

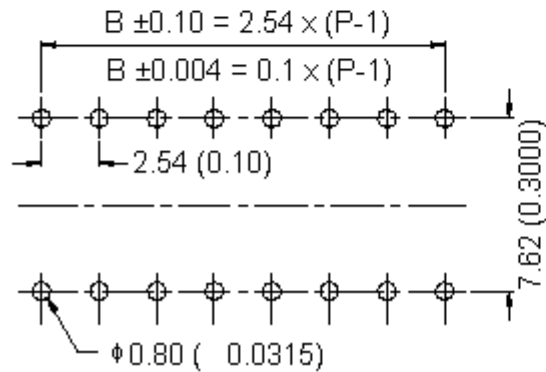
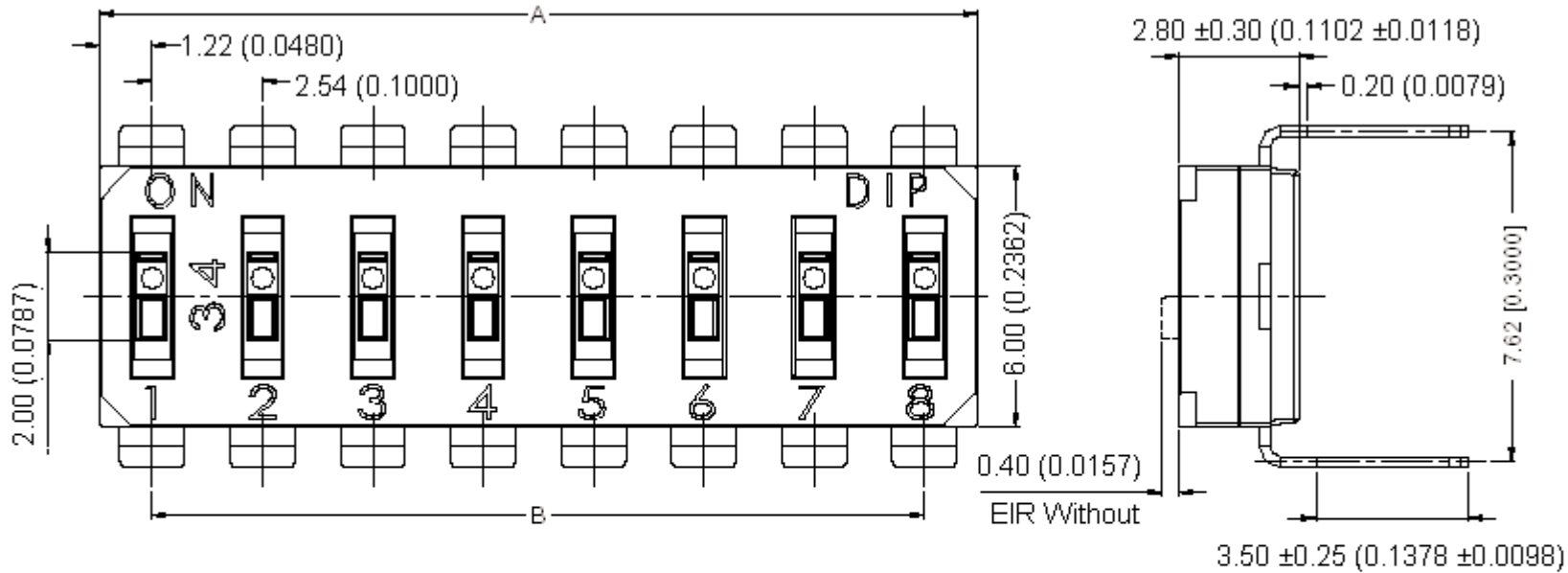


PART NO.

MCEI Series

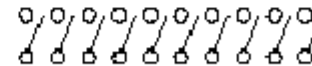
REVISIONS

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



PCB Layout

Schematic (Typical)



(1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 12 Positions Available)

Dimensions : Millimetres (Inches)

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TOLERANCES:

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Jagan

DATE:

11/02/08

CHECKED BY:

Suresh

DATE:

11/02/08

APPROVED BY:

G.Cook

DATE:

26/02/08

DRAWING TITLE:

Dual In Line Switches - End Stackable

SIZE
A

DWG NO.

M10000815

ELECTRONIC FILE
EI-EIR_DWGREV
A

SCALE: NTS

U.O.M.: mm (Inches)

SHEET: 1 OF 5



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MCEI Series

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Specifications:**Mechanical:**

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

Electrical:

Electrical life : 2,000 cycles.
Rating : 25mA, 24V dc.
Minimum contact resistance : 100mΩ at 500V dc.
Maximum insulation resistance : 100MΩ at 500V dc.
Dielectric strength : 500V ac/1 minute.
Contact arrangement : 1 pole throw.

Materials:

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

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26/02/08

DRAWING TITLE:**Dual In Line Switches - End Stackable****SIZE**
A**DWG NO.****M10000815****ELECTRONIC FILE**
EI-EIR_DWG**REV**
A**SCALE: NTS****U.O.M.: mm (Inches)****SHEET: 2 OF 5**

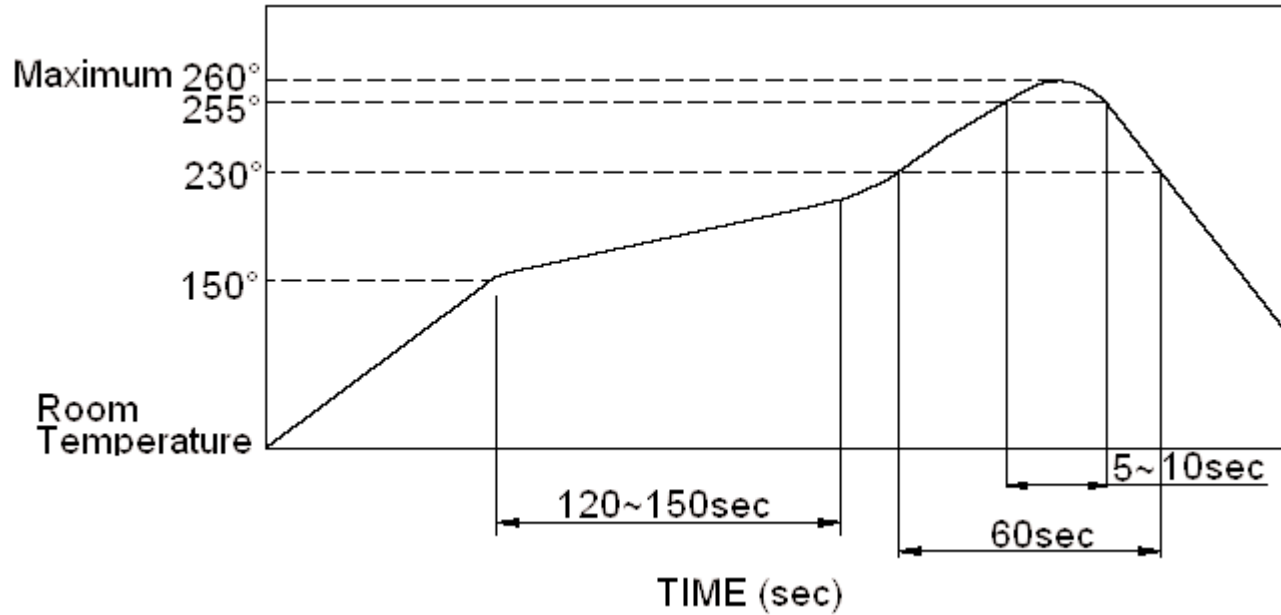


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MCEI Series

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Reflow Temperature Profile

Soldering Process:**Wave soldering:** Recommended solder temperature at 500°F (260°C) maximum of 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 except top tape sealed type, which suitable for spray cleaning method from top of the s/w.

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SHEET: 3 OF 5



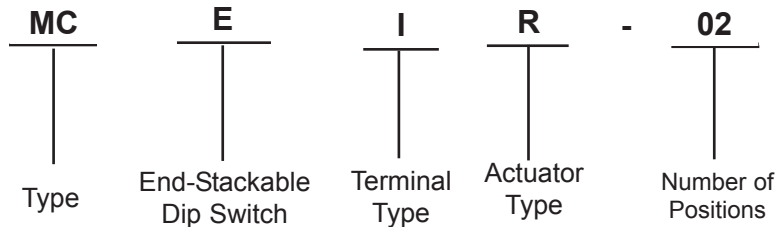
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Part Number Explanation:



Terminal Type : I = Through Hole Type.
Actuator Type : R = Recessed Actuator.
 □ = Raised Actuator.
Number of Positions : 02, 03, 04, 05, 06, 07, 08, 09, 10, 12 Positions.

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

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SHEET: 5 OF 5