

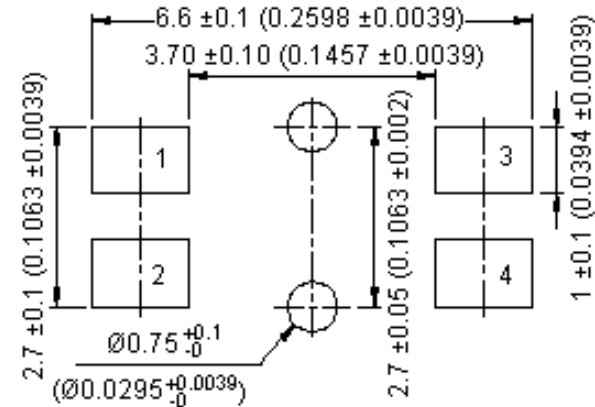
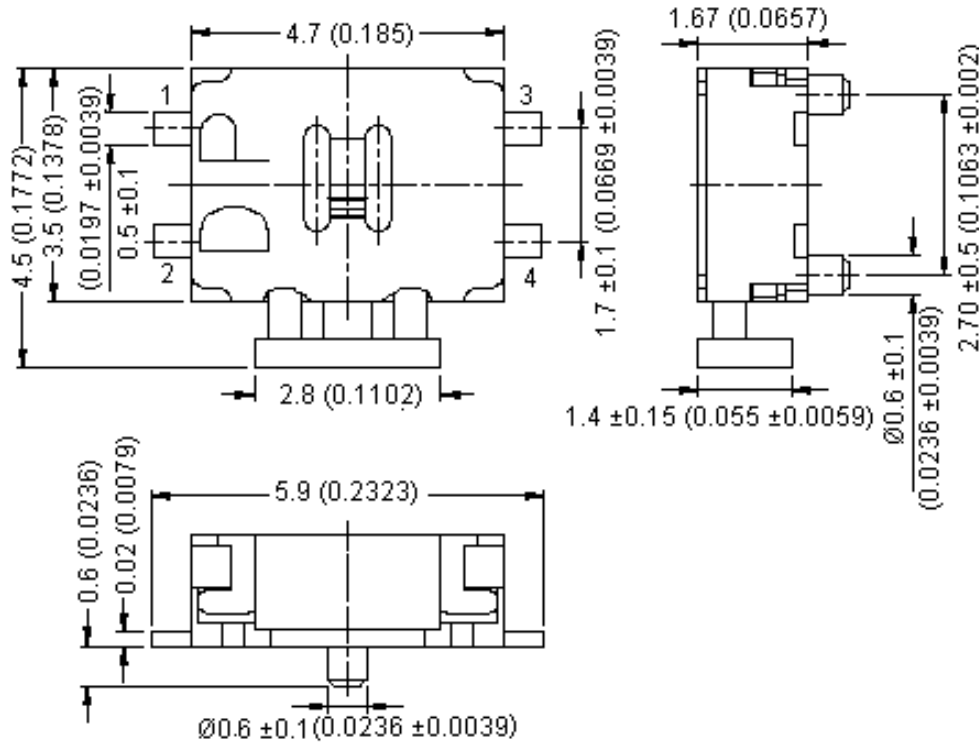


PART NO.

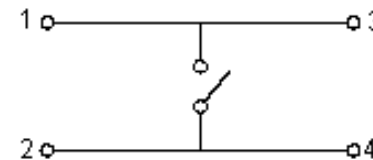
MCPTCF-V

REVISIONS

ECN #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
-	A	RELEASED	Asha	10/8/11	Veena	10/8/11		24/8/11



PCB Layout



Circuit Diagram

Dimensions : Millimetres (Inches)

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APPROVED BY:	DATE:
	24/08/11

DRAWING TITLE:			
TACT Switch - Horizontal			
SIZE	DWG NO.	ELECTRONIC FILE	REV
A	M10002708	PT-V_DWG	A
SCALE: NTS		U.O.M.: mm (Inches)	SHEET: 1 OF 3



PART NO.

MCPTCF-V

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Specifications:

Mechanical:

Operation force : 220 +80 / -70 gf side push
 160 ±50 gf vertical push
 Stroke : 0.3 +0.10 mm side push
 -0.15 mm
 0.20 ± 0.1 mm vertical push
 Operation temperature : -25°C to +70°C
 Storage temperature : -30°C to +80°C

Electrical:

Electrical life : 100,000 cycles / minute
 Rating : 50 mA, 12 V dc
 Maximum contact resistance : 100 mΩ
 Minimum insulation resistance : 100 MΩ at 500 V dc
 Dielectric strength : 250 V ac / 1 minute
 Contact arrangement : 1 pole 1 throw

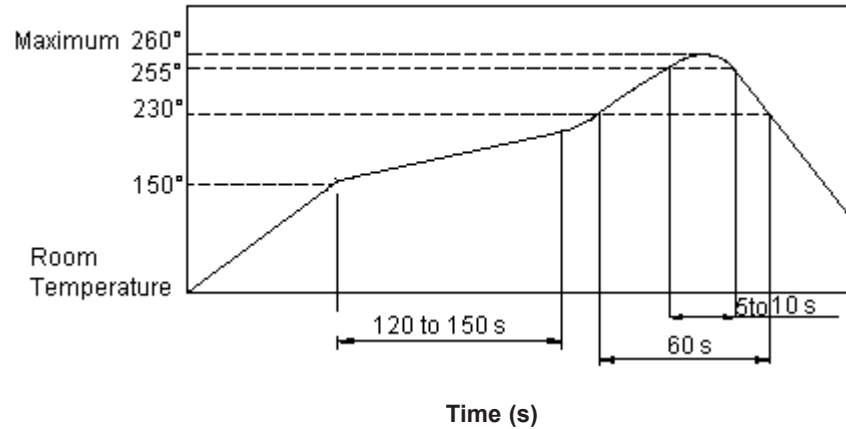
Material:

Cover : Stainless steel
 Contact DISC : Stainless steel
 Terminal : Brass with silver plated
 Base and stem : High-temperature thermoplastic
 Base and stem colour : Black
 Tape : Teflon

Soldering Process:

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

Reflow Temperature Profile:



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	CHECKED BY: Veena	DATE: 10/08/11	SIZE A	DWG NO. M10002708	ELECTRONIC FILE PT-V_DWG	REV A
	APPROVED BY:	DATE: 24/08/11	SCALE: NTS	U.O.M.: mm (Inches)	SHEET: 2 OF 3	



PART NO.

MCPTCF-V

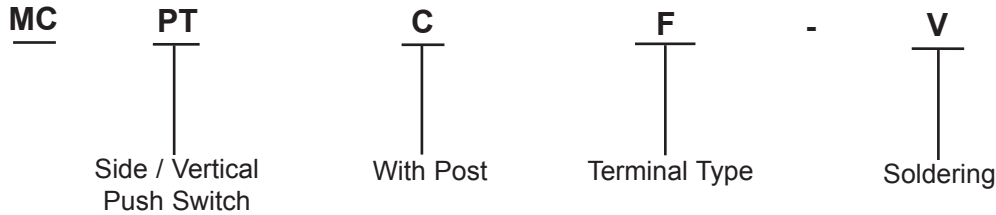
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-	A	RELEASED	Asha	10/8/11	Veena	10/8/11		24/8/11

Part Number Table

Description	Part Number
Switch, Side Push, SMT	MCPTCF-V

Part Number Explanation:



Terminal Type : F = Flat
 Soldering : V = Lead Free Solderable

www.element14.com
 www.farnell.com
 www.newark.com

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	Asha	10/08/11				
	CHECKED BY:	DATE:	SIZE	DWG NO.	ELECTRONIC FILE	REV
	Veena	10/08/11	A	M10002708	PT-V_DWG	A
APPROVED BY:	DATE:	SCALE: NTS		U.O.M.: mm (Inches)		SHEET: 3 OF 3
	24/08/11					