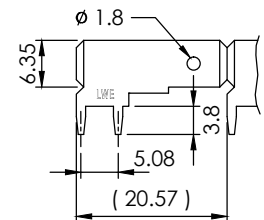


Fig. 2a Chain Type

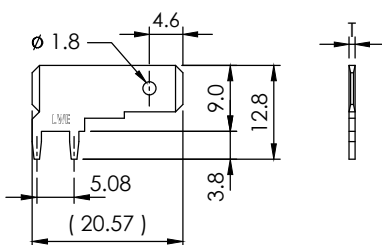


Fig. 2b Loose Type

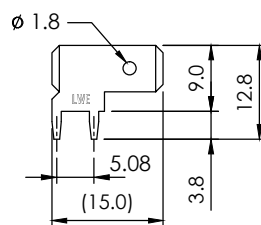


Fig. 2c Loose Type

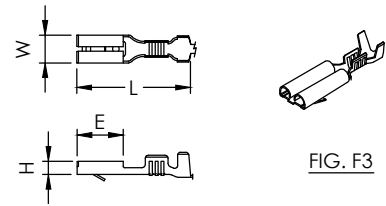
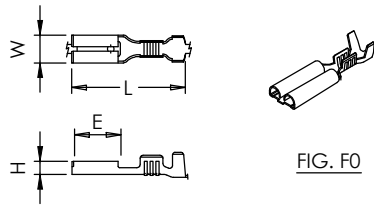
Chain Terminal



QUICK DISCONNECT TERMINAL (TAB and TAB-Mate))



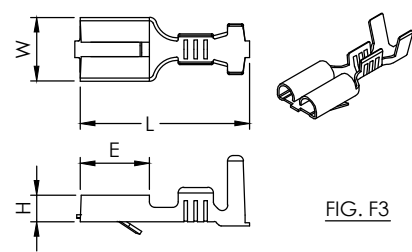
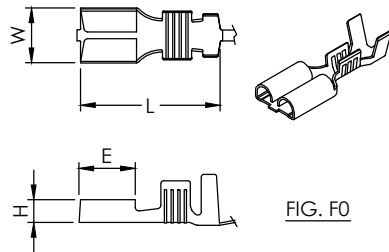
Crimp Terminal / Type 110



Part No.	Carrier	Material	Finish Type	TAB Thickness	Wire Range AWG	Insulation O.D.	Dimension (mm)				Q'ty / REEL	Rating		Fig.
							H	W	L	E		Amp	Voltage	
66706T012R	Chain	Brass	Post-tin	0.5	20 - 22	2.8 Max.	2.0	3.8	15.6	6.2	10,000	10 A	250 V	F0
66706T312R	Chain	Brass	Post-tin	0.5	20 - 22	2.8 Max.	2.0	3.8	15.6	6.2	10,000	10 A	250 V	F3

※ Finish "V" ... matte tin-plated, Finish "R" ... tin-plated

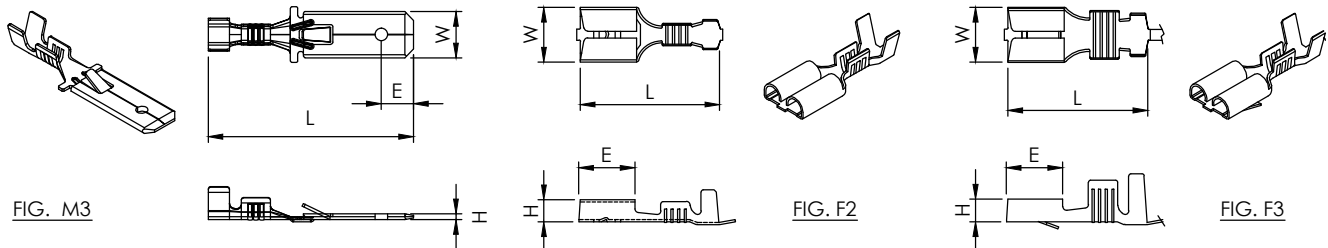
Crimp Terminal / Type 187



Part No.	Carrier	Material	Finish Type	TAB Thickness	Wire Range AWG	Insulation O.D.	Dimension (mm)				Q'ty / REEL	Rating		Fig.
							H	W	L	E		Amp	Voltage	
66601T012R	Chain	Brass	Post-tin	0.5	16 - 20	3.1 Max.	2.3	5.6	15.5	5.9	10,000	12 A	250 V	F0
66601T022R	Chain	Brass	Post-tin	0.5	18 - 24	2.8 Max.	2.3	5.6	15.5	5.9	10,000	12 A	250 V	F0
66601T112R	Chain	Brass	Post-tin	0.8	16 - 20	3.1 Max.	2.3	5.6	15.5	5.9	10,000	12 A	250 V	F0
66601T122R	Chain	Brass	Post-tin	0.8	18 - 24	2.8 Max.	2.3	5.6	15.5	5.9	10,000	12 A	250 V	F0
66601T112R-3	Chain	Brass	Post-tin	0.8	16 - 20	3.1 Max.	2.3	5.6	15.5	5.9	10,000	12 A	250 V	F3
66601T122R-3	Chain	Brass	Post-tin	0.8	18 - 24	2.8 Max.	2.3	5.6	15.5	5.9	10,000	12 A	250 V	F3

※ Finish "V" ... matte tin-plated, Finish "R" ... tin-plated

Crimp Terminal / Type 250



Part No.	Carrier	Material	Finish Type	TAB Thickness	Wire Range AWG	Insulation O.D.	Dimension (mm)				Q'ty / REEL	Rating		Fig.
							H	W	L	E		Amp	Voltage	
66101T212V	Chain	Brass	Post-tin	0.8	18 - 22	2.8 Max.	3.0	7.45	19.1	7.65	5,000	16 A	250 V	F2
66101T222V	Chain	Brass	Post-tin	0.8	14 - 20	3.5 Max.	3.0	7.45	19.1	7.65	5,000	16 A	250 V	F2
66101T232V	Chain	Brass	Post-tin	0.8	10 - 12	5.1 Max.	3.0	7.45	19.1	7.65	5,000	16 A	250 V	F2
66101T312V	Chain	Brass	Post-tin	0.8	18 - 22	2.8 Max.	3.0	7.45	19.1	7.65	5,000	16 A	250 V	F3
66101T322V	Chain	Brass	Post-tin	0.8	14 - 20	3.5 Max.	3.0	7.45	19.1	7.65	5,000	16 A	250 V	F3
66101T332V	Chain	Brass	Post-tin	0.8	10 - 12	5.1 Max.	3.0	7.45	19.1	7.65	5,000	16 A	250 V	F3
66101TM12R-3	Chain	Brass	Post-tin	0.8	18 - 22	2.8 Max.	0.8	6.3	28.0	4.4	5,000	16 A	250 V	M3
66101TM22R-3	Chain	Brass	Post-tin	0.8	14 - 20	3.5 Max.	0.8	6.3	28.0	4.4	5,000	16 A	250 V	M3
66101TM32R-3	Chain	Brass	Post-tin	0.8	10 - 12	5.1 Max.	0.8	6.3	28.0	4.4	5,000	16 A	250 V	M3

※ Finish "V" ... matte tin-plated, Finish "R" ... tin-plated

Chain Terminal



RING TONGUE TERMINAL



■ Specifications

- ◇ Current rating: 3A AC/DC Max.
- ◇ Voltage Range: 250V AC,DC
- ◇ Temperature Range: -40° C to 105° C
- ◇ Finish: Matte tin-plated

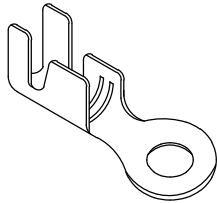


FIG. 1

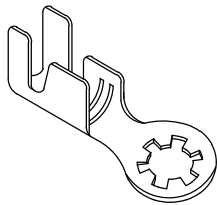
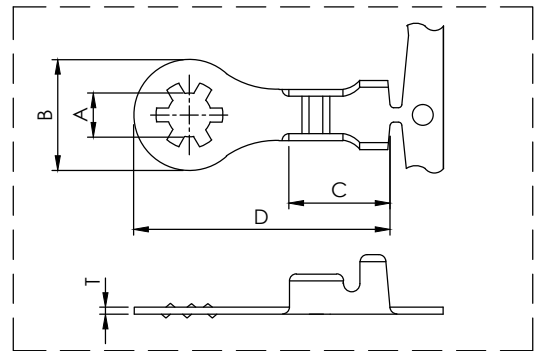
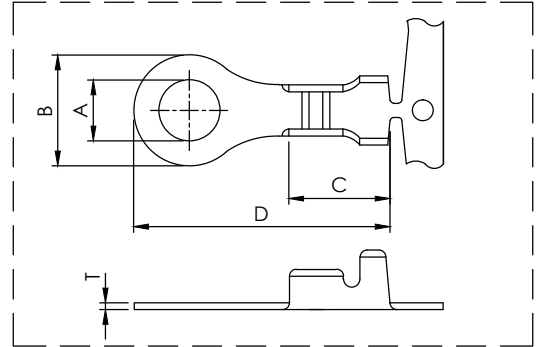


FIG. 2

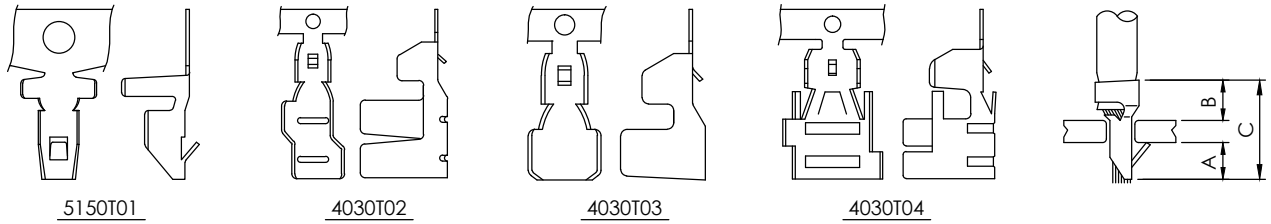


Part No.	Wire Gauge	Insulation OD.	Dimensions					FIG.	Material
			A	B	C	D	T		
3401T112R	#20 ~ #18	∅ 2.7 Max.	∅ 3.2	∅ 6.0	5.5	12.8	0.4	1	Brass
3401T122R	#24 ~ #22	∅ 2.4 Max.							
3401T212R	#20 ~ #18	∅ 2.7 Max.	∅ 3.2	∅ 8.0	5.5	15.0	0.5	1	Brass
3401T222R	#24 ~ #22	∅ 2.4 Max.							
3402T112R	#20 ~ #18	∅ 2.7 Max.	∅ 3.7	∅ 6.0	5.5	12.8	0.4	1	Brass
3402T122R	#24 ~ #22	∅ 2.4 Max.							
3402T212R	#20 ~ #18	∅ 2.7 Max.	∅ 3.7	∅ 8.0	5.5	15.0	0.4	1	Brass
3402T222R	#24 ~ #22	∅ 2.4 Max.							
3402T312R	#20 ~ #18	∅ 2.7 Max.	∅ 3.7	∅ 8.0	7.3	18.5	0.5	1	Brass
3402T322R	#24 ~ #22	∅ 2.4 Max.							
3403T112R	#20 ~ #18	∅ 2.7 Max.	∅ 4.3	∅ 8.0	5.6	15.0	0.4	1	Brass
3403T122R	#24 ~ #22	∅ 2.4 Max.							
3403T212R	#20 ~ #18	∅ 2.7 Max.	∅ 4.3	∅ 8.0	7.3	18.5	0.5	1	Brass
3403T222R	#24 ~ #22	∅ 2.4 Max.							
3404T112R	#20 ~ #18	∅ 2.7 Max.	∅ 5.2	∅ 8.0	5.6	15.0	0.4	1	Brass
3404T122R	#24 ~ #22	∅ 2.4 Max.							
3404T212R	#20 ~ #18	∅ 2.7 Max.	∅ 5.2	∅ 8.0	5.6	18.5	0.4	1	Brass
3404T222R	#24 ~ #22	∅ 2.4 Max.							
3405T112R	#20 ~ #18	∅ 2.7 Max.	∅ 3.5	∅ 7.5	7.3	17.1	0.5	2	Brass

Chain Terminal



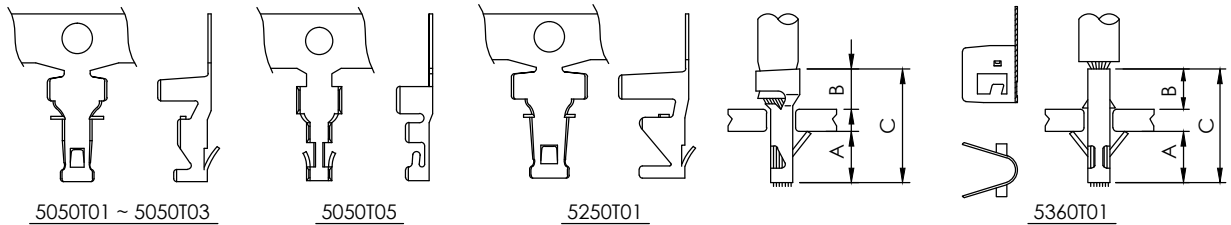
BOARD-IN Terminal / Single Pole



Part No.	Wire Gauge	Insulation OD.	Dimensions			Applicable P.C.B.		Reel Q'ty	Material
			A	B	C	Thickness	Hole Dia.		
5150T011X	#18 ~ #22	∅ 2.6 Max.	2.2	2.1	5.9	1.6	∅ 1.8	5,000 pcs	Phosphor Bronze
4030T022X	#14 or #18 x4	∅ 4.5 Max.	2.2	10.2	14.0		∅ 3.2	1,500 pcs	
4030T032X	#14 or #18 x4	∅ 4.5 Max.		6.2	10.0		∅ 3.2	2,000 pcs	Brass
4030T042X	#18 x7	∅ 6.0 Max.	2.3	8.5	12.4		∅ 4.2	1,300 pcs	

ex. 4030T042 X

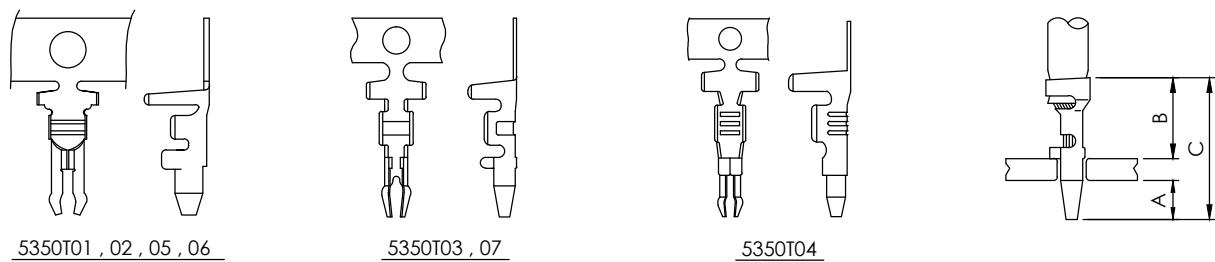
└ R = Pre Tin-plated



Part No.	Wire Gauge	Insulation OD.	Dimensions			Applicable P.C.B.		Reel Q'ty	Material
			A	B	C	Thickness	Hole Dia.		
5050T011X	#24 ~ #28	∅ 1.5 Max.	2.0	2.4	6.0	1.6	∅ 1.1	12,000 pcs	Phosphor Bronze
5050T021X	#20 ~ #22	∅ 1.7 Max.	2.4	3.0	7.0		∅ 1.4	15,000 pcs	
5050T031X	#18	∅ 3.0 Max.	2.3	3.0	6.9		∅ 1.8	6,000 pcs	
5050T051X	#24 ~ #28	∅ 1.5 Max.	1.6	2.0	5.2		∅ 1.4	18,000 pcs	
5250T011X	#16 or #18 x2	∅ 3.4 Max.	2.1	3.3	7.0		∅ 2.3	3,500 pcs	
5360T012X	#18 x3 or #18 x5	∅ 4.5 Max.	1.6	1.8	4.9		∅ 3.2	3,000 pcs	Brass

ex. 5250T011 X

└ R = Pre Tin-plated



Part No.	Wire Gauge	Insulation OD.	Dimensions			Applicable P.C.B.		Reel Q'ty	Material
			A	B	C	Thickness	Hole Dia.		
5350T012X	#18 ~ #22	∅ 2.6 Max.	1.2	4.5	6.9	1.2	∅ 1.8	6,000 pcs	Brass
5350T022X	#18 ~ #22	∅ 2.6 Max.	1.2	4.0	6.9			6,000 pcs	
5350T032X	#18 ~ #22	∅ 2.6 Max.	2.0	6.5	10.1	1.6		6,000 pcs	
5350T042X	#18 ~ #22	∅ 2.6 Max.	2.0	9.1	12.7			3,000 pcs	
5350T052X	#16 ~ #18	∅ 2.6 Max.	1.2	5.1	7.5	1.2		5,000 pcs	
5350T062X	#16 ~ #18	∅ 2.6 Max.	1.2	4.7	7.5	1.6		5,000 pcs	

ex. 5350T062 X

└ R = Pre Tin-plated

Chain Terminal



FUSE CLIP on PCB

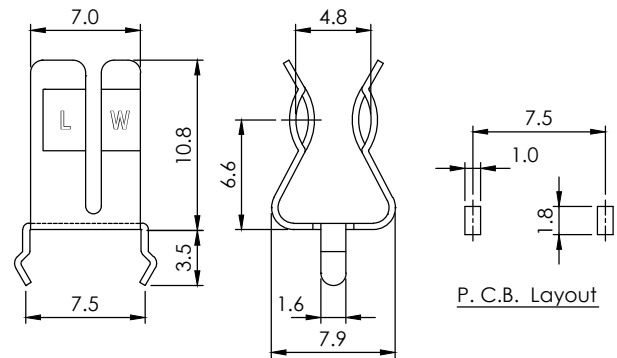


■ Specifications

- ◇ Rating: 15A Max., 250V AC,DC
- ◇ Temperature Range: -40° C to 105° C
- ◇ 4 - Point Contact
- ◇ Material finish: Tin-plated (Post-tin)

Part No.	Packing	Material	Thickness
3101T011R	Loose	Phosphor bronze	0.4

3101T (6.4 mm type)

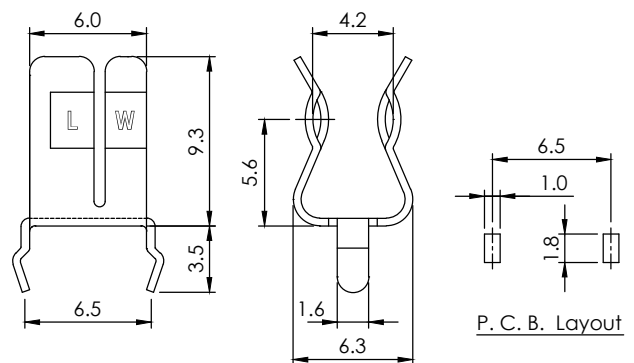


■ Specifications

- ◇ Rating: 15A Max., 250V AC,DC
- ◇ Temperature Range: -40° C to 105° C
- ◇ 4 - Point Contact
- ◇ Material finish: Tin-plated (Post-tin)

Part No.	Packing	Material	Thickness
3102T011R	Loose	Phosphor bronze	0.4

3102T (5 mm type)

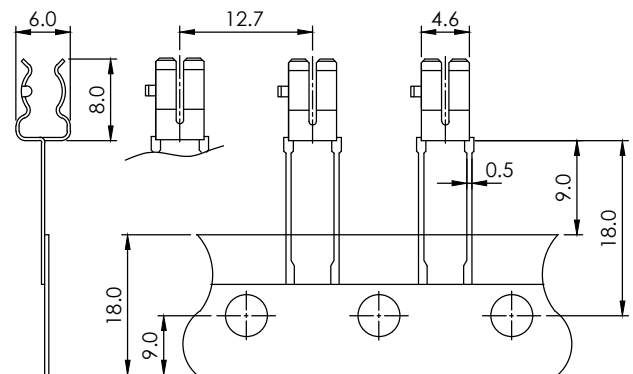


■ Specifications

- ◇ Rating: 10A Max., 250V AC,DC
- ◇ Temperature Range: -40° C to 105° C
- ◇ 4 - Point Contact
- ◇ Material finish: Tin-plated

Part No.	Packing	Material	Thickness
3102T111R	Tape Form	Phosphor bronze	0.3

3102T (5 mm type)

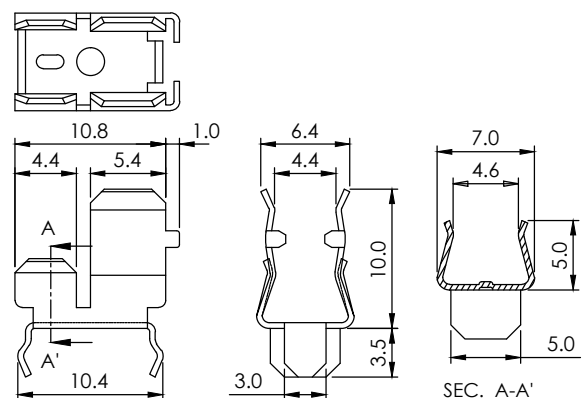


■ Specifications

- ◇ Rating: 15A Max., 250V AC,DC
- ◇ Temperature Range: -40° C to 105° C
- ◇ Fuse dimension: 5.0 X 20 and 6.35 X 30 or 6.35 X 31.8 (mm)
- ◇ Material finish: Tin-plated (Post-tin)

Part No.	Packing	Material	Thickness
3102T311R	Loose	Phosphor bronze	0.4

3102T (5 mm / 6.35 mm type)



Chain Terminal



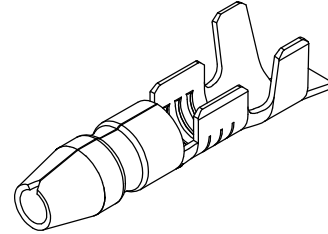
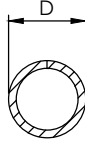
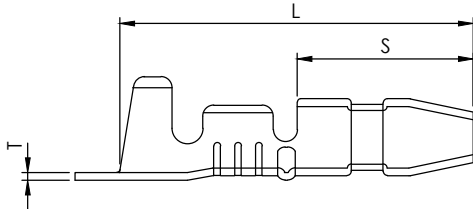
BULLET TERMINAL



■ Specifications

- ◇ Current rating: 2.5A AC/DC Max.
- ◇ Voltage Range: 50V AC,DC
- ◇ Temperature Range: -40° C to 105° C
- ◇ Mates with 6101TF series crimp terminal

Male Bullet Terminal (Normal)

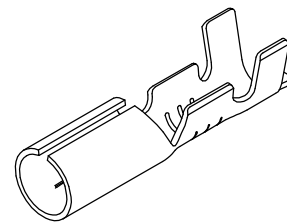
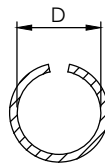
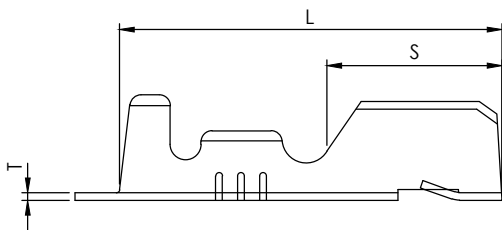


Part No.	Carrier	Material	Finish	Wire Range AWG	Insulation O.D. (mm)	Dimension (mm)				Q'ty / REEL (PCS)
						D	L	S	T	
6101TM12Z	Chain	Brass	None	16 - 18	3.1 Max.	3.5	16.1	8.0	0.35	10,000
6101TM12R	Chain	Brass	Tin	16 - 18	3.1 Max.	3.5	16.1	8.0	0.35	10,000

■ Specifications

- ◇ Current rating: 2.5A AC/DC Max.
- ◇ Voltage Range: 50V AC,DC
- ◇ Temperature Range: -40° C to 105° C
- ◇ Mates with 6101TM series crimp terminal

Female Bullet Terminal (Normal)



Part No.	Carrier	Material	Finish	Wire Range AWG	Insulation O.D. (mm)	Dimension (mm)				Q'ty / REEL (PCS)
						D	L	S	T	
6101TF12Z	Chain	Brass	None	16 - 18	3.1 Max.	3.96	17.4	8.0	0.35	10,000
6101TF12R	Chain	Brass	Tin	16 - 18	3.1 Max.	3.96	17.4	8.0	0.35	10,000
6101TF22Z	Chain	Brass	None	16 - 18	3.1 Max.	3.45	17.4	8.0	0.35	10,000
6101TF22R	Chain	Brass	Tin	16 - 18	3.1 Max.	3.45	17.4	8.0	0.35	10,000

LANDWIN

TAIWAN / 台灣

聯盈電子股份有限公司 LANDWIN ELECTRONIC CORP.

台北市內湖區南京東路六段330巷18弄2號

No.2, Alley 18, Lane 330, Sec.6, Nanjing East Rd., Nei Hu District, 114 Taipei, Taiwan R.O.C

Tel: (886-2) 27923756 Fax: (886-2) 27904110

Domestic Sales E-mail: salestaipei@landwin.com.tw

Overseas Sales E-mail: heyi@landwin.com.tw

<http://www.landwin.com.tw>

CHINA / 中國

新揚麟電子(深圳)有限公司 LANDWIN ELECTRONIC (Shen Zhen) CO.,LTD

深圳市寶安區西鄉街道黃田村恆昌榮高新產業園2 A棟 2樓南

HengChang rong Industrial Zone 2A , 2 F south , Xixiang Huangtian, Baoan district ,
Shenzhen City , Guangdong Province , P.R.C.

Tel: (86-755) 28010373 Fax: (86-755) 28016577

E-mail: Salsz_4@landwin.com.tw

聯盈電子(蘇州)有限公司 LANDWIN ELECTRONIC (Suzhou) CO.,LTD

蘇州新區朝紅路488號

No.488 , Chao Hong Street , Suzhou NewDistrict , Jiangsu Province , P.R.C.

Tel: (86-512) 66670966 Fax: (86-512) 66670964~5

E-mail: sales3_su@landwin.com.tw

HONG KONG

LCU INTERNATIONAL LTD.

Flat 19, 3/F., Lladro Building, 72-80 Hoi Yuen Road, Kwun Tong, Kowloon ,Hong Kong.

Tel: (852) 29519433 Fax: (852) 29519533

E-mail: lcu_intl@landwin.com.hk

ASIA

JAPAN (Distributor)

PICO INC.

9F Aquacity Shibaura Bldg., 4-16-23, Shibaura Minato-ku Tokyo 108-8508

Tel:+81-3-5418-7671 Fax: +81-3-5418-7678

EUROPE

ITALY (Distributor)

ORVEM spa

Via Sacco Vanzetti 34

20099 Sesto San Giovanni(MI)

Sale Tel. +39 02 34541160 Fax. +39 02 34541165

E-mail: vendite@orvem.com

<http://www.orvem.com>

SOUTH AMERICA

BRASIL (Distributor)

SECCON INDUSTRIA E COMERCIO LTDA (BRASIL)

Rua Dr.Nogueira Martins,710 CEP: 04143-020, Saude, Sao Paulo, SP, Brasil

Tel. (55-11) 55835583 Fax. (55-11) 55848840

E-mail: vendas@seccon.com.br