

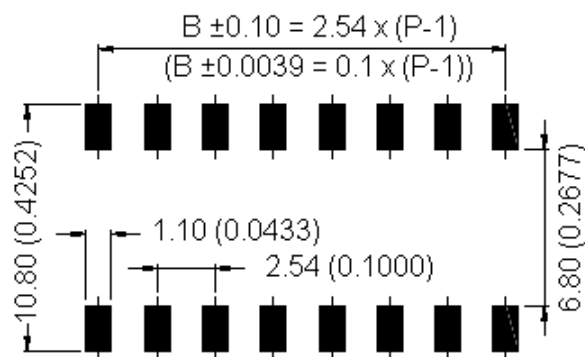
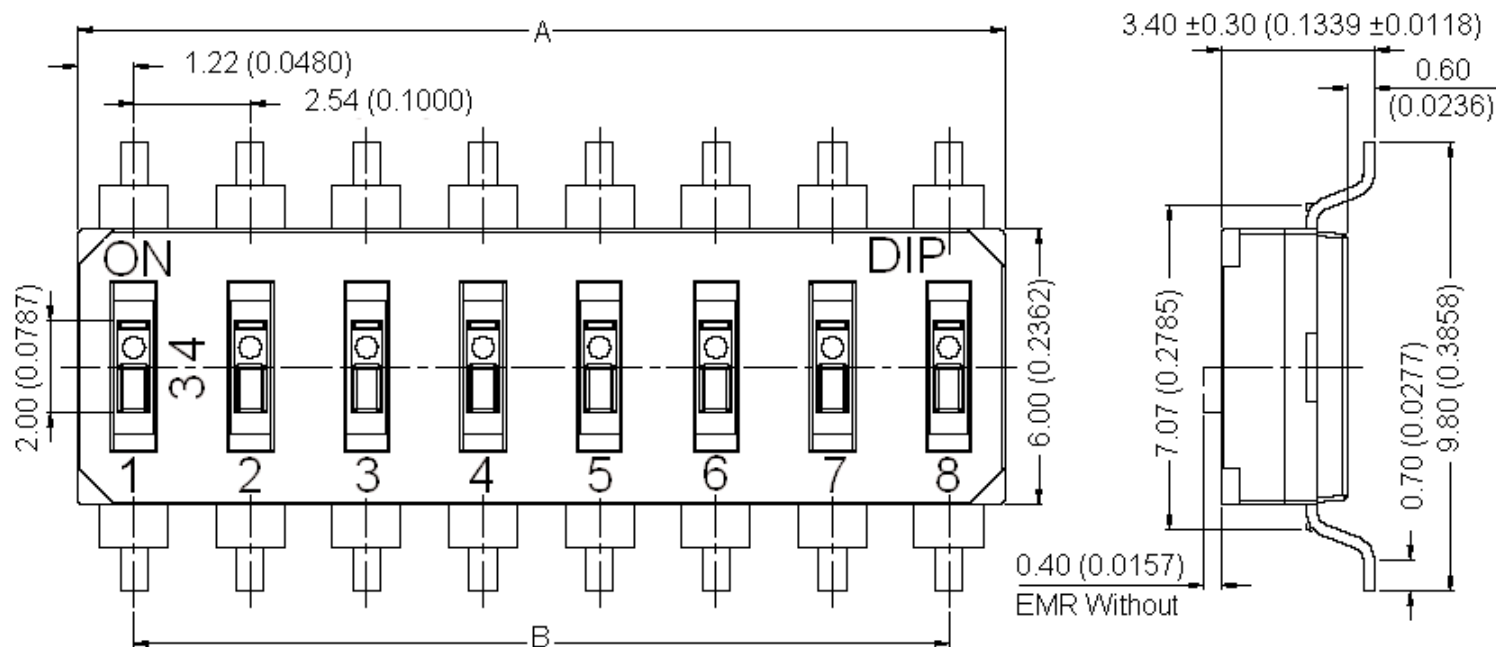


PART NO.

MCEMR 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



PCB Layout

Dimensions : Millimetres (Inches)

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Siva

DATE:

07/03/08

CHECKED BY:

Suresh

07/03/08

APPROVED BY:

G.Cook

DATE:

21/03/08

DRAWING TITLE:

Dual In Line Switches - End Stackable

SIZE
A

DWG NO.

M10000814

ELECTRONIC FILE
EI(M)R-V_DWGREV
A

SCALE: NTS

U.O.M.: mm (Inches)

SHEET: 1 OF 3



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Specifications:

Mechanical:

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

Material:

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.

Soldering Process:

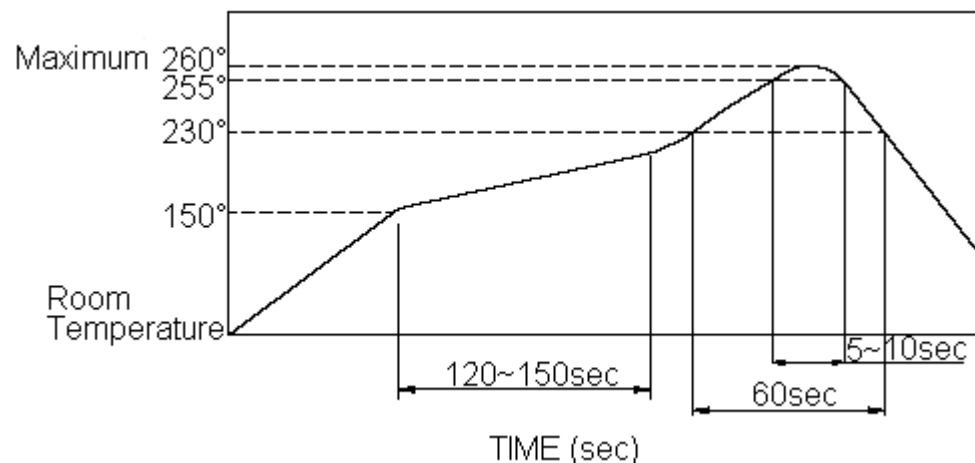
Wave soldering : Recommended solder temperature at 500°F (260°C) maximum 5 seconds for through hole type.

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 except top tape sealed type, which suitable for spray cleaning method from top of the s/w.

Reflow Temperature Profile



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U.O.M.: mm (Inches)

SHEET: 2 OF 3



PART NO.

MCEMR Series

REVISIONS

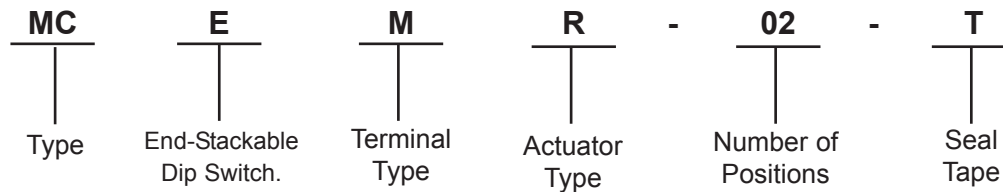
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-	A	RELEASED	Siva	07/3/08	Suresh	07/3/08	G. C	21/3/08

Specifications Table

Number of Positions	A	B	Part Number
2	4.98 (0.196)	2.54 (0.100)	MCEMR-02-T
3	7.52 (0.296)	5.08 (0.200)	MCEMR-03-T
4	10.06 (0.396)	7.62 (0.300)	MCEMR-04-T
5	12.60 (0.496)	10.16 (0.400)	MCEMR-05-T
6	15.14 (0.596)	12.70 (0.500)	MCEMR-06-T
7	17.68 (0.696)	15.24 (0.600)	MCEMR-07-T
8	20.22 (0.796)	17.78 (0.700)	MCEMR-08-T
9	22.76 (0.896)	20.32 (0.800)	MCEMR-09-T
10	25.3 (0.996)	22.86 (0.900)	MCEMR-10-T
12	30.38 (1.196)	27.94 (1.100)	MCEMR-12-T

Dimensions: Millimetres (Inches)

Part Number Explanation



Terminal Type : M = SMT Type
Actuator Type : R = Recessed Actuator
Number of Positions : 02, 03, 04 05, 06, 07, 08, 09, 10, 12 Positions.
Seal Tape : T = Top Tape Sealed (For Recessed Actuator only)

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

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