

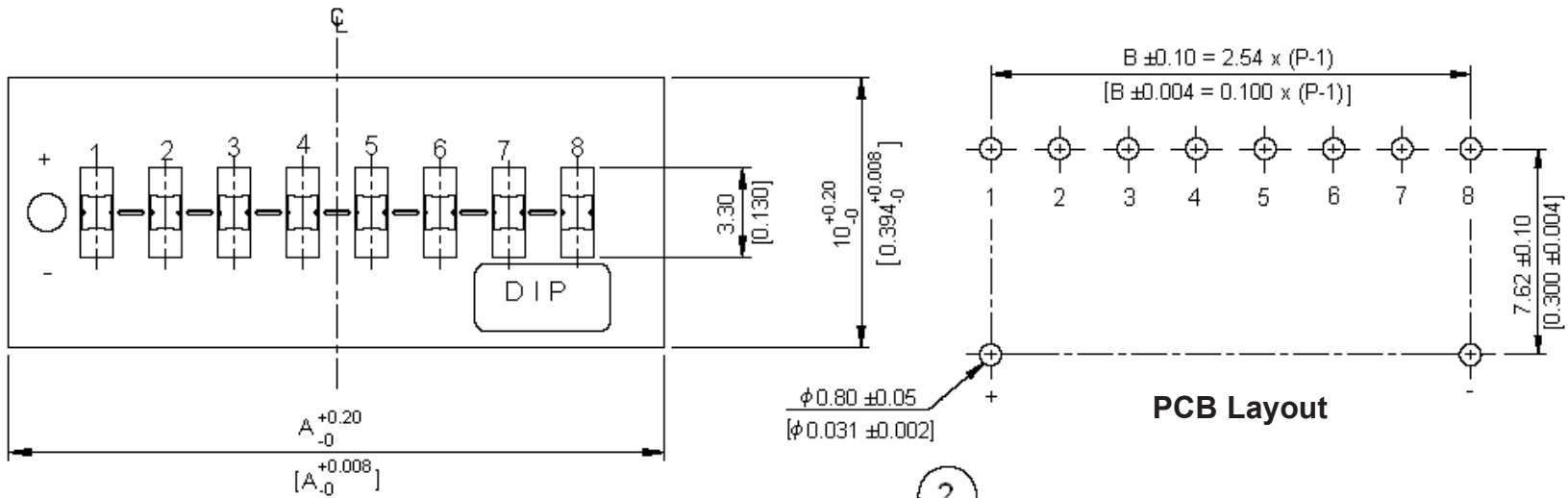


PART NO.

MCTDS Series

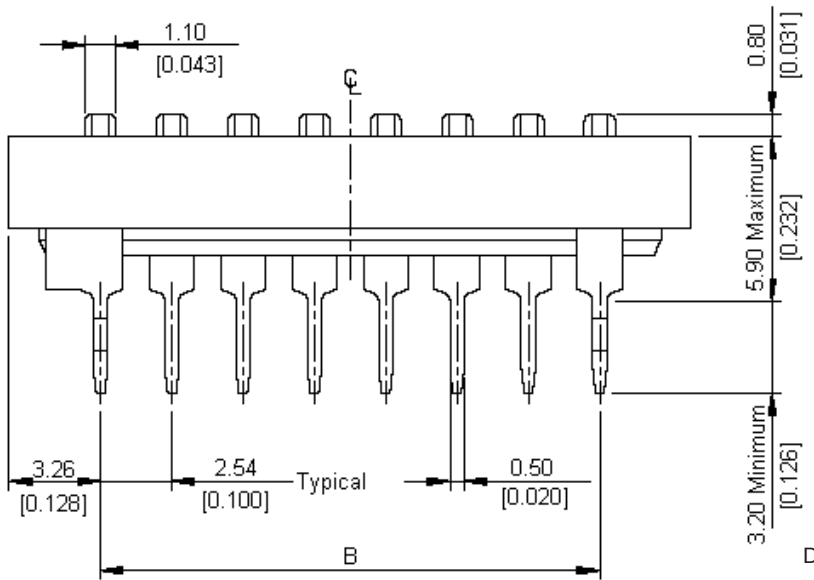
REVISIONS

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

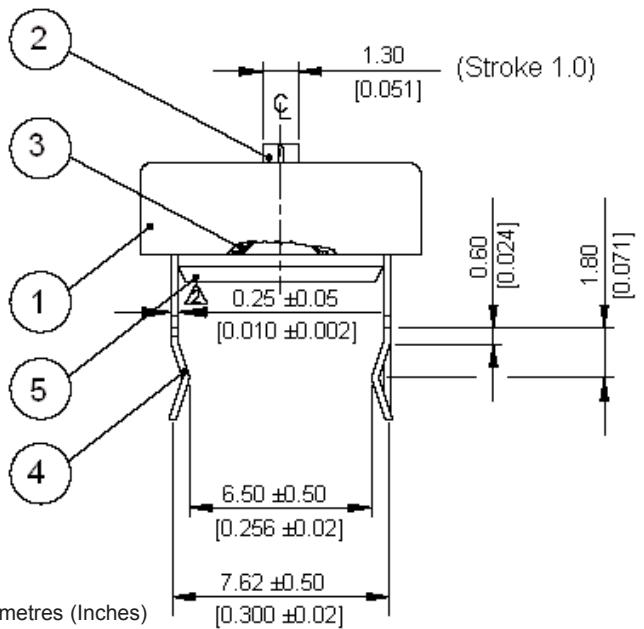


$\phi 0.80 \pm 0.05$
[$\phi 0.031 \pm 0.002$]

PCB Layout



Dimensions : Millimetres (Inches)



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TOLERANCES:
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DRAWN BY:	DATE:
Siva	07/03/08
CHECKED BY:	DATE:
Suresh	07/03/08
APPROVED BY:	DATE:
G.Cook	21/03/08

DRAWING TITLE:			
Dual In Line Switches - Tri-State			
SIZE	DWG NO.	ELECTRONIC FILE	REV
A	M10000826	TDS-V_DWG	A
SCALE: NTS		U.O.M.: mm (Inches)	SHEET: 1 OF 3



PART NO.

MCTDS Series

REVISIONS

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Specifications:

Mechanical:

Mechanical life : 2,000 operation cycles.
 Maximum operating force : 1,000gf.
 Stroke : 1.0mm.
 Operating temperature : -20°C to +70°C.
 Storage temperature : -40°C to +85°C.

Electrical:

Electrical life : 2,000 cycles.
 Non-switching rating : 100mA, 50V dc.
 Switching rating : 25mA, 24V dc.
 Maximum Contact resistance : (a) 50mΩ at initial
 (b) 100mΩ after life test.
 Minimum Insulation resistance : 100MΩ at 500V dc.
 Dielectric strength : 500V ac/1 minute.
 Circuit : 3 switching positions.

Material:

Base and cover : UL 94V-0 PBT high thermoplastic.
 Colour : Black.
 Actuators : UL 94V-0 Nylon thermoplastic.
 Colour : White.
 Contact : Alloy copper with gold plated.
 Terminal : Brass with gold plated.
 Contact plating : Gold plating over nickel.

Soldering Process:

Keep all switch contacts in their "O" positions for all operations.

Wave soldering : Recommended solder temperature at 500°F (260°C) maximum 5 seconds.

Hand soldering : Use a soldering iron of 30 watts, controlled at 350°C approximately 5 seconds while applying solder.

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CHECKED BY:

Suresh

APPROVED BY:

G.Cook

DATE:

07/03/08

DATE:

07/03/08

DATE:

21/03/08

DRAWING TITLE:

Dual In Line Switches - Tri-State

SIZE **A** DWG NO. **M10000826**

ELECTRONIC FILE TDS-V_DWG

REV **A**

SCALE: NTS

U.O.M.: mm (Inches)

SHEET: 2 OF 3



PART NO.

MCTDS Series

REVISIONS

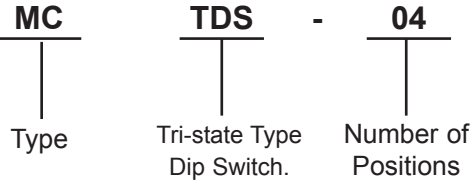
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-	A	RELEASED	Siva	07/3/08	Suresh	07/3/08	G. C	21/3/08

Specifications Table

Number of Positions	A	B	Part Number
4	14.14 (0.557)	7.62 (0.300)	MCTDS-04
10	29.38 (1.157)	22.86 (0.900)	MCTDS-10

Dimensions: Millimetres (Inches)

Part Number Explanation



Number of Positions : 04 = 4 Positions.
10 = 10 Positions.

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

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SIZE	DWG NO.	ELECTRONIC FILE	REV
A	M10000826	TDS-V_DWG	A
SCALE: NTS		U.O.M.: mm (Inches)	SHEET: 3 OF 3