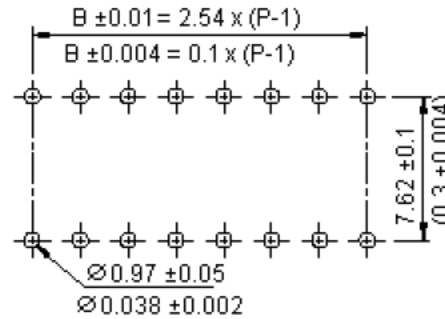
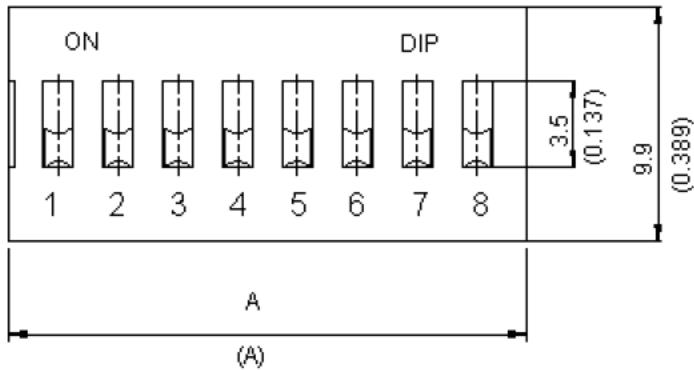
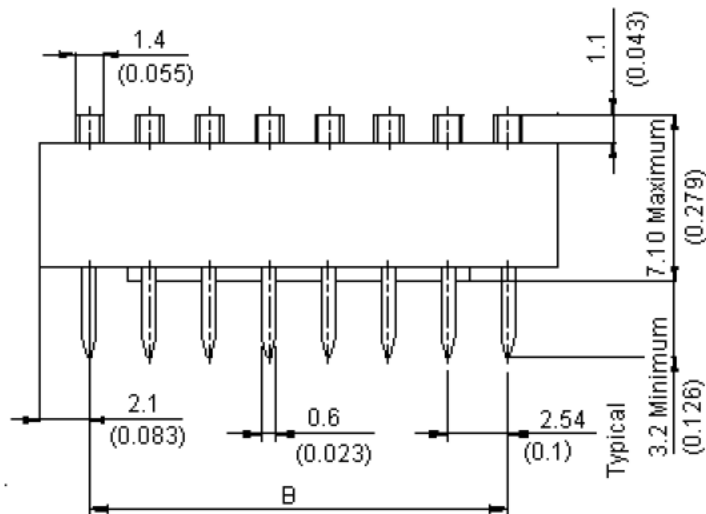
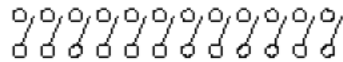
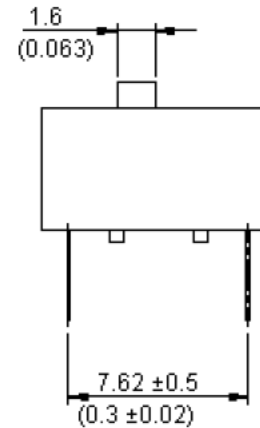



**DS**

**PCB Layout**

**Schematic (Typical)**


(2, 4, 6, 8, 10 and 12 Pos Avails)



Dimensions : Millimetres (Inches)

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Ashok

**CHECKED BY:**

Jagan

**APPROVED BY:**
**DATE:**

18/01/12

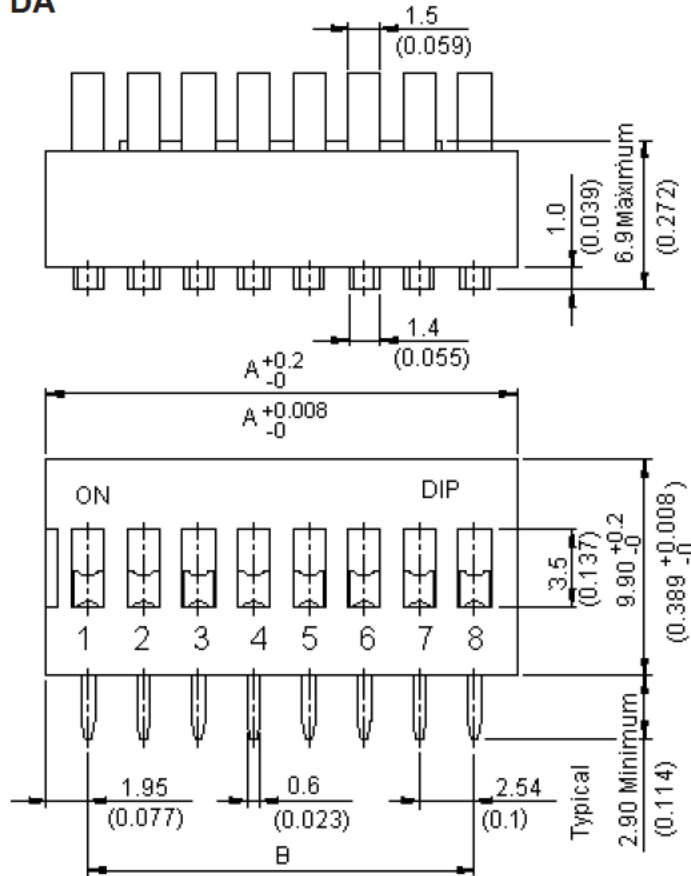
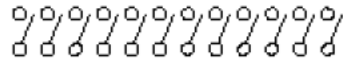
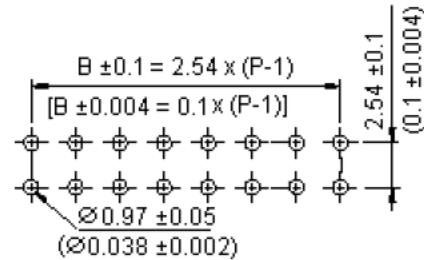
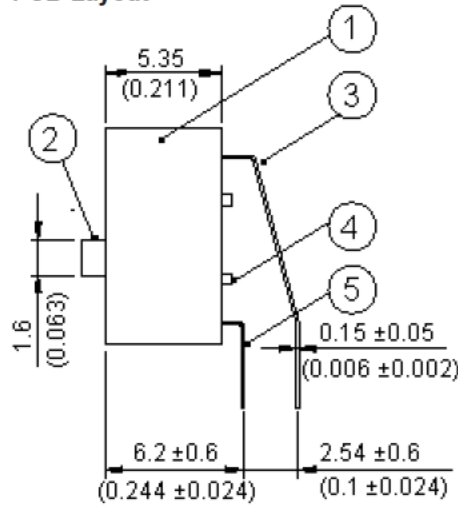
**DATE:**

18/01/12

**DATE:**

01/02/12

**DRAWING TITLE:**
**Switch - DS, DP, DA Series**
**SIZE A**
**DWG NO.**
**M10001964**
**ELECTRONIC FILE**
**73742\_DWG**
**REV A**
**SCALE: NTS**
**U.O.M.: mm**
**SHEET: 1 OF 5**


**DA**

**Schematic (Typical)**

**(4, 6 and 8 Pos Avails)**

**PCB Layout**


Dimensions : Millimetres (Inches)

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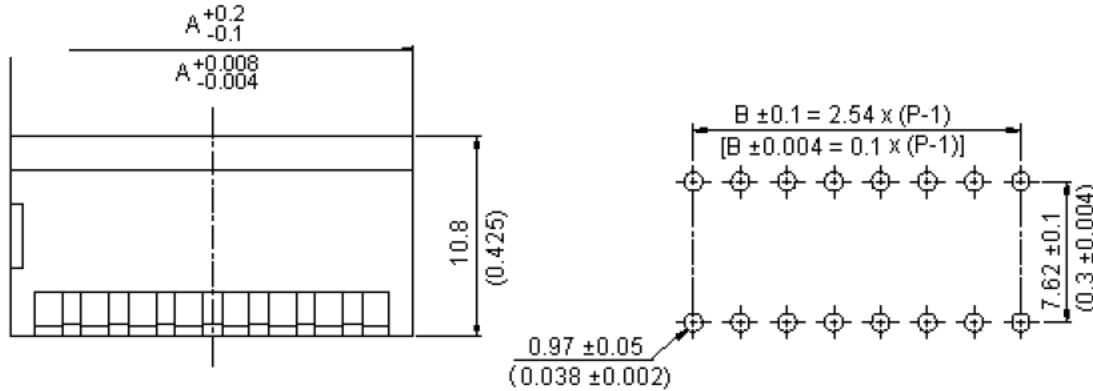
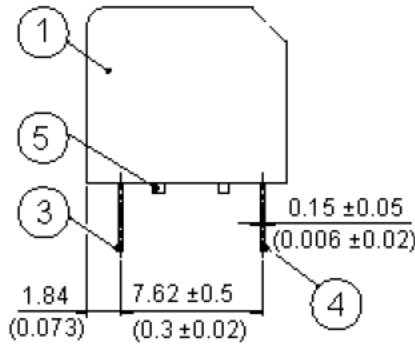
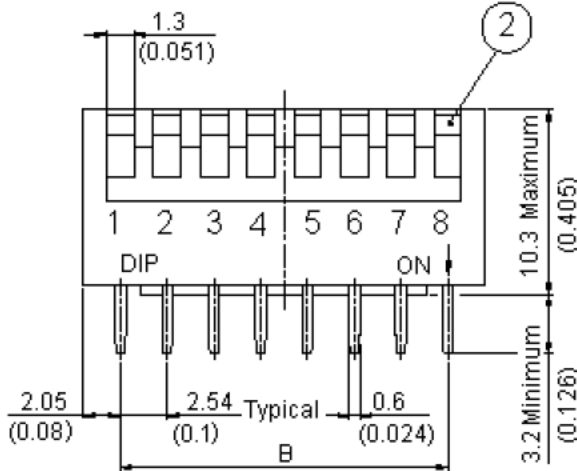
**DATE:**

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**DATE:**

01/02/12

**DRAWING TITLE:**
**Switch - DS, DP, DA Series**
**SIZE**
**A**
**DWG NO.**
**M10001964**
**ELECTRONIC FILE**
**73742\_DWG**
**REV**
**A**
**SCALE: NTS**
**U.O.M.: mm**
**SHEET: 2 OF 5**


**DP**

**PCB Layout**

**DP Series**

Dimensions : Millimetres (Inches)

**Schematic (Typical)**

**(4, 6 and 8 Pos Avails)**

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**DRAWING TITLE:**
**Switch - DS, DP, DA Series**
**SIZE**  
A

**DWG NO.**

M10001964

**ELECTRONIC FILE**  
73742\_DWG

**REV**  
A

**SCALE:** NTS

**U.O.M.:** mm

**SHEET:** 3 OF 5



PART NO.

**MCD Series**

REVISIONS


**Specifications:****Mechanical:**

Mechanical life : 2,000 operations per switch  
Maximum operation force : 400 gf (DP Series)  
: 1,000gf maximum (DS and DA Series)  
Stroke : 2 mm  
Operation temperature : -20°C to +70°C  
Storage temperature : -40°C to +85°C

**Electrical:**

Electrical life : 2,000 operations per switch 24 V dc, 25 mA  
Non-switching rating : 100 mA, 50 V dc  
Switching rating : 25 mA, 24 V dc  
Maximum contact resistance : 50 mΩ at initial  
Insulation resistance : 100 MΩ  
Dielectric strength : 500 V ac for one minute  
Circuit : SPST

**Materials:**

Base : PBT thermoplastic  
Colour : Black  
Cover : PBT thermoplastic  
Colour : Red, black and blue  
Actuators : PBT high thermoplastic  
Colour : White  
Contact : Phosphor bronze with gold plating over nickel  
Top seal : Polyester film  
Potting material : Epoxy

**Soldering Process:**

Keep all switch contacts in their "OFF" position for all operations

Wave soldering : Recommended temperature at 500°F (260°C) maximum 5 seconds for through hole type

Hand soldering : Use a soldering iron of 30 watts, controlled at 350°C approximately maximum 5 seconds

Make sure switch is in "OFF" position during soldering process, or it will decrease the operating force and meanwhile increase the contact resistance

Do not wash the switch body except top tape sealed type, which suitable for spray cleaning method from top of the s/w

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**DRAWING TITLE:****Switch - DS, DP, DA Series**SIZE  
A

DWG NO.

M10001964

ELECTRONIC FILE  
73742\_DWGREV  
A

SCALE: NTS

U.O.M.: mm

SHEET: 4 OF 5



PART NO.

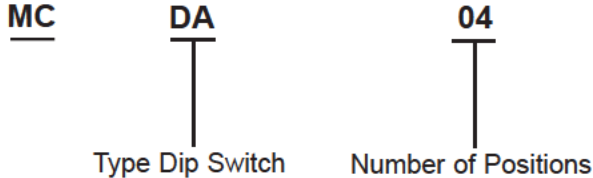
**MCD Series**


**Specification Table**

Number of Positions	A	B	Part Number
4	11.52 (0.454)	7.62 (0.300)	MCDA04
6	16.60 (0.654)	12.70 (0.500)	MCDA06
8	21.68 (0.854)	17.78 (0.700)	MCDA08
4	11.52 (0.454)	7.62 (0.300)	MCDS04
6	16.60 (0.654)	12.70 (0.500)	MCDS06
8	21.68 (0.854)	17.78 (0.700)	MCDS08
2	6.44 (0.254)	2.54 (0.100)	MCDS02
10	26.76 (1.054)	22.86 (0.900)	MCDS10
12	31.84 (1.254)	27.94 (1.100)	MCDS12
4	11.72 (0.461)	7.62 (0.300)	MCDP04
6	16.80 (0.661)	12.70 (0.500)	MCDP06
8	21.88 (0.861)	17.78 (0.700)	MCDP08

Dimensions : Millimetres (Inches)

**Part Number Explanation:**



**Type Dip Switch** : DA = Right Angle, DP = Piano and DS = Slide Type Dip Switch  
**Number of Positions** : 04 = 4, 06 = 6, 08 = 8, 02 = 2, 10 = 10 and 12 = 12 Positions

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<b>CHECKED BY:</b>	<b>DATE:</b>
Veena	18/01/12
<b>APPROVED BY:</b>	<b>DATE:</b>
	01/02/12

<b>DRAWING TITLE:</b>			
<b>Switch - DS, DP, DA Series</b>			
<b>SIZE</b>	<b>DWG NO.</b>	<b>ELECTRONIC FILE</b>	<b>REV</b>
A	M10001964	73742_DWG	A
<b>SCALE: NTS</b>		<b>U.O.M.: mm</b>	<b>SHEET: 5 OF 5</b>