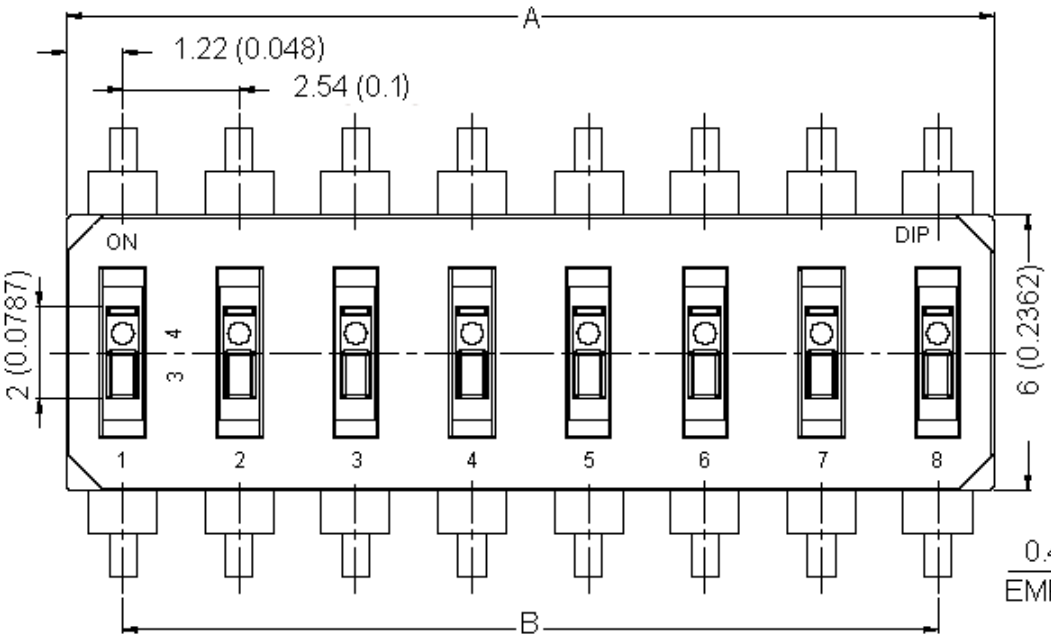
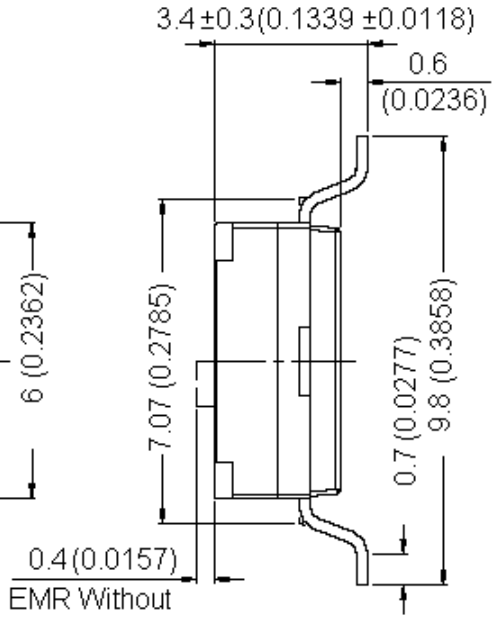
multicomp

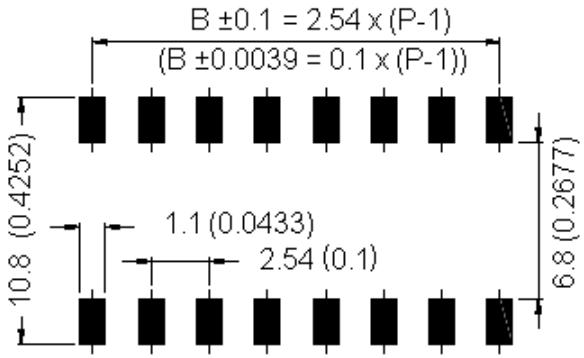
PART NO.

MCEMR Series

REVISIONS									
ECN #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
-	A	RELEASED	Ashok	19/01/12	Jagan	19/01/12	Farnell	02/02/12







PCB Layout

Dimensions : Millimetres (Inches)

TOLERANCES:

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE FOR REFERENCE PURPOSES ONLY.

DRAWN BY:	DATE:
Ashok	19/01/12
CHECKED BY:	DATE:
Jagan	19/01/12
APPROVED BY:	DATE:
	02/02/12

DRAWING TITLE:

Dual In Line Switches - End Stackable

SIZE	DWG NO.	ELECTRONIC FILE	REV
A	M10000814	EI(M)R-V_DWG	A

SCALE: NTS | U.O.M.: mm (Inches) | SHEET: 1 OF 3

multicomp	PART NO. MCEMR Series	REVISIONS									
		ECN #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
		-	A	RELEASED	Ashok	19/01/12	Jagan	19/01/12	Farnell	02/02/12

Specifications:

Mechanical:

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

Electrical:

Electrical life	: 2,000 cycles
Rating	: 25 mA, 24 V dc
Minimum Contact resistance	: 100 mΩ at 500 V dc
Maximum Insulation resistance	: 100 MΩ at 500 V dc
Dielectric strength	: 500 V 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:

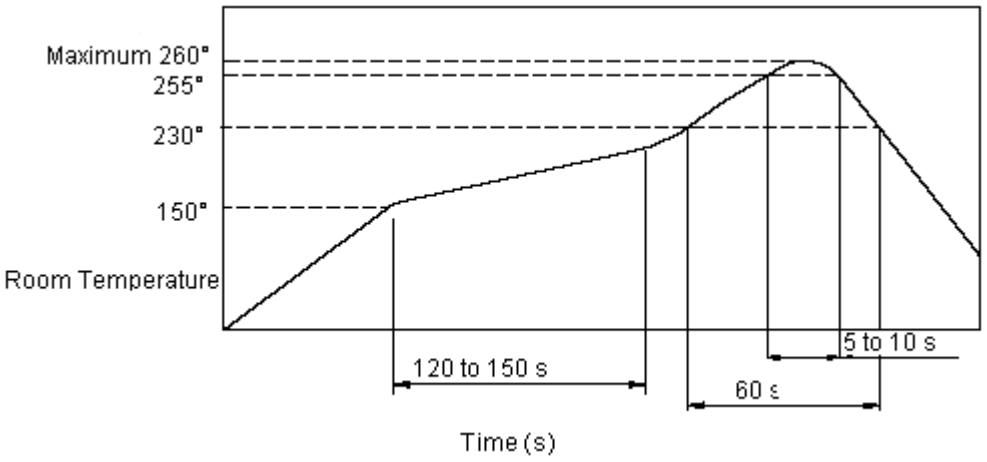
Wave soldering : Recommended solder temperature at 500°F (260°C) maximum 5 seconds for through hole type

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



TOLERANCES:

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DRAWN BY:	DATE:
Ashok	19/01/12
CHECKED BY:	DATE:
Veena	19/01/12
APPROVED BY:	DATE:
	02/02/12

DRAWING TITLE: **Dual In Line Switches - End Stackable**

SIZE	DWG NO.	ELECTRONIC FILE	REV
A	M10000814	EI(M)R-V_DWG	A

SCALE: NTS | U.O.M.: mm (Inches) | SHEET: 2 OF 3

multicomp

PART NO.

MCEMR Series

REVISIONS									
ECN #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
-	A	RELEASED	Ashok	19/01/12	Jagan	19/01/12	Farnell	02/02/12

Specifications Table

Number of Positions	A	B	Part Number
2	4.98 (0.196)	2.54 (0.1)	MCEMR-02-T
3	7.52 (0.296)	5.08 (0.2)	MCEMR-03-T
4	10.06 (0.396)	7.62 (0.3)	MCEMR-04-T
5	12.6 (0.496)	10.16 (0.4)	MCEMR-05-T
6	15.14 (0.596)	12.7 (0.5)	MCEMR-06-T
7	17.68 (0.696)	15.24 (0.6)	MCEMR-07-T
8	20.22 (0.796)	17.78 (0.7)	MCEMR-08-T
9	22.76 (0.896)	20.32 (0.8)	MCEMR-09-T
10	25.3 (0.996)	22.86 (0.9)	MCEMR-10-T
12	30.38 (1.196)	27.94 (1.1)	MCEMR-12-T

Dimensions: Millimetres (Inches)

Part Number Explanation

MC	E	M	R	-	02	-	T
Type	End-Stackable Dip Switch.	Terminal Type	Actuator Type		Number of Positions		Seal Tape

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)

www.element14.com
www.farnell.com
www.newark.com

TOLERANCES:

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Ashok	19/01/12
CHECKED BY:	DATE:
Veena	19/01/12
APPROVED BY:	DATE:
	02/02/12

DRAWING TITLE:

Dual In Line Switches - End Stackable

SIZE	DWG NO.	ELECTRONIC FILE	REV
A	M10000814	EI(M)R-V_DWG	A

SCALE: NTS | U.O.M.: mm (Inches) | SHEET: 3 OF 3