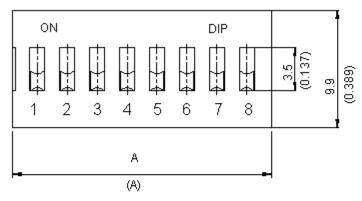
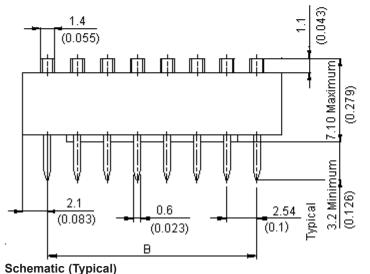


MCD Series

	REVISIONS				·	·		·
ECN #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
-	Α	RELEASED	Ashok	18/01/12	Jagan	18/01/12	Farnell	01/02/12



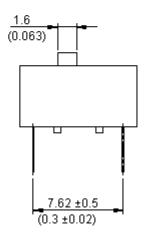




(2, 4, 6, 8, 10 and 12 Pos Avails)

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PCB Layout



Dimensions : Millimetres (Inches)

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 DATE:

 Ashok
 18/01/12

 CHECKED BY:
 DATE:

 Jagan
 18/01/12

 APPROVED BY:
 DATE:

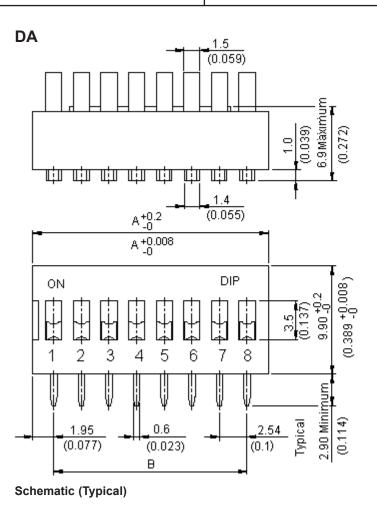
 01/02/12

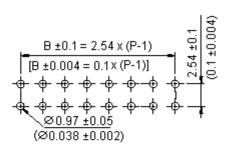
DRAWI	NG TITLE:						
		Switch - DS, DP	, DA	Series			
SIZE A	DWG NO.	M10001964	· ·	TRONIC FILI 2_ DWG	E		REV A
SCAL	E: NTS	U.O.M.: mm		SHEET:	1	OF	5

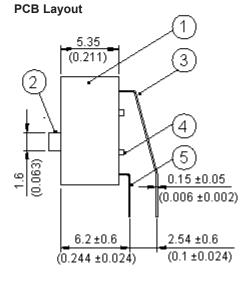


MCD Series

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ECN #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
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Dimensions : Millimetres (Inches)

(4, 6 and 8 Pos Avails)

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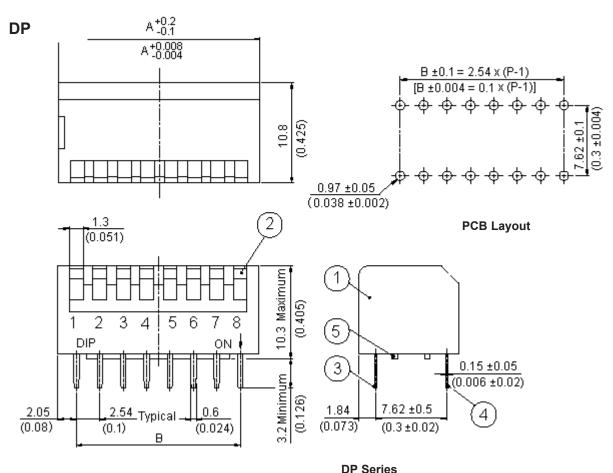
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CHECKED BY:	DATE:
Veena	18/01/12
APPROVED BY:	DATE:
	01/02/12

1	DRAW	ING TITLE:						
1	Switch - DS, DP, DA Series							
$\left\{ \right.$	SIZE A	DWG NO.	M10001964 ELECTRONIC FILE 73742_DWG			REV A		
SCALE: NTS			U.O.M.: mm		SHEET: 2 OF 5			



MCD Series

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ECN #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
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Schematic (Typical)

999999999999

Dimensions: Millimetres (Inches)

(4, 6 and 8 Pos Avails)

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	01/02/12

DRAW	ING TITLE:							
		Switch - DS, DP, DA Series						
SIZE A	DWG NO.	M10001964	l -	TRONIC FILE 2_DWG		REV A		
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MCD Series

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-	Α	RELEASED	Ashok	18/01/12	Jagan	18/01/12	Farnell	01/02/12

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

 $\begin{array}{lll} \mbox{Non-switching rating} & : 100 \mbox{ mA, 50 V dc} \\ \mbox{Switching rating} & : 25 \mbox{ mA, 24 V dc} \\ \mbox{Maximum contact resistance} & : 50 \mbox{ m}\Omega \mbox{ at initial} \end{array}$

Insulation resistance : 100 M Ω

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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Veena	18/01/12
APPROVED BY:	DATE:
	01/02/12

:	DRAW	NG TITLE:						
			Switch - DS, DP	, DA	Series			
:	SIZE A	DWG NO.	M10001964	1	TRONIC FIL 2_DWG	_E		REV A
:	SCAL	E: NTS	U.O.M.: mm		SHEET:	4	OF	5



MCD Series

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ECN #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
-	Α	RELEASED	Ashok	18/01/12	Jagan	18/01/12	Farnell	01/02/12

Specification Table

Number of Positions	Δ Β		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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	01/02/12		

DRAW	NG TITLE:						
Switch - DS, DP, DA Series							
SIZE A	DWG NO.	M10001964	1	TRONIC FIL 2_DWG	.E		REV A
SCAL	E: NTS	U.O.M.: mm		SHEET:	5	OF	5