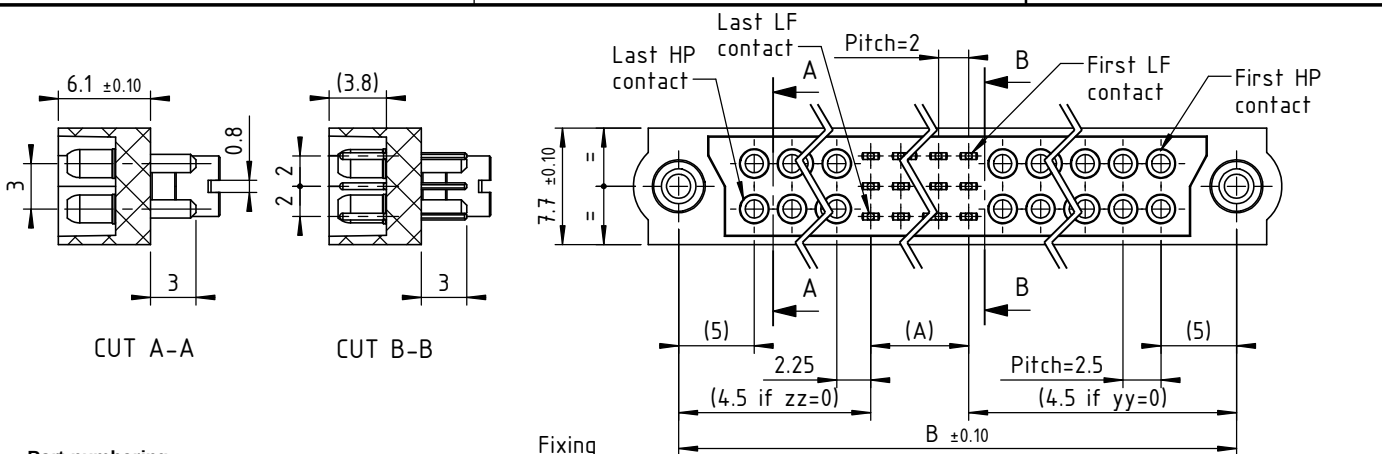


4



Part numbering :

nnn : number of LF contacts
yy : number of HP contacts side LF pin 1
zz : number of HP contacts opposite side LF pin 2

Distance between the axes and length in mm :

$$A = \left\{ \frac{(nnn \times 2)}{3} \right\} - 2$$

If yy and zz is different to 0 :

$$B = \left\{ \left(\frac{(yy) + (zz)}{2} \right) - 2 \right\} \times 2,5 + 14,5 + A$$

If yy or zz = 0 :

$$B = \left\{ \left(\frac{(yy \text{ or } zz)}{2} \right) - 1 \right\} \times 2,5 + 11,75 + A$$

B max. = 87

C = B + 6

2

TECHNICAL FEATURES for 22 HP CONTACTS

MATERIAL

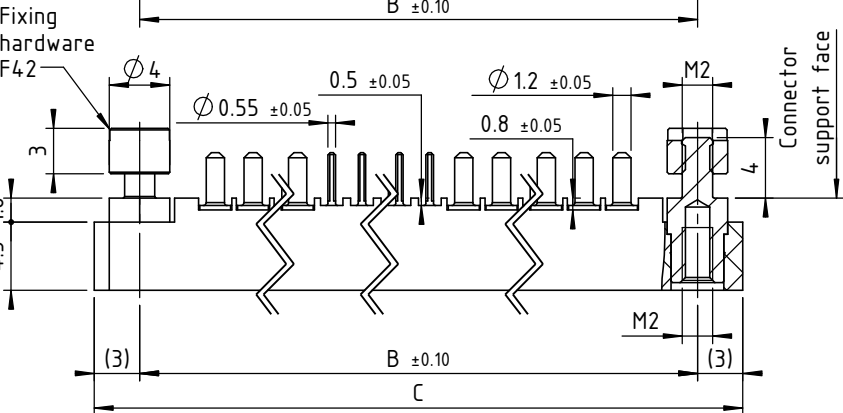
- Body Copper alloy / Ni + Au 0.5µ

MECHANICAL

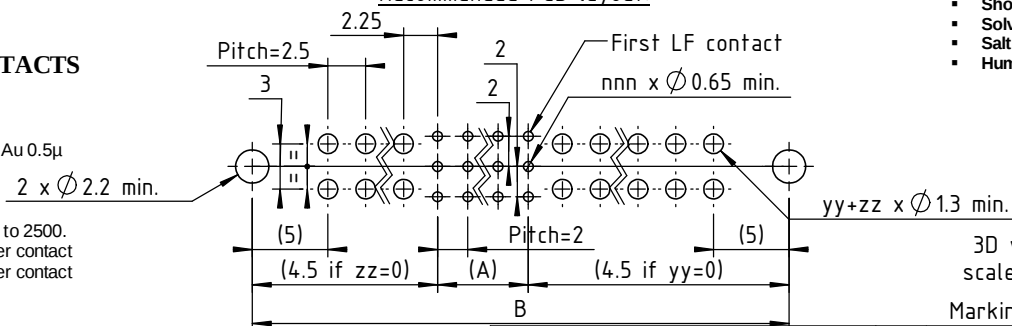
- Endurance 500 cycles min. up to 2500.
- Insertion force From 0.60 to 5N per contact
- Extraction force From 0.50 to 2N per contact
- Secure overlapping 1.30 mm

ELECTRICAL

- Intensity 10 A
- Contact resistance max. 6 mΩ
- Maximum voltage (sea level) 1000V (RMS)
- Operating voltage (sea level) 180 V AC/500 mA



Recommended PCB layout:



TECHNICALS FEATURES

MATERIAL

INSULATOR : Special PPS (Polyphenylene Sulfide Fibreglass filled thermoplastic) UL 94-V0

- Radiation resistance
- No humidity absorption
- Oxygen free

Note : PPS characteristics are recognized for space applications

SIGNAL CONTACTS for PCB:

- Male :
 - Contact area Copper alloy / Ni + Au 1µ
 - Contact tail Copper alloy / Ni + Au flash 0.1µ

FIXING HARDWARE :

- Jackscrew : Stainless steel

ELECTRICAL for LF Contacts

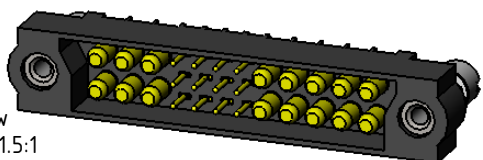
- All contacts 3 A max. @ 25°C
2.2 A max. @ 85°C
- Working voltage (sea level) Tested at 800 V DC
- Proof voltage Tested at 1200 V DC
- Contact resistance (initially) max. 10 mΩ
- Insulation resistance 1000 MΩ min

MECHANICAL for LF Contacts

- Mechanical operations 500 cycles min. up to 2500
- Contact insertion and withdrawal force 2 N max. / 0.2 N min. per contact

ENVIRONMENTAL

- Temperature range From -60°C to +260°C
- Vibration severity 0.75mm, 10 g RMS 6 hours long random with superimposed sinusoid. No intermittencies measured when using an H.S.L.I. (High Speed Logic Interrupt) detector with a trip threshold of 2 ns. 100g for 6 ms
- Shock severity HcFc 141 bMGX (ATOChem) solvent
- Solvent resistance 96 hrs
- Salt spray test 56 days @ 90% humidity
- Humidity test



3D view
scale : 1,5:1

Marking as referenced in the CMM catalogue pages 12 & 13



www.nicomatic.com
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Tel : +33 (0)4.50.36.13.85

2	04/07/13	A.Z.		C.B.
Iss	Date	Drawn	Checked	Approved
Item : Connector CMM340 male straight on PCB, nnn LF contacts, yy+zz HP contacts 22-3300-12, F42				

Tools recommended		
Fixing	Screwdriver for standard nut	C14743

Folder : X:\Méthodes\Plans clients\Plans clients 2D\25 - CMM340\Connecteurs Mâles\341Y\341YnnnF42-yyzz-330012_cl

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Catalogue Reference : 341YnnnF42-yyzz-330012

General tolerance	±0.2	Scale	2:1	Page	1/1
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