



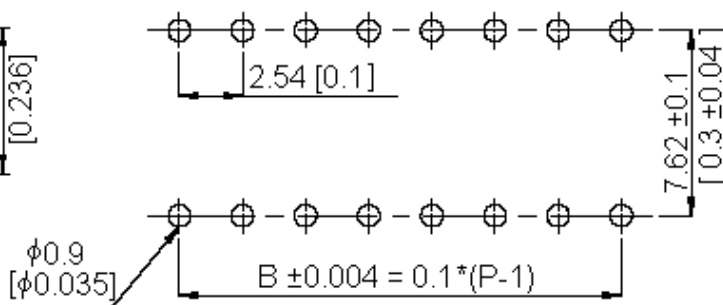
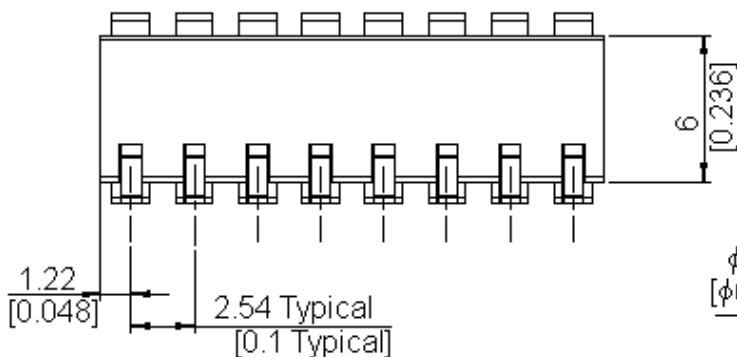
PART NO.

MCEP Series

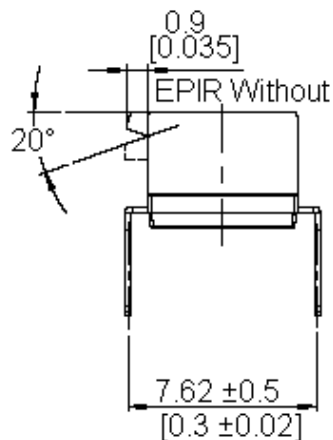
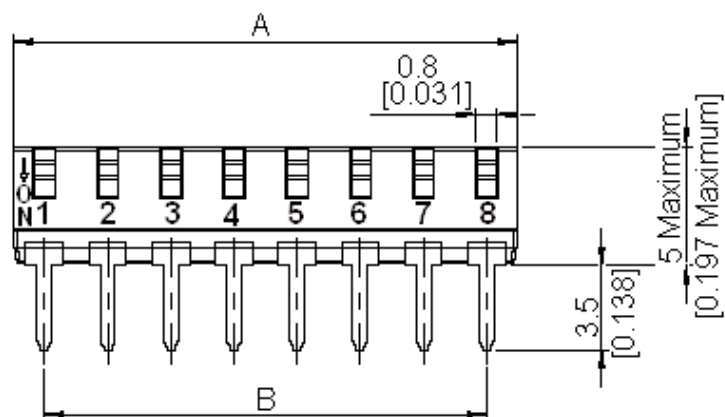
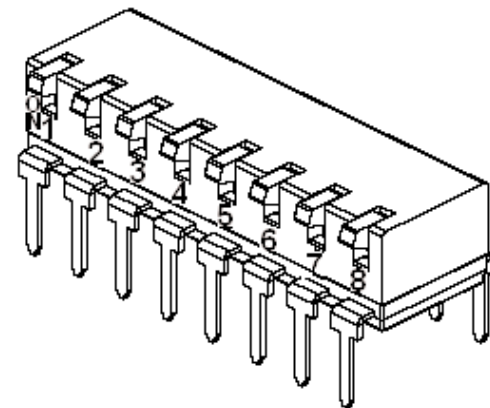
REVISIONS

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

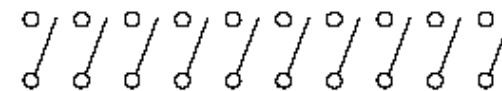
EPI



PCB Layout



Schematic (Typical)



2, 4, 6, 8, 10 Positions Available

Dimensions: Millimetres (Inches)

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Ashok

DATE:

19/01/12

CHECKED BY:

Jagan

DATE:

19/01/12

APPROVED BY:

DATE:

02/02/12

DRAWING TITLE:

Dual In Line Switches - Piano TypeSIZE
A

DWG NO.

M10000816

ELECTRONIC FILE

EPI(M)-V_DWG

REV

A

SCALE: NTS

U.O.M.: mm (Inches)

SHEET: 1 OF 6



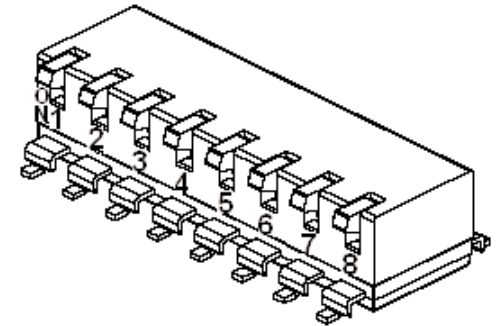
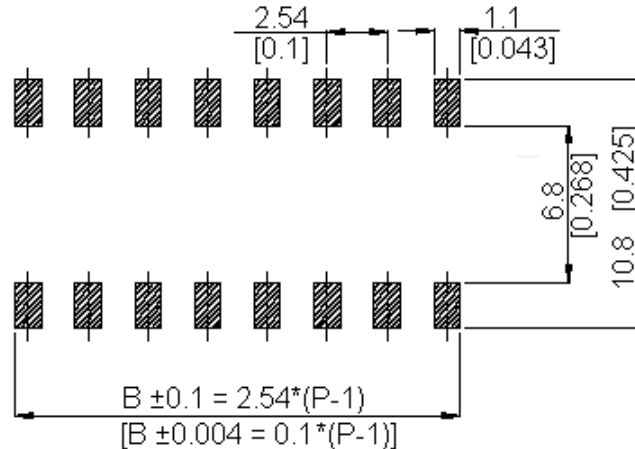
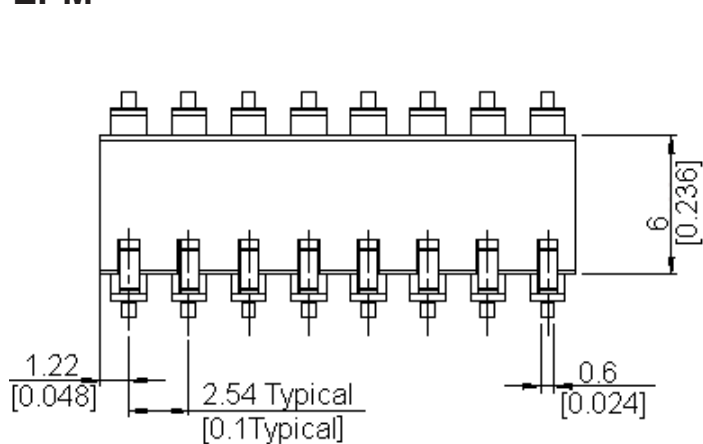
PART NO.

MCEP Series

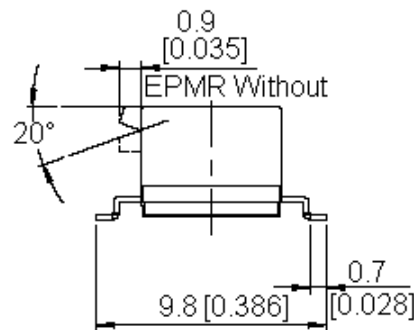
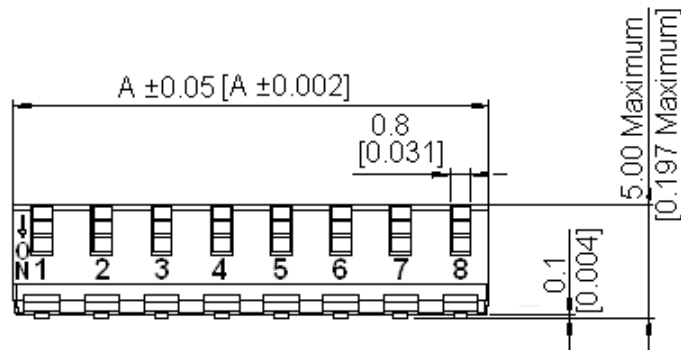
REVISIONS

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-	A	RELEASED	Ashok	19/01/12	Jagan	19/01/12	Farnell	02/02/12

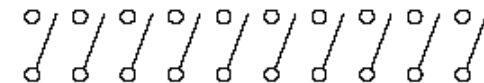
EPM



PCB Layout



Schematic (Typical)

**2, 4, 6, 8, 10 Positions Available**

Dimensions: Millimetres (Inches)

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Ashok

DATE:

19/01/12

CHECKED BY:

Veena

DATE:

19/01/12

APPROVED BY:

DATE:

02/02/12

DRAWING TITLE:

Dual In Line Switches - Piano TypeSIZE
A

DWG NO.

M10000816ELECTRONIC FILE
EPI(M)-V_DWGREV
A

SCALE: NTS

U.O.M.: mm (Inches)

SHEET: 2 OF 6



PART NO.

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

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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Ashok

DATE:

19/01/12

CHECKED BY:

Veena

DATE:

19/01/12

APPROVED BY:**DATE:**

02/02/12

DRAWING TITLE:**Dual In Line Switches - Piano Type****SIZE
A**

DWG NO.

M10000816ELECTRONIC FILE
EPI(M)-V_DWGREV
A

SCALE: NTS

U.O.M.: mm (Inches)

SHEET: 3 OF 6

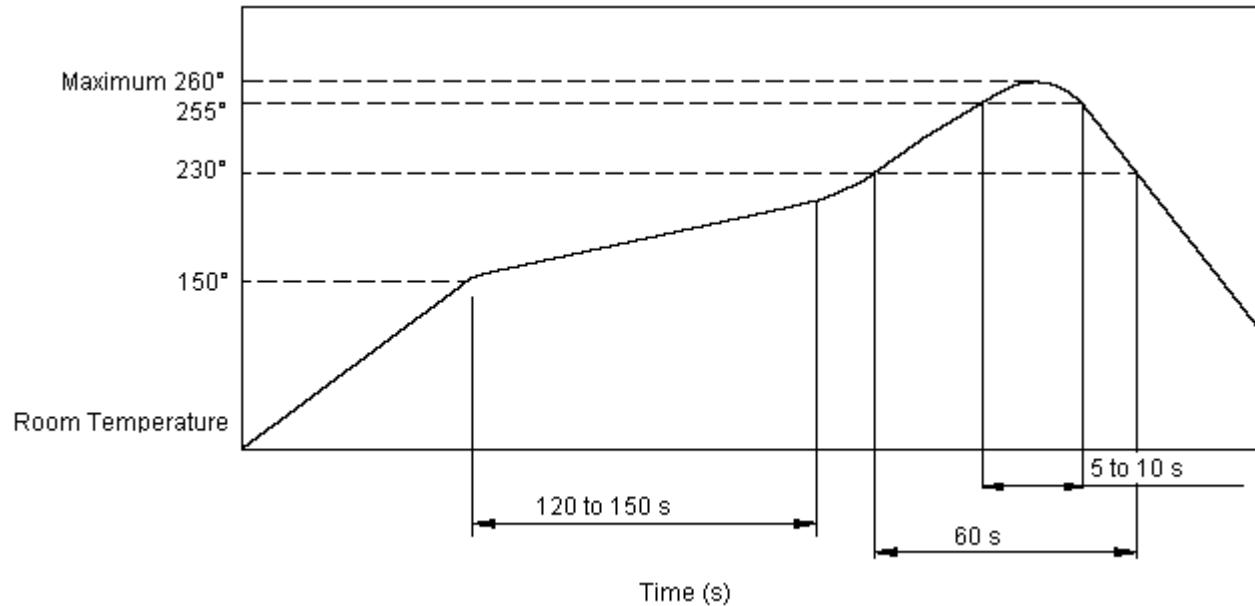


PART NO.

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

**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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CHECKED BY:

Veena

DATE:

19/01/12

APPROVED BY:**DATE:**

02/02/12

DRAWING TITLE:**Dual In Line Switches - Piano Type****SIZE
A**

DWG NO.

M10000816ELECTRONIC FILE
EPI(M)-V_DWGREV
A

SCALE: NTS

U.O.M.: mm (Inches)

SHEET: 4 OF 6



PART NO.

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

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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Veena

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APPROVED BY:

DATE:

02/02/12

DRAWING TITLE:

Dual In Line Switches - Piano TypeSIZE
A

DWG NO.

M10000816ELECTRONIC FILE
EPI(M)-V_DWGREV
A

SCALE: NTS

U.O.M.: mm (Inches)

SHEET: 5 OF 6



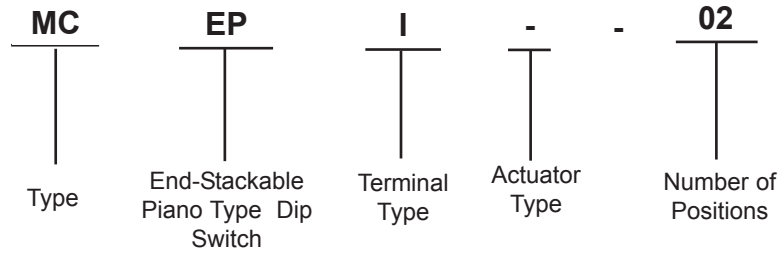
PART NO.

MCEP Series

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Part Number Explanation:



Terminal Type : I = Through Hole Type
: M = SMT Type

Actuator Type : ☐ = Long Actuator

Number of Positions : 02, 04, 06, 08, 10 Positions

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

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Veena

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APPROVED BY:

DATE:

02/02/12

DRAWING TITLE:

Dual In Line Switches - Piano TypeSIZE
A

DWG NO.

M10000816ELECTRONIC FILE
EPI(M)-V_DWGREV
A

SCALE: NTS

U.O.M.: mm (Inches)

SHEET: 6 OF 6