



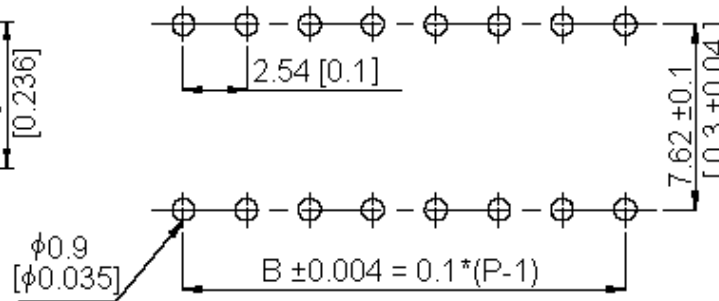
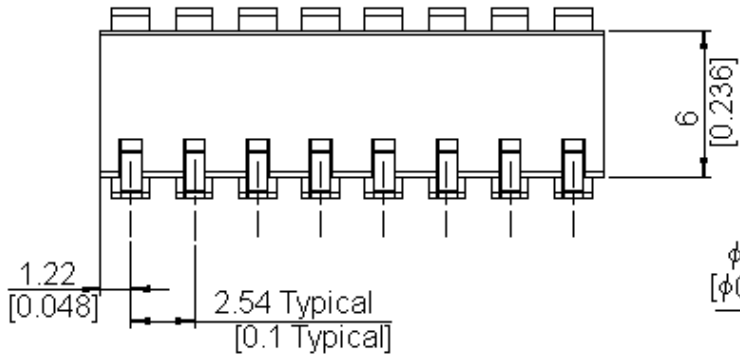
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MCEP Series

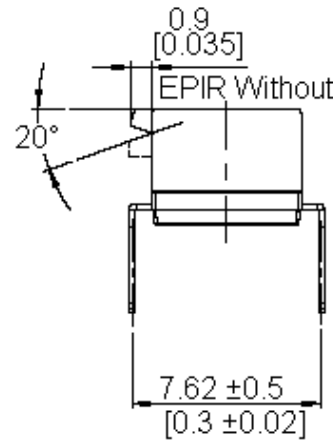
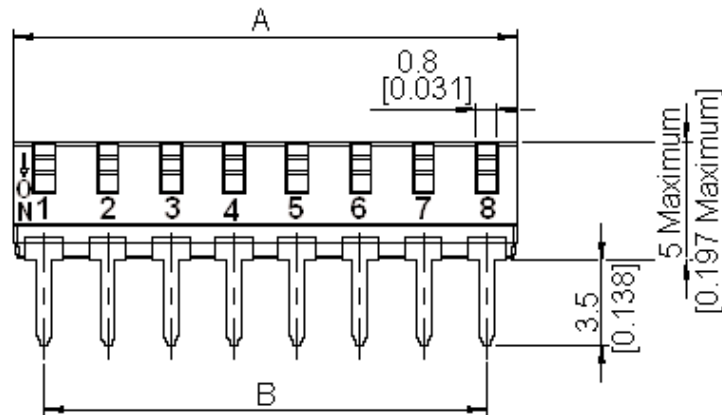
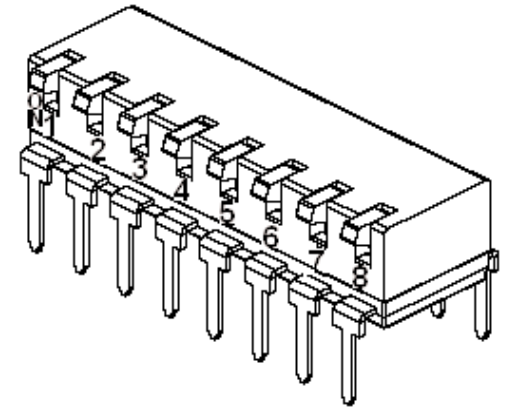
REVISIONS

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

EPI



PCB Layout



Schematic (Typical)



2, 4, 6, 8, 10 Positions Available

Dimensions: Millimetres (Inches)

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

DRAWING TITLE:			
Dual In Line Switches - Piano Type			
SIZE	DWG NO.	ELECTRONIC FILE	REV
A	M10000816	EPI(M)-V_DWG	A
SCALE: NTS		U.O.M.: mm (Inches)	SHEET: 1 OF 6



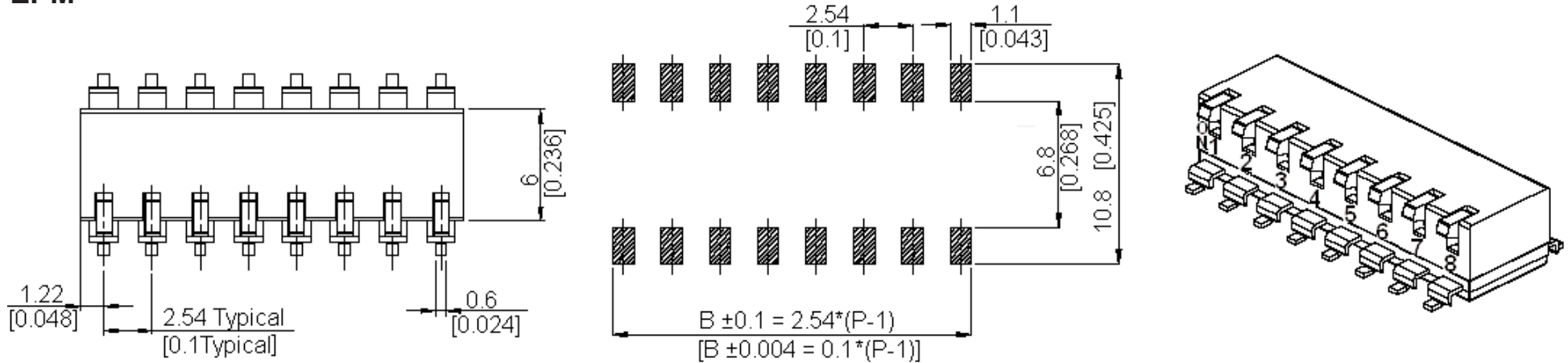
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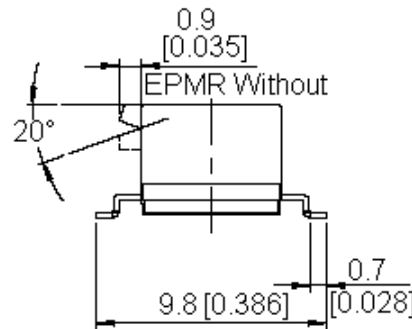
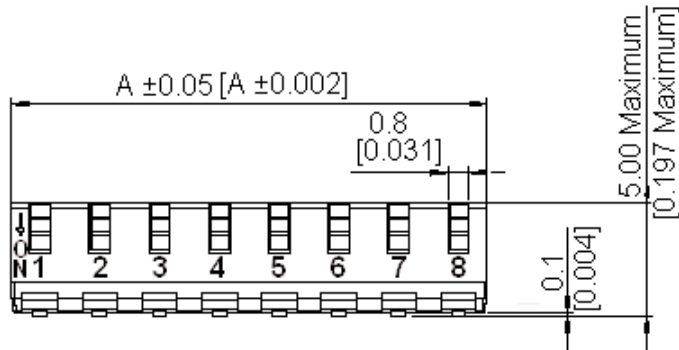
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PCB Layout



Schematic (Typical)



2, 4, 6, 8, 10 Positions Available

Dimensions: Millimetres (Inches)

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

DRAWING TITLE:			
Dual In Line Switches - Piano Type			
SIZE	DWG NO.	ELECTRONIC FILE	REV
A	M10000816	EPI(M)-V_DWG	A
SCALE: NTS		U.O.M.: mm (Inches)	SHEET: 2 OF 6



PART NO.

MCEP Series

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Specifications:

Mechanical:

Maximum operating force : 800 gf
 Operating temperature range : -20°C to +85°C
 Storage temperature range : -40°C to +85°C
 Mechanical life : 2,000 cycles

Electrical:

Electrical life : 2,000 cycles
 Rating : 25 mA, 24 V dc
 Maximum 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 : Single pole and single throw

Materials:

Cover : UL 94V-0 Nylon high temperature thermoplastic
 Colour : Black
 Base : UL 94V-0 Nylon high temperature thermoplastic
 Colour : Black
 Stem : UL 94V-0 Nylon high temperature thermoplastic
 Colour : White
 Contact : Alloy copper with gold cladding
 Terminal : Brass with gold cladding

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

DRAWING TITLE:

Dual In Line Switches - Piano Type

SIZE A	DWG NO. M10000816	ELECTRONIC FILE EPI(M)-V_DWG	REV A
SCALE: NTS		U.O.M.: mm (Inches)	SHEET: 3 OF 6

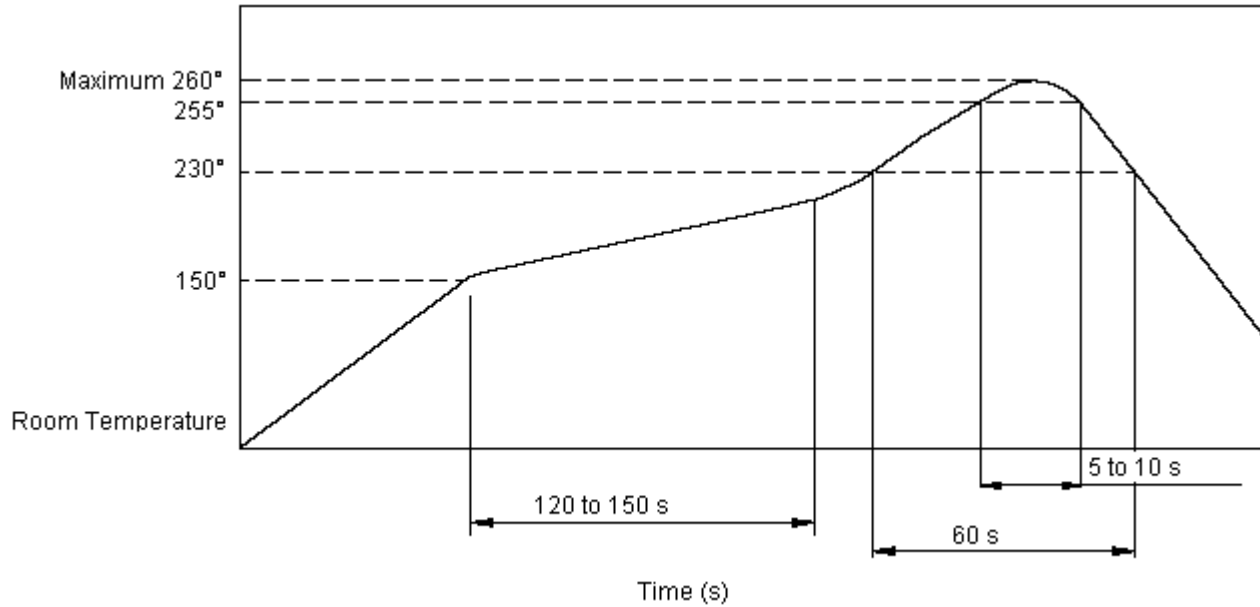


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Reflow Temperature Profile

Soldering Process:

Wave soldeing: 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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	02/02/12

DRAWING TITLE:			
Dual In Line Switches - Piano Type			
SIZE	DWG NO.	ELECTRONIC FILE	REV
A	M10000816	EPI(M)-V_DWG	A
SCALE: NTS		U.O.M.: mm (Inches)	SHEET: 4 OF 6



PART NO.

MCEP Series

REVISIONS

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Specification Table

Number of Positions	Dimensions (A)	Dimensions (B)	Part Number
2	4.98 (0.196)	2.54 (0.1)	MCEPI-02
4	10.06 (0.396)	7.62 (0.3)	MCEPI-04
6	15.14 (0.596)	12.7 (0.5)	MCEPI-06
8	20.22 (0.796)	17.78 (0.7)	MCEPI-08
10	25.3 (0.996)	22.86 (0.9)	MCEPI-10
2	4.98 (0.196)	2.54 (0.1)	MCEPM-02
4	10.06 (0.396)	7.62 (0.3)	MCEPM-04
6	15.14 (0.596)	12.7 (0.5)	MCEPM-06
8	20.22 (0.796)	17.78 (0.7)	MCEPM-08
10	25.3 (0.996)	22.86 (0.9)	MCEPM-10

Dimensions : Millimetres (Inches)

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SIZE	DWG NO.	ELECTRONIC FILE	REV
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SCALE: NTS		U.O.M.: mm (Inches)	SHEET: 5 OF 6