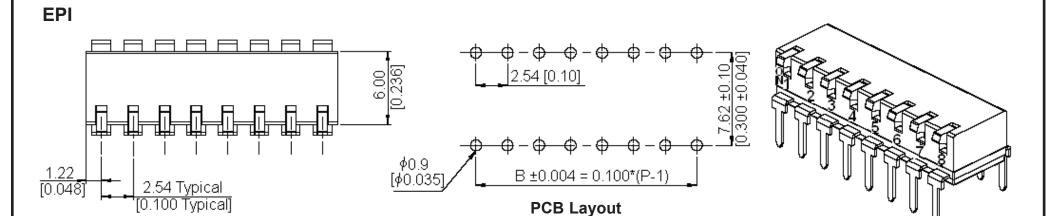
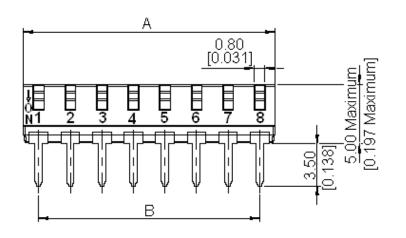
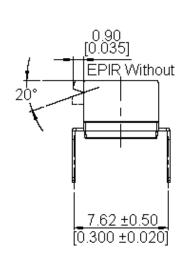


MCEP Series

		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
							, and the second	







DAMAINO TITLE

Schematic (Typical)

2, 4, 6, 8, 10 Positions Available

Dimensions: Millimetres (Inches)

This data sheet and its contents (the "Information") belong to the Premier Farnell Group (the "Group") or are licensed to it. No licence is granted for the use of it other than for information purposes in connection with the products to which it relates. No licence of any intellectual property rights is granted. The Information is subject to change without notice and replaces all data sheets previously supplied. The Information supplied is believed to be accurate but the Group assumes no responsibility for its accuracy or completeness, any error in or omission from it or for any use made of it. Users of this data sheet should check for themselves the Information and the suitability of the products for their purpose and not make any assumptions based on information included or omitted. Liability for loss or damage resulting from any reliance on the Information or use of it (including liability resulting from regiligence or where the Group was aware of the possibility of such loss or damage arising) is excluded. This will not operate to limit or restrict the Group's liability for death or personal injuny resulting from its negligence. SPC MULTICOMP is the registered trademark of the Group. © Premier Farnell plc 2008.

TOLERANCES:

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE FOR REFERENCE PURPOSES ONLY.

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

DRAWING TITLE:	
	Dual In Line Switches - Piano Type

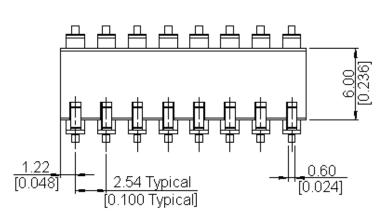
	SIZE A	DWG NO.	M10000816	 ELECTRONIC FILE EPI(M)-V_DWG				
_	SCALE: NTS		U.O.M.: mm (Inches)	SHEET:	1	OF	- 6	

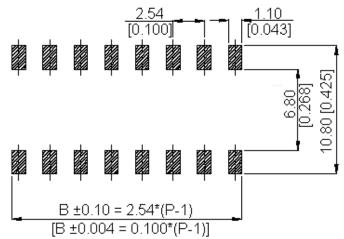


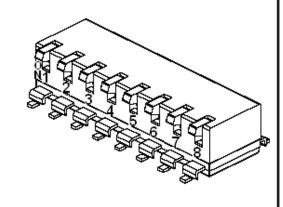
MCEP Series

		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

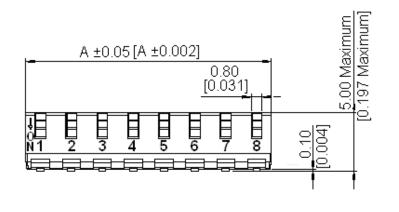


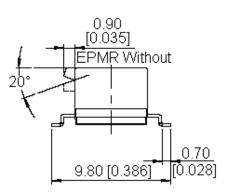






PCB Layout





Schematic (Typical)

2, 4, 6, 8, 10 Positions Available

Dimensions: Millimetres (Inches)

This data sheet and its contents (the "Information") belong to the Premier Farnell Group (the "Group") or are licensed to it. No licence is granted for the use of it other than for information purposes in connection with the products to which it relates. No licence of any intellectual property rights is granted. The Information is subject to change without notice and replaces all data sheets previously supplied. The Information supplied is believed to be accurate but the Group assumes no responsibility for its accuracy or completeness, any error in or omission from it or for any use made of it. Users of this data sheet should check for themselves the Information and the suitability of the products for their purpose and not make any assumptions based on information included or omitted. Liability for loss or damage resulting from any reliance on the Information or use of it (including liability resulting from negligence or where the Group was aware of the possibility of such loss or damage arising) is excluded. This will not operate to limit or restrict the Group's liability for death or personal injuny resulting from its negligence. SPC MULTIONMP is the registered trademark of the Group. © Premier Farnell ple 2008

TOLERANCES:

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE FOR REFERENCE PURPOSES ONLY.

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

	DRAWING	IIILE:		
1			- 1	Dual

		Dua	al in Line Switche	es - P	iano iy	pe		
SIZE	DWG NO.	ı	M10000816	I -	TRONIC FII I)-V_DWG	LE		REV A
SCAL	.E: NTS		U.O.M.: mm (Inches)		SHEET:	2	OF	F 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

Specifications:

Mechanical:

Maximum operating force : 800gf.

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

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

Mechanical life : 2,000 cycles.

Electrical:

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

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.

This data sheet and its contents (the "Information") belong to the Premier Farnell Group (the "Group") or are licensed to it. No licence is granted for the use of it other than for information purposes in connection with the products to which it relates. No licence of any intellectual property rights is granted. The Information is subject to change without notice and replaces all data sheets previously supplied. The Information supplied is believed to be accurate but the Group assumes no responsibility for its accuracy or completeness, any error in or omission from it or for any use made of it. Users of this data sheet should check for themselves the Information and the suitability of the products for their purpose and not make any assumptions based on information included or omitted. Liability for loss or damage resulting from any reliance on the Information or use of it (including liability resulting from negligence or where the Group was aware of the possibility of such loss or damage arising) is excluded. This will not operate to limit or restrict the Group's liability for death or personal injuny resulting from its regilgence. SPC MULTICOMP is the registered trademark of the Group. © Premier Farnell plc 2008.

TOLERANCES:

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE FOR REFERENCE PURPOSES ONLY.

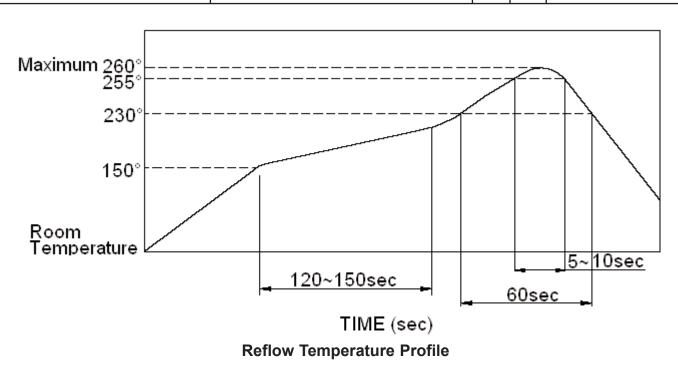
DRAWN BY:	DATE:
Sumana	17/03/08
CHECKED BY:	DATE:
Suresh	17/03/08
APPROVED BY:	DATE:
G.Cook	01/04/08

	DRAWING TITLE:								
			Dua	al In Line Switche	s - P	iano Typ	эе		
	SIZE DWG NO.		ľ	M10000816	ELECTRONIC FILE EPI(M)-V_DWG				REV A
SCALE: NTS			U.O.M.: mm (Inches)		SHEET:	3	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



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.

This data sheet and its contents (the "Information") belong to the Premier Farnell Group (the "Group") or are licensed to it. No licence is granted for the use of it other than for information purposes in connection with the products to which it relates. No licence of any intellectual property rights is granted. The Information is subject to change without notice and replaces all data sheets previously supplied. The Information supplied is believed to be accurate but the Group assumes no responsibility for its accuracy or completeness, any error in or ormission from it or for any use made of it. Users of this data sheet should check for themselves the Information and the suitability of the products for their purpose and not make any assumptions based on information included or omitted. Liability for loss or damage resulting from any reliance on the Information or use of it (including liability resulting from negligence or where the Group was aware of the possibility of such loss or damage arising) is excluded. This will not operate to limit or restrict the Group's liability for death or personal injury resulting from the negligence. SPC MULTICOMP is the registered trademark of the Group. © Premier Farnell plc 2008.

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE FOR REFERENCE PURPOSES ONLY.

TOLERANCES:

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

DRAWI	NG TITLE:							
] [Dual In Line Switches - Piano Type					
SIZE DWG NO.		ı	V10000816	ELECTRONIC FILE EPI(M)-V_DWG			REV 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 Dimensions Positions (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)

This data sheet and its contents (the "Information") belong to the Premier Farnell Group (the "Group") or are licensed to it. No licence is granted for the use of it other than for information purposes in connection with the products to which it relates. No licence of any intellectual property rights is granted. The Information is subject to change without notice and replaces all data sheets previously supplied. The Information supplied is believed to be accurate but the Group assumes no responsibility for its accuracy or completeness, any error in or omission from it or for any use made of it. Users of this data sheet should check for themselves the Information and the suitability of the products for their purpose and not make any assumptions based on information included or omitted. Liability for loss or damage resulting from any reliance on the Information or use of it (including liability resulting from negligence or where the Group was aware of the possibility of such loss or damage arising) is excluded. This will not operate to limit or restrict the Group's liability for death or personal injury resulting from fits negligence. SPC MULTICOMP is the registered trademark of the Group. © Premier Farnell plc 2008.

TOLERANCES:	DRAWN BY:	DATE:
UNLESS OTHERWISE	Sumana	17/03/08
SPECIFIED,	CHECKED BY:	DATE:
DIMENSIONS ARE FOR REFERENCE	Suresh	17/03/08
PURPOSES ONLY.	APPROVED BY:	DATE:
	G.Cook	01/04/08

:	DRAWING TITLE:									
			Dua	ıal In Line Switches - Piano Type						
:	SIZE	DWG NO.		110000010	ELEC	TRONIC FII	E		REV	
_	Α		ľ	M10000816		EPI(M)-V_DWG			Α	
-	SCALE: NTS		U.O.M.: mm (Inches)		SHEET:	5	OF	- 6		

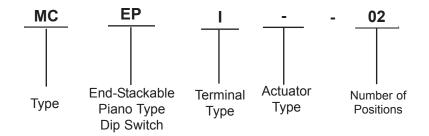


RT	

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

Part Number Explanation:



Terminal Type : I = Through Hole Type.

 $\underline{M} = SMT$ Type.

Actuator Type : \square = Long Actuator.

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

http://www.farnell.com

http://www.newark.com

http://www.cpc.co.uk

This data sheet and its contents (the "Information") belong to the Premier Farnell Group (the "Group") or are si licensed to it. No licence is granted for the use of it other than for information purposes in connection with the products to which it relates. No licence of any intellectual property rights is granted. The Information is subject to change without notice and replaces all data sheets previously supplied. The Information supplied is believed to be accurate but the Group assumes no responsibility for its accuracy or completeness, any error in or or mission from it or for any use made of it. Users of this data sheet should check for themselves the Information and the suitability of the products for their purpose and not make any assumptions based on information included or omitted. Liability for loss or damage resulting from any reliance on the Information or use of it (including liability resulting from negligence or where the Group was aware of the possibility of such loss or damage arising is excluded. This will not operate to limit or restrict the Group's liability for death or personal injury resulting from its negligence. SPC MULITICOMP is the registered trademark of the Group. © Premier Farnell jpc 2008.

WISE RE E Y
.Y.
Ε Υ.

TOLERANCES:

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

DRAWING TITLE:									
		Dua	al In Line Switche	es - P	iano Ty	ре			
SIZE A	DWG NO.	M10000816		I -	TRONIC FII I)-V_DWG	LE		REV A	
SCALE: NTS			U.O.M.: mm (Inches)		SHEET:	6	OF	6	