

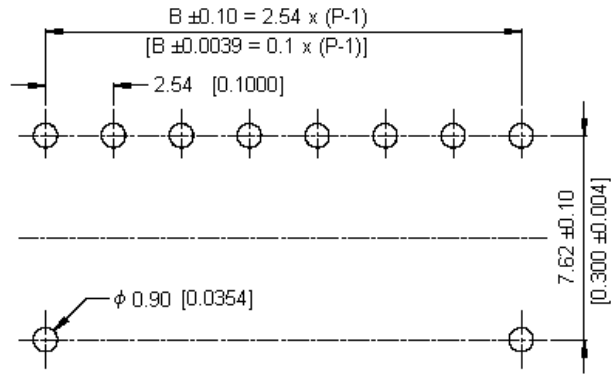
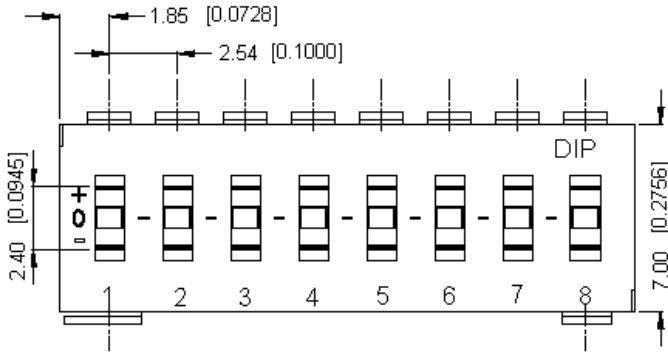


PART NO.

MCTI Series

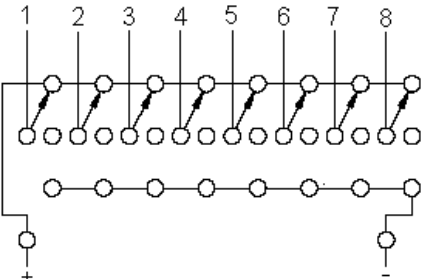
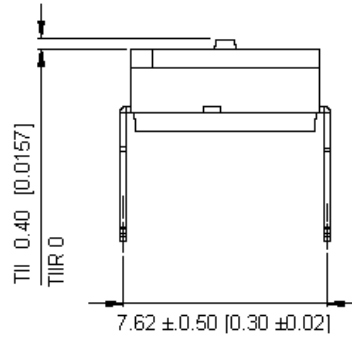
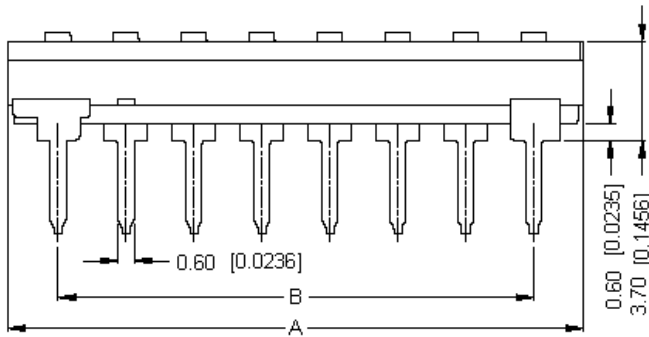
REVISIONS

ECN #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
-	A	RELEASED	Sumana	07/3/08	Suresh	07/3/08	G. C	21/3/08



MCTIIR

PCB Layout



Circuit Diagram

Dimensions : Millimetres (Inches)

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APPROVED BY:	DATE:
G.Cook	21/03/08

DRAWING TITLE:			
Dual In Line Switches - Tri-State - IC Type			
SIZE	DWG NO.	ELECTRONIC FILE	REV
A	M10000827	TII(M)R-V_DWG	A
SCALE: NTS	U.O.M.: mm (Inches)	SHEET: 1 OF 4	



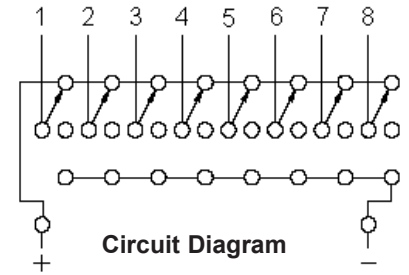
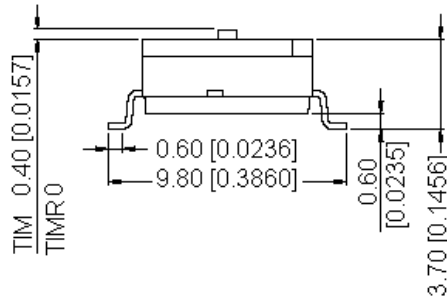
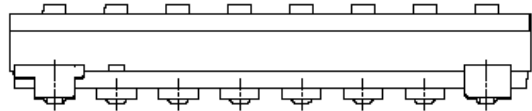
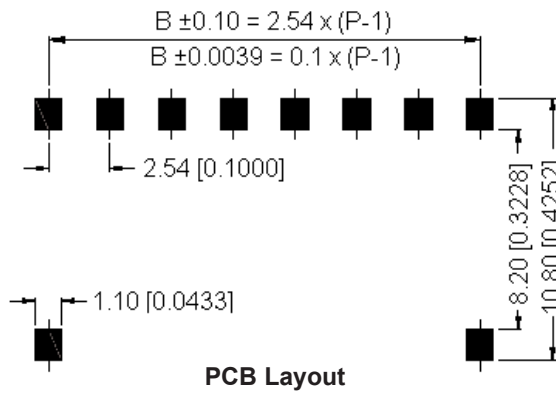
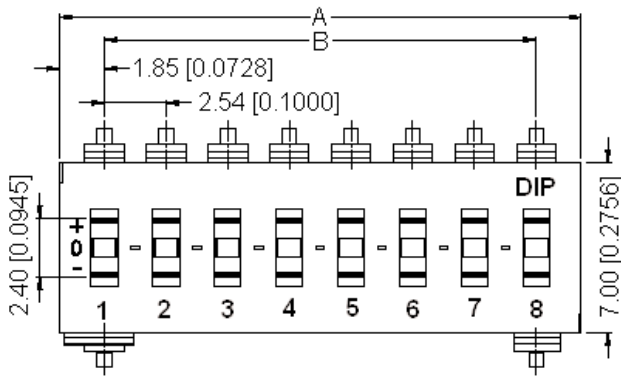
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MCTIMR



Circuit Diagram

Dimensions : Millimetres (Inches)

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G.Cook	21/03/08

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Dual In Line Switches - Tri-State - IC Type			
SIZE	DWG NO.	ELECTRONIC FILE	REV
A	M10000827	TII(M)R-V_DWG	A
SCALE: NTS		U.O.M.: mm (Inches)	SHEET: 2 OF 4



PART NO.

MCTI Series

REVISIONS

ECN #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
-	A	RELEASED	Sumana	07/3/08	Suresh	07/3/08	G. C	21/3/08

Specifications:

Mechanical:

Mechanical life : 2,000 operations.
 Maximum operating force : 1,000gf.
 Stroke : 0.8mm.
 Operating temperature : -20°C to +85°C.
 Storage temperature : -40°C to +85°C.

Electrical:

Electrical life : 2,000 cycles.
 Rating : 25mA, 24V dc.
 Maximum contact resistance : 100mΩ.
 Dielectric strength : 500V ac/1 minute.
 Circuit : 3 switching positions.

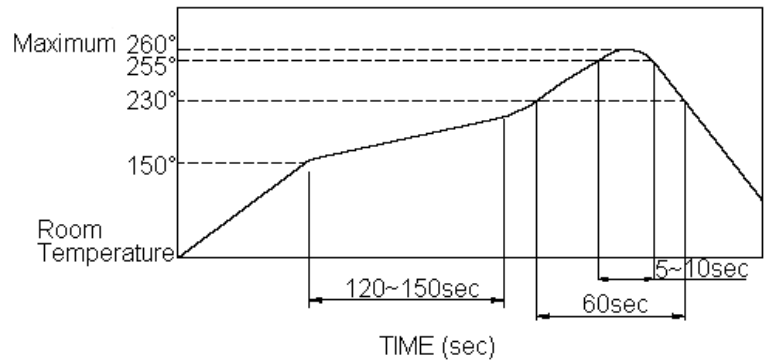
Material:

Base and cover : UL 94V-0 Nylon high temperature thermoplastic.
 Colour : Black.
 Actuators : UL 94V-0 LCP high temperature thermoplastic.
 Colour : White.
 Contact : Alloy copper with gold plated.
 Terminal : Brass with gold plated.
 Tape : Kapton

Soldering Process:

Wave soldering : Recommended solder 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 while applying.
Reflow soldering : When applying reflow soldering, the peak temperature or the reflow oven should be set at 260°C maximum.
 Do not wash the switch body except top tape sealed type, which suitable for spray cleaning method from top of the s/w.
 Any flux enters the switch may fail the conductivity.

Reflow Temperature Profile



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G.Cook	21/03/08

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Dual In Line Switches - Tri-State - IC Type			
SIZE	DWG NO.	ELECTRONIC FILE	REV
A	M10000827	TII(M)R-V_DWG	A
SCALE: NTS		U.O.M.: mm (Inches)	SHEET: 3 OF 4



PART NO.

MCTI Series

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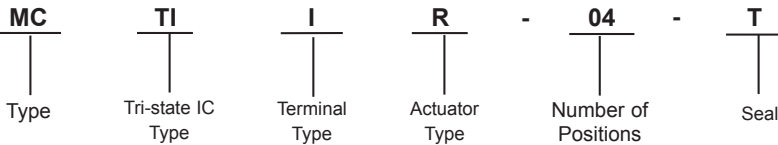
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-	A	RELEASED	Sumana	07/3/08	Suresh	07/3/08	G. C	21/3/08

Specifications Table

Number of Positions	A	B	Part Number
4	11.32 (0.446)	7.62 (0.300)	MCTIIR-04-T
8	21.48 (0.846)	17.78 (0.700)	MCTIIR-08-T
10	26.56 (1.046)	22.86 (0.900)	MCTIIR-10-T
4	11.32 (0.446)	7.62 (0.300)	MCTIMR-04
8	21.48 (0.846)	17.78 (0.700)	MCTIMR-08
10	26.56 (1.046)	22.86 (0.900)	MCTIMR-10

Dimensions: Millimetres (Inches)

Part Number Explanation



- Terminal Type** : I = Through Hole Type.
M = SMT Type.
- Actuator Type** : R = Recessed Actuator.
- Number of Positions** : 04 = 4 Positions.
08 = 8 Positions.
10 = 10 Positions.
- Seal** : = Without top tape.
T = Top tape sealed.
(For recessed actuator only)

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