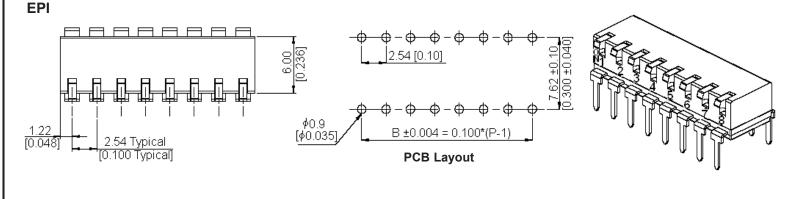
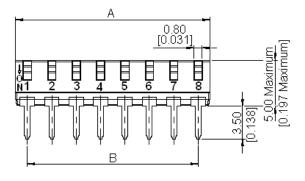
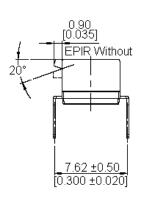


MCEP Series

| | | REVISIONS | | | | | | |
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| ECN # | REV | DESCRIPTION | DRAWN | DATE | CHECKD | DATE | APPRVD | DATE |
| - | Α | RELEASED | Sumana | 17/3/08 | Suresh | 17/3/08 | G. C | 01/4/08 |
| | | | | | | | | |







Schematic (Typical)

2, 4, 6, 8, 10 Positions Available

Dimensions: Millimetres (Inches)

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 DATE:

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 17/03/08

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 DATE:

 G.Cook
 01/04/08

DRAWING TITLE:

Dual In Line Switches - Piano Type

SIZE DWG NO. M10000816 ELECTRONIC FILE EPI(M)-V_DWG A

SCALE: NTS U.O.M.: mm (Inches) SHEET: 1 OF 6

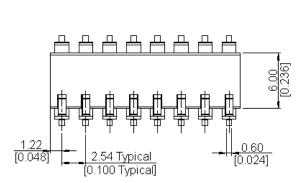


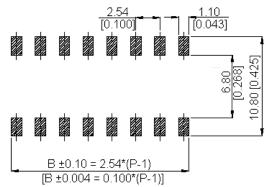
EPM

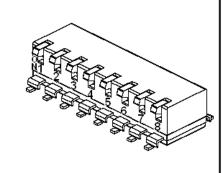
PART NO.

MCEP Series

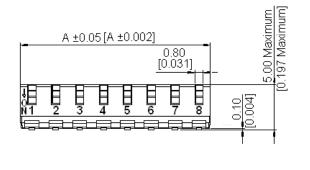
| | REVISIONS | | | | | | | |
|-------|-----------|-------------|--------|---------|--------|---------|--------|---------|
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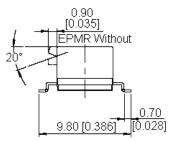






PCB Layout





Schematic (Typical)

2, 4, 6, 8, 10 Positions Available

Dimensions: Millimetres (Inches)

REV

Α

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 17/03/08

 APPROVED BY:
 DATE:

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 01/04/08

Drawing Title:

Dual In Line Switches - Piano Type

SIZE DWG NO. M10000816 ELECTRONIC FILE EPI(M)-V_DWG

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



MCEP Series

| | | REVISIONS | | | | | | |
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| - | Α | RELEASED | Sumana | 17/3/08 | Suresh | 17/3/08 | G. C | 01/4/08 |
| | | | | | | | | |

Specifications:

Mechanical:

Maximum operating force : 800gf. : -20 to +85°C. Operating temperature range Storage temperature range : -40 to +85°C.

Mechanical life : 2,000 cycles. Electrical:

Electrical life : 2,000 cycles. : 25mA, 24V dc. Rating Maximum contact resistance : $100m\Omega$ at 500V dc. Maximum insulation resistance : 100M $\!\Omega$ at 500V dc. Dielectric strength : 500V ac/1 minute. Circuit : Single pole Single throw.

Materials: Cover : UL 94V-0 Nylon high temperature thermoplastic.

Colour : Black.

Base : UL 94V-0 Nylon high temperature thermoplastic.

Colour: Black.

: UL 94V-0 Nylon high temperature thermoplastic. Stem

Colour: White.

Contact : Alloy copper with gold cladding. Terminal : Brass with gold cladding.

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DATE: DRAWN BY: Sumana 17/03/08 CHECKED BY: DATE: Suresh 17/03/08 APPROVED BY: DATE: G.Cook 01/04/08

DRAWING TITLE: SIZE DWG NO. Α SCALE: NTS

Dual In Line Switches - Piano Type

ELECTRONIC FILE

M10000816

U.O.M.: mm (Inches)

EPI(M)-V_DWG

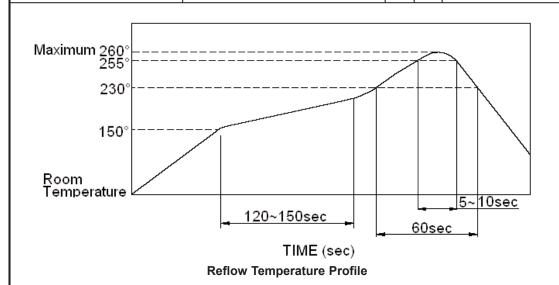
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| PART NO. | | | REVISIONS | | | | | | |
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| MCEP Series | - | Α | RELEASED | Sumana | 17/3/08 | Suresh | 17/3/08 | G. C | 01/4/08 |



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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DRAWING TITLE:

Dual In Line Switches - Piano Type

SIZE DWG NO. M10000816

ELECTRONIC FILE EPI(M)-V_DWG A

SCALE: NTS

U.O.M.: mm (Inches)

SHEET: 4 OF 6



MCEP Series

| | REVISIONS | | | | | | | |
|-------|-----------|-------------|--------|---------|--------|---------|--------|---------|
| ECN # | REV | DESCRIPTION | DRAWN | DATE | CHECKD | DATE | APPRVD | DATE |
| - | Α | RELEASED | Sumana | 17/3/08 | Suresh | 17/3/08 | G. C | 01/4/08 |
| | | | | | | | | |

Specification Table

| Number of Positions | Dimensions (A) | Dimensions (B) | Part Number |
|------------------------|-------------------|-------------------|-------------|
| 2 | 4.98 (0.196) | 2.54 (0.100) | MCEPI-02 |
| 4 | 10.06 (0.396) | 7.62 (0.300) | MCEPI-04 |
| 6 | 15.14 (0.596) | 12.70 (0.500) | MCEPI-06 |
| 8 | 20.22 (0.796) | 17.78 (0.700) | MCEPI-08 |
| 10 | 25.3 (0.996) | 22.86 (0.900) | MCEPI-10 |
| 2 | 4.98 (0.196) | 2.54 (0.100) | MCEPM-02 |
| 4 | 10.06 (0.396) | 7.62 (0.300) | MCEPM-04 |
| 6 | 15.14 (0.596) | 12.70 (0.500) | MCEPM-06 |
| 8 | 20.22 (0.796) | 17.78 (0.700) | MCEPM-08 |
| 10 | 25.3 (0.996) | 22.86 (0.900) | MCEPM-10 |

Dimensions : Millimetres (Inches)

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| G.Cook | 01/04/08 |

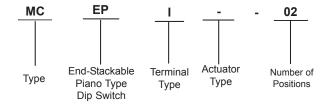
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| 3 | | | Dua | al In Line Switche | es - P | iano Ty | ре | | |
| : | SIZE | DWG NO. | | | ELEC | TRONIC FIL | Ε | | REV |
| 3 | Α | | ı | M10000816 | ı | l)-V_DWG | | | Α |
| : } | SCAL | E: NTS | | U.O.M.: mm (Inches) | | SHEET: | 5 | OF | 6 |
| | | | | | | | | | |



MCEP Series

| | | REVISIONS | | | | | | |
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| - | Α | RELEASED | Sumana | 17/3/08 | Suresh | 17/3/08 | G. C | 01/4/08 |
| | | | | | | | | |

Part Number Explanation:



Terminal Type

: I = Through Hole Type.
M = SMT Type.
: □ = Long Actuator.
: 02, 04, 06, 08, 10 Positions. Actuator Type Number of Positions

http://www.farnell.com

http://www.newark.com

http://www.cpc.co.uk

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| Dual In Line Switches - Piano Type | | |
|------------------------------------|-------------|------|
| SIZE DWG NO ELECT | TRONIC FILE | REV |
| | I)-V_DWG | A |
| SCALE: NTS U.O.M.: mm (Inches) | SHEET: 6 | OF 6 |