



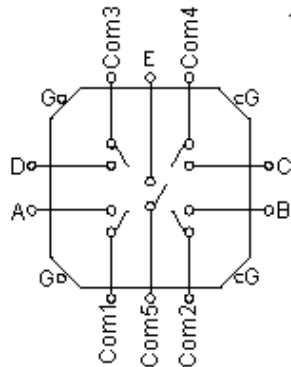
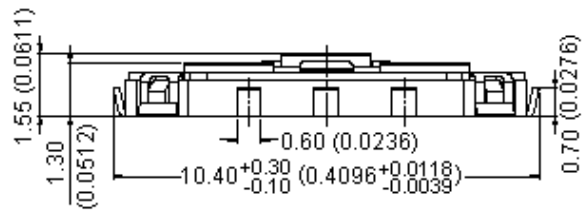
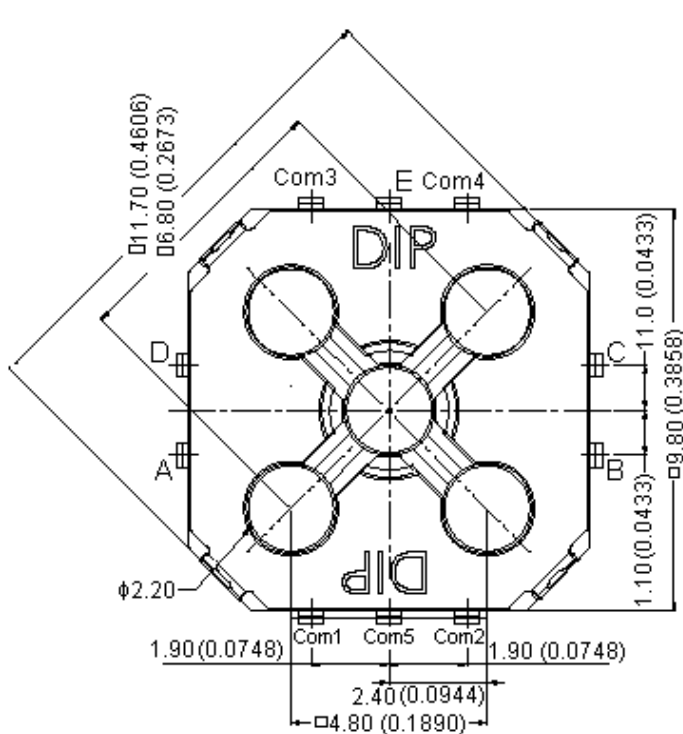
PART NO.

MCTT5-V

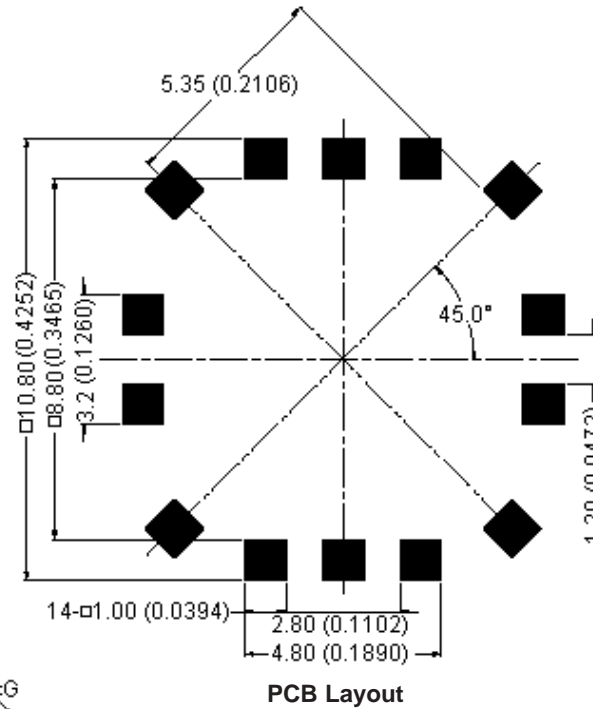
REVISIONS

ECN #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
-	A	RELEASED	Geetha	03/6/08	Suresh	03/6/08	G. C	17/6/08

MCTT5



Circuit



PCB Layout

Dimensions : Millimetres (Inches)

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Suresh	03/06/08
APPROVED BY:	DATE:
G.Cook	17/06/08

DRAWING TITLE:			
Navigation Switch - Multidirectional			
SIZE	DWG NO.	ELECTRONIC FILE	REV
A	M10001229	TT5-V_DWG	A
SCALE: NTS		U.O.M.: mm (Inches)	SHEET: 1 OF 3



PART NO.

MCTT5-V

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Specifications:

Mechanical:

Operating force : Side : 180 ±60gf.
 Center : 320+80/-60gf.
 Stroke : 0.25 ±0.15mm.
 Operating temperature range : -20°C to +70°C.
 Storage temperature range : -40°C to +85°C.

Electrical:

Electrical life : 200,000 cycles.
 Rating : 50mA, 12V dc.
 Maximum contact resistance : 100mΩ.
 Minimum insulation resistance : 100MΩ at 500V dc.
 Dielectric strength : 250V ac/1minute.
 Contact arrangement : 1 pole 1 throw.

Material:

Base : High-temperature thermoplastic.
 Cover : Nickel silver.
 Stem : High-temperature thermoplastic
 Color : Black
 Contact disc : Stainless with silver cladding.
 Terminal : Brass with silver plated.
 Tape : Teflon.

Soldering Process:

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

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Navigation Switch - Multidirectional			
SIZE	DWG NO.	ELECTRONIC FILE	REV
A	M10001229	TT5-V_DWG	A
SCALE: NTS		U.O.M.: mm (Inches)	SHEET: 2 OF 3



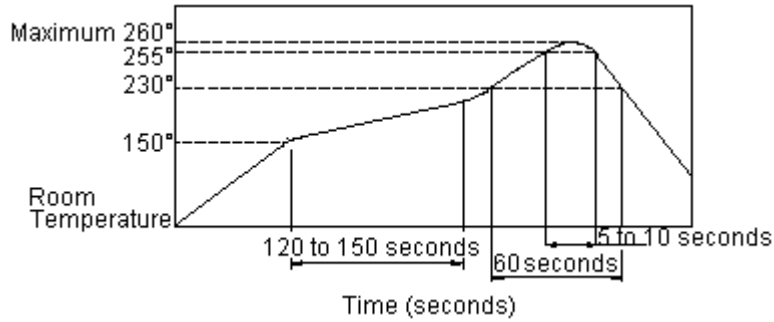
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MCTT5-V

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Reflow Temperature Profile:



Part Number Table

Description	Part Number
Navigation Switch, 5 Way Micro SMD	MCTT5-V

Part Number Explanation:



Soldering : V = Lead Free Solderable.

- <http://www.farnell.com>
- <http://www.newark.com>
- <http://www.cpc.co.uk>

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SIZE	DWG NO.	ELECTRONIC FILE	REV
A	M10001229	TT5-V_DWG	A
SCALE: NTS	U.O.M.: mm (Inches)	SHEET: 3 OF 3	