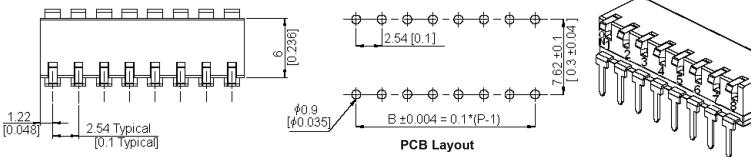
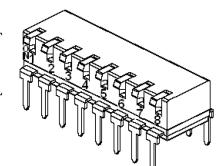


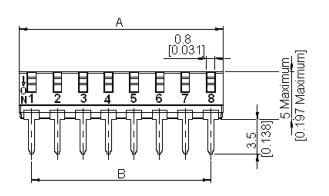
MCEP Series

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-	1.0	RELEASED	AB	19/01/16	ER	19/01/16	ER	19/01/16

MCEPI







0.9 [0.035] EPIR Without 7.62 ±0.5 [0.3 ±0.02]

Schematic (Typical)

2, 4, 6, 8, 10 Positions Available

Dimensions Table:

A mm (Inches)	B mm (Inches)	Part Number
4.98 (0.196)	2.54 (0.1)	MCEPI-02
10.06 (0.396)	7.62 (0.3)	MCEPI-04
15.14 (0.596)	12.7 (0.5)	MCEPI-06
20.22 (0.796)	17.78 (0.7)	MCEPI-08
25.3 (0.996)	22.86 (0.9)	MCEPI-10

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Dimensions: Millimetres (Inches)

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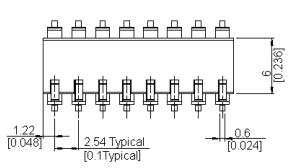
	DRAWING TITLE:						
3	Dual In Line Switches - Piano Type						
	SIZE DWG NO.			ELECTRONIC FILE RE			
3	A4	A4 MCEPX-XX			MCEPX-XX-1 1.0		
SCALE: NTS		U.O.M.: mi	m (inch)	SHEET: 1 of 4	1		

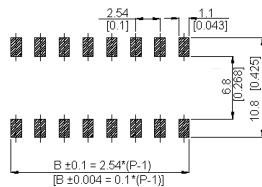


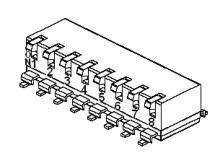
MCEP Series

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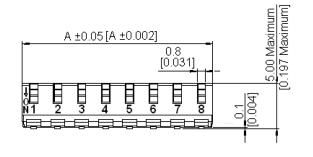
MCEPM



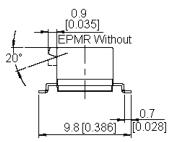




PCB Layout



Dimensions : Millimetres (Inches)



Schematic (Typical)

2, 4, 6, 8, 10 Positions Available

Dimensions Table:

A mm (Inches)	B mm (Inches)	Part Number
4.98 (0.196)	2.54 (0.1)	MCEPM-02
10.06 (0.396)	7.62 (0.3)	MCEPM-04
15.14 (0.596)	12.7 (0.5)	MCEPM-06
20.22 (0.796)	17.78 (0.7)	MCEPM-08
25.3 (0.996)	22.86 (0.9)	MCEPM-10

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ER	19/01/16

DRAW	DRAWING TITLE:				
]	Dual In Line Switch	es - Piano Type			
SIZE	DWG NO.	ELECTRONIC FILE			



MCEP Series

REVISIONS								
ECN#	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
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Specifications:

Max. operating force : 800 gf

Operating temperature range $: -20^{\circ}\text{C} \text{ to } +85^{\circ}\text{C}$ Storage temperature range $: -40^{\circ}\text{C} \text{ to } +85^{\circ}\text{C}$

Mechanical life : 2,000 cycles

Electrical:

Mechanical:

 Electrical life
 : 2,000 cycles

 Rating
 : 25mA, 24V DC

 Max. contact resistance
 : 100mΩ at 500 V DC

 Max. insulation resistance
 : 100MΩ at 500 V DC

 Dielectric strength
 : 500V 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

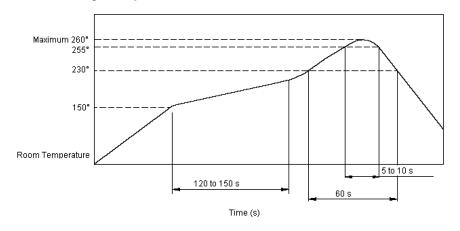
Colour : Black

Stem : UL 94V-0 Nylon high temperature thermoplastic

Colour : White

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

Solderability Graph:



	1) MCEPI(R)-V Soldering
	Temperature : +245°C ±3°C
	Lead-Free solder : M705E JIS Z
Solderability	3282 Class A
	(Tin 96.5%, Silver 3%, Copper 0.5%)
	2) Flux : 5 - 10 seconds.
	3) Duration of solder Immersion: 5±1Sec.

No anti-soldering and the coverage of dipping into solder must more than 75% was requested.

Reflow Temperature Profile

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	APPROVED BY:	DATE:		
	ER	19/01/16		

	DRAW	DRAWING TITLE:							
Dual In Line Switches - Piano Type									
	SIZE	SIZE DWG NO.		ELECTRO	REV				
_	A4	MCEPX-XX		MCEPX-XX-1		1.0			
SCALE: NTS		U.O.M.: mi	m (inch)	SHEET: 3 of 4	1				



MCEP Series

REVISIONS								
ECN#	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
_	1.0	RELEASED	AB	19/01/16	ER	19/01/16	ER	19/01/16

Soldering Process:

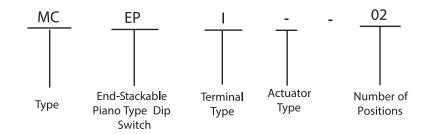
Wave soldeing : Recommended solder temperature at 500°F (260°C) maximum of 5 seconds for through hole type : Use a soldering iron of 30 watts, controlled at 350°C approximately maximum 5 seconds while applying Reflow soldering : When applying reflow soldering, the peak temperature or the reflow Oven should be set at 260°C max.

Do not wash the switch except top tape sealed type, which suitable for spray cleaning method from top of the s/w

Part Number Table

Description	Number of Positions	Part Number
	2	MCEPI-02
	4	MCEPI-04
	6	MCEPI-06
	8	MCEPI-08
Dual In Line Switches Piano Type	10	MCEPI-10
	2	MCEPM-02
	4	MCEPM-04
	6	MCEPM-06
	8	MCEPM-08
	10	MCEPM-10

Part Number Explanation:



Terminal Type : I = Through Hole Type

M = SMT Type

Actuator Type : $\square = \text{Long Actuator}$

SCALE: NTS

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

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SHEET: 4 of 4

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ER	19/01/16
APPROVED BY:	DATE:
ER	19/01/16

DRAWING TITLE:						
Dual In Line Switches - Piano Type						
SIZE	DWG NO.		ELECTRO	ONIC FILE	REV	
A4	A4 MCEPX-XX		MCEPX-XX-1		1.0	
			-		-	

U.O.M.: mm (inch)