

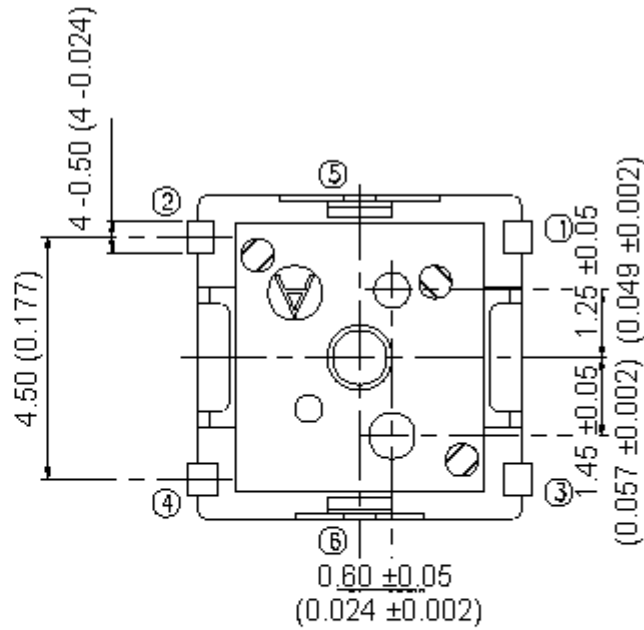
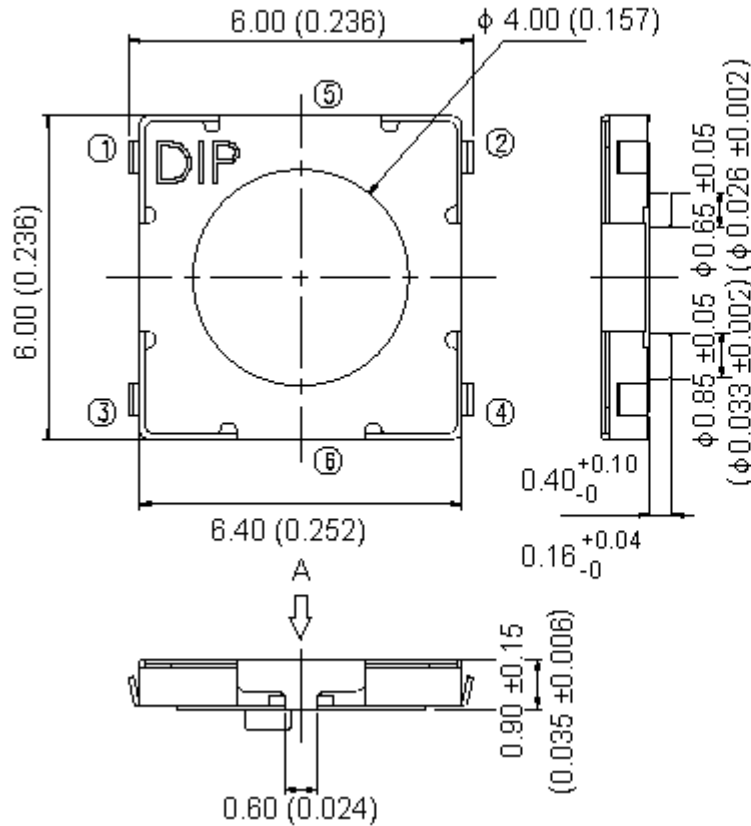


PART NO.

MCM2A-L

REVISIONS

ECN #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
-	A	RELEASED	Jagan	11/2/08	Suresh	11/2/08	G. C	26/2/08



Dimensions: Millimetres (Inches)

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DRAWN BY:	DATE:
Jagan	11/02/08
CHECKED BY:	DATE:
Suresh	11/02/08
APPROVED BY:	DATE:
G.Cook	26/02/08

DRAWING TITLE:

Miniature Tactile Switch - Double Action

SIZE A	DWG NO. M10000819	ELECTRONIC FILE M2A-V_DWG	REV A
SCALE: NTS		U.O.M.: mm (Inches)	SHEET: 1 OF 4



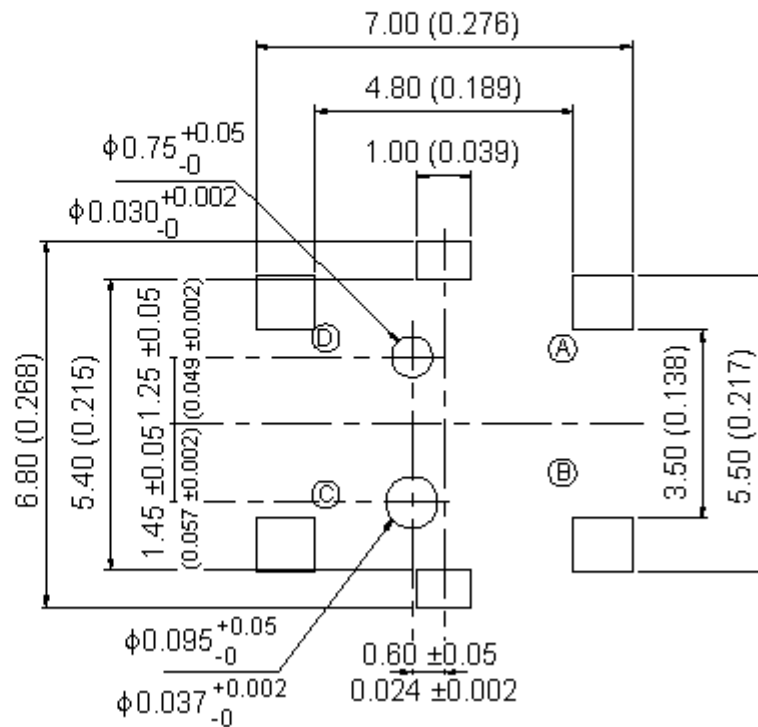
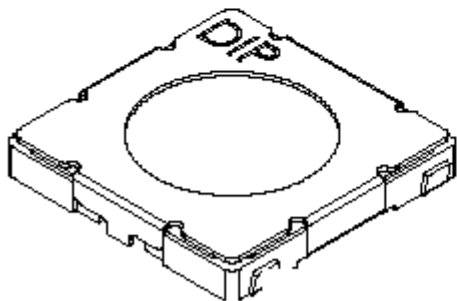
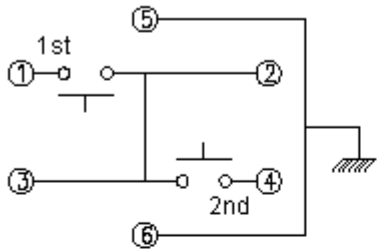
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Circuit



PCB Layout
View from the Direction A

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Miniature Tactile Switch - Double Action

SIZE
A

DWG NO.

M10000819

ELECTRONIC FILE
M2A-V_DWG

REV
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SCALE: NTS

U.O.M.: mm (Inches)

SHEET: 1 OF 2



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Specifications:

Mechanical:

Operation force : 1st: 80 ±40gf.
 2nd: 250 ±60gf.
 Stroke : 1st: 0.25 ±0.1mm.
 2nd: 0.40 ±0.15mm.
 Operating temperature : -25 to +75°C.
 Storage temperature : -30 to +80°C.

Electrical:

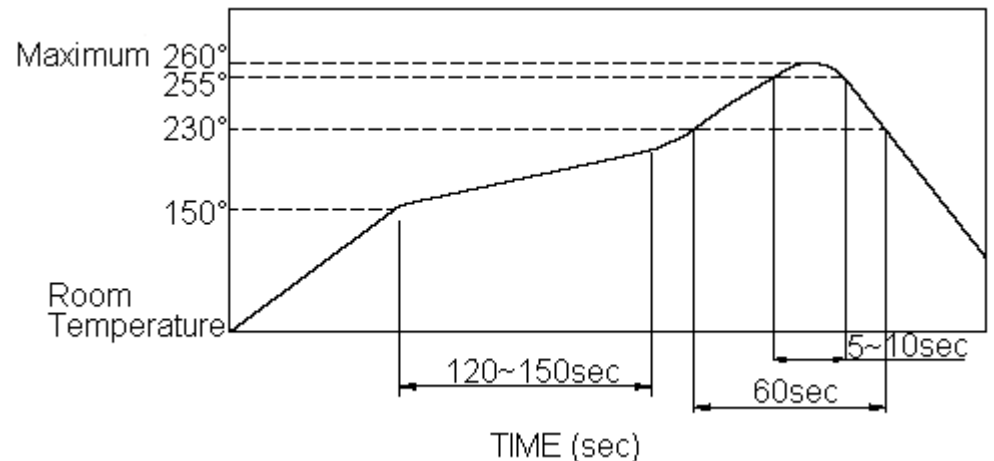
Electrical life : 30,000 cycles.
 Rating : 50mA, 12V dc.
 Maximum contact resistance : 100mΩ.
 Minimum insulation resistance : 100MΩ at 100V dc.
 Dielectric strength : 250V ac/1 minute.
 Contact arrangement : 1 pole 2 throw.

Materials:

Cover : Nickel silver.
 Base : UL 940V-0 Nylon high-temperature thermoplastic.
 Colour : Black.
 Dust proof : PTFE.
 Colour : White.
 Contact disc : Stainless with silver cladding.
 Terminal : Copper alloy with silver plated.

Soldering Process:

Hand soldering: Use a soldering iron of 30 watts, controlled 350°C approximately 5 seconds while applying.
Reflow soldering: When applying reflow soldering, the peak temperature or the reflow Oven should be set at 260°C maximum.



Temperature Profile

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	Suresh	11/02/08	A	M10000819	M2A-V_DWG	A
	APPROVED BY:	DATE:	SCALE: NTS		U.O.M.: mm (Inches)	SHEET: 3 OF 4
G.Cook	26/02/08					



PART NO.

MCM2A-L

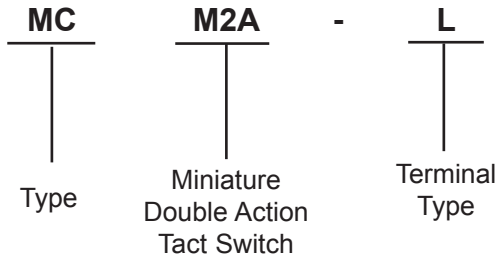
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Part Number Table

Description	Part Number
Switch, Tactile Double Action SMD	MCM2A-L

Part Number Explanation:



Terminal Type : L = J Blend.

<http://www.farnell.com>

<http://www.newark.com>

<http://www.cpc.co.uk>

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SCALE: NTS		U.O.M.: mm (Inches)	SHEET: 4 OF 4