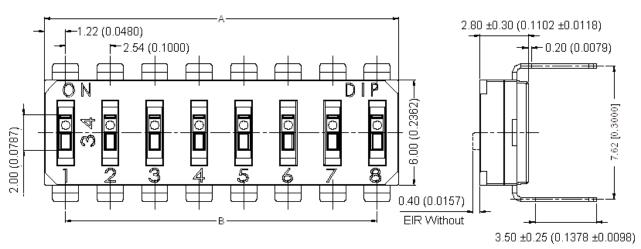
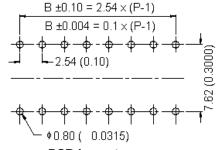


PART NO.

**MCEI Series** 

		REVISIONS						
ECN #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
-	Α	RELEASED	Jagan	11/2/08	Suresh	11/2/08	G. C	26/2/08





**PCB Layout** 

# Schematic (Typical)

0,0,0,0,0,0,0,0,0,0

(1,2, 3, 4, 5, 6, 7, 8, 9, 10, 12 Positions Available)

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UNLESS OTHERWISE
SPECIFIED,
DIMENSIONS ARE
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PURPOSES ONLY.

 DRAWN BY:
 DATE:

 Jagan
 11/02/08

 CHECKED BY:
 DATE:

 Suresh
 11/02/08

 APPROVED BY:
 DATE:

 G.Cook
 26/02/08

DRAWING TITLE:

Dual In Line Switches - End Stackable

SIZE DWG NO. M10000815

ELECTRONIC FILE EI-EIR\_DWG A

SCALE: NTS U.O.M.: mm (Inches) SHEET: 1 OF 5

Dimensions : Millimetres (Inches)



PART NO.

**MCEI Series** 

		REVISIONS						
ECN #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
-	Α	RELEASED	Jagan	11/2/08	Suresh	11/2/08	G. C	26/2/08

#### Specifications:

Mechanical:

Mechanical life : 2,000 operations.

Maximum operating force : 1,000gf. : 1.0mm

: -20 to +85°C. Operating temperature range Storage temperature range : -40 to +85°C. Electrical:

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

Contact arrangement : 1 pole throw. Materials:

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.

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TOLERANCES:

DATE: DRAWN BY: Jagan 11/02/08 CHECKED BY: DATE: Suresh 11/02/08 APPROVED BY: DATE: G.Cook 26/02/08

DRAWING TITLE: Dual In Line Switches - End Stackable ELECTRONIC FILE SIZE DWG NO. M10000815 EI-EIR\_DWG Α SCALE: NTS U.O.M.: mm (Inches)

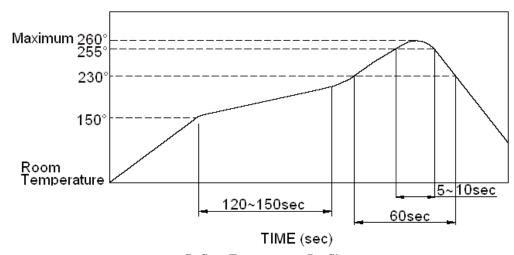
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PART NO.			REVISIONS						
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MCEI Series	-	Α	RELEASED	Jagan	11/2/08	Suresh	11/2/08	G. C	26/2/0
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## **Reflow Temperature Profile**

#### **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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PART NO.

**MCEI Series** 

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ECN #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
-	Α	RELEASED	Jagan	11/2/08	Suresh	11/2/08	G. C	26/2/08

## **Specification Table**

opcomount rubic									
Number of Positions	Dimensions (A)	Dimensions (B)	Part Number						
2	4.98 (0.196)	2.54 (0.100)	MCEI-02						
3	7.52 (0.296)	5.08 (0.100)	MCEI-03						
4	10.06 (0.396)	7.62 (0.300)	MCEI-04						
5	12.60 (0.496)	10.16 (0.400)	MCEI-05						
6	15.14 (0.596)	12.70 (0.500)	MCEI-06						
7	17.68 (0.696)	15.24 (0.600)	MCEI-07						
8	20.22 (0.796)	17.78 (0.700)	MCEI-08						
9	22.76 (0.896)	20.32 (0.800)	MCEI-09						
10	25.3 (0.996)	22.86 (0.900)	MCEI-10						
12	3.0.38 (1.196)	27.94 (1.190)	MCEI-12						
2	4.98 (0.196)	2.54 (0.100)	MCEIR-02						
3	7.52 (0.296)	5.08 (0.100)	MCEIR-03						
4	10.06 (0.396)	7.62 (0.300)	MCEIR-04						
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9	22.76 (0.896)	20.32 (0.800)	MCEIR-09						
10	25.3 (0.996)	22.86 (0.900)	MCEIR-10						
12	3.0.38 (1.196)	27.94 (1.190)	MCEIR-12						

Dimensions : Millimetres (Inches)

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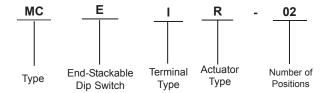
DRAWN BY:	DATE:
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CHECKED BY:	DATE:
Suresh	11/02/08
APPROVED BY:	DATE:
G.Cook	26/02/08

	DRAW	ING TITLE:									
	]		Dual	In Line Switches - End Stackable							
	SIZE	DWG NO.	ı	M10000815	1	TRONIC FII	E		RE\		
_	SCALE: NTS			U.O.M.: mm (Inches)		SHEET:	4	OF	5		



**REVISIONS** PART NO. ECN# DESCRIPTION REV DRAWN CHECKD DATE **MCEI Series** Α RELEASED Jagan 11/2/08 Suresh 11/2/08

## Part Number Explanation:



: I = Through Hole Type. **Terminal Type** : R = Recessed Actuator.

= Raised Actuator. **Actuator Type** 

**Number of Positions** : 02, 03, 04, 05, 06, 07, 08, 09, 10, 12 Positions.

http://www.farnell.com

APPRVD

G. C

DATE

26/2/08

http://www.newark.com

http://www.cpc.co.uk

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