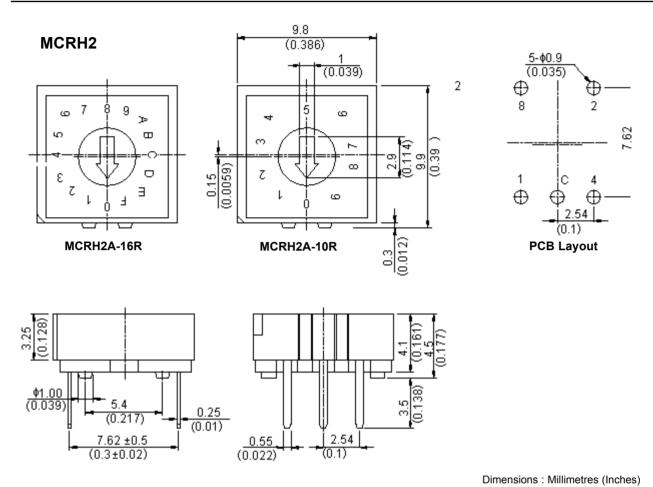
Dual In Line Type





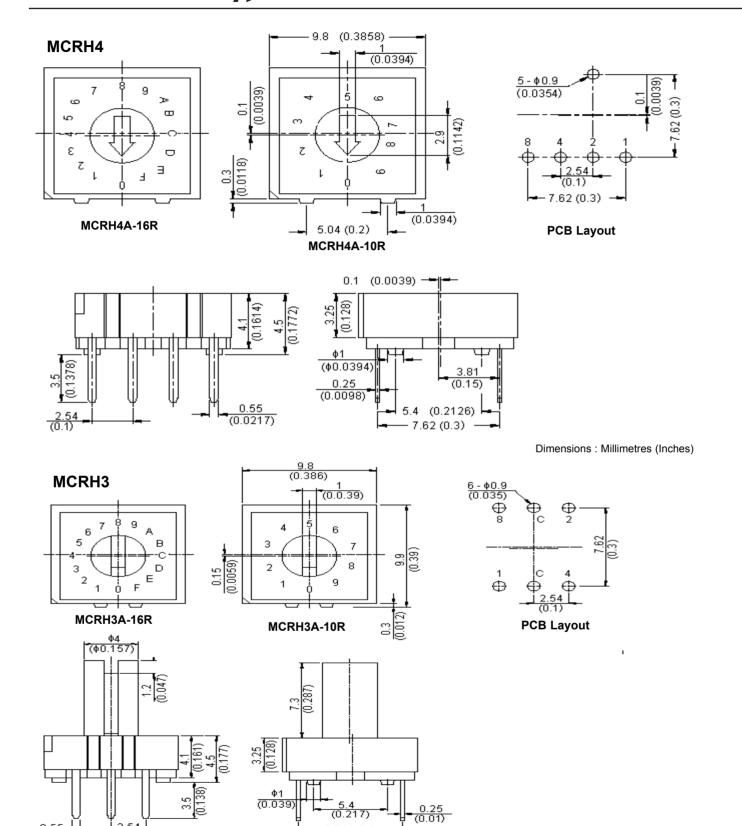
Truth Table

O Real Code				
Position	Code			
	1	2	4	8
0	•	•	•	•
1	0	•	•	•
2	•	0	•	•
3	0	0	•	•
4	•	•	0	•
5	0	•	0	•
6	•	0	0	•
7	0	0	0	•
8	•	•	•	0
9	0	•	•	0
Α	•	0	•	0
В	0	0	•	0
С	•	•	0	0
D	0	•	0	0
E	•	0	0	0
F	0	0	0	0



Dual In Line Type





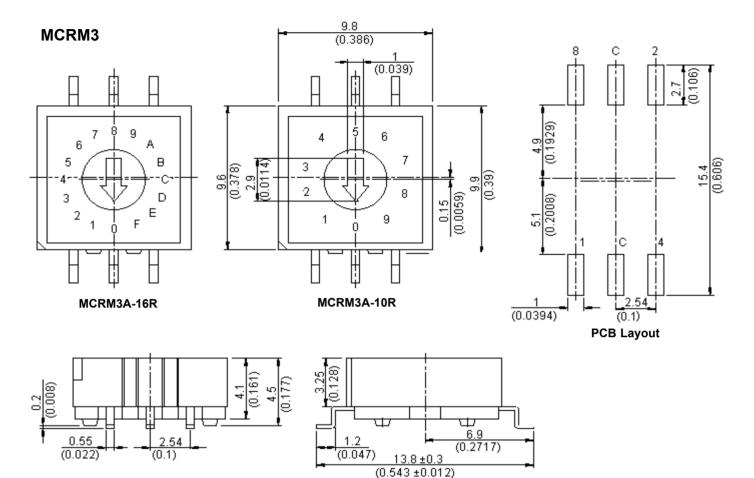
Dimensions : Millimetres (Inches)





Dual In Line Type





Dimensions: Millimetres (Inches)

Specifications:

Mechanical:

Mechanical life : 200 m Ω maximum, 20,000 steps

Maximum operating force : 400 gf

Environmental:

Operating temperature range $: -25^{\circ}\text{C}$ to $+80^{\circ}\text{C}$ Storage temperature range $: -40^{\circ}\text{C}$ to $+85^{\circ}\text{C}$

Electrical:

Electrical life : 200 m Ω maximum, 20,000 steps

Non-Switching rating : 100 mA, 50 V dcSwitching rating : 25 mA, 24 V dc

Contact resistance : 100 m Ω maximum (initial) 200 m Ω (final - after test)

: 100 MΩ at 250 V dc

Minimum insulation resistance Voltage proof

: 100 MΩ at 250 V dc : 250 V ac for 1 minute

Materials:

Base and cover : UL 94V-0 nylon thermoplastic

Colour : Black

Actuator : UL 94V-0 LCP thermoplastic

Colour : White

Contact : Alloy copper with gold plated over nickel

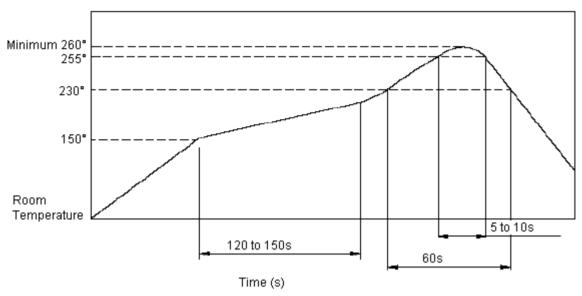
Terminal : Brass with gold plated





Dual In Line Type





Reflow Temperature Profile

Soldering Process:

Hand Soldering : Use a soldering iron of 30 watts, controlled at (350°C) approximately maximum 5 seconds **Wave Soldering :** Recommended temperature at 500°F (260°C) maximum of 5 s (for through hole type)

Reflow Soldering: When applying reflow soldering, the peak temperature or the reflow oven should be set at 260°C maximum

Part Number Table

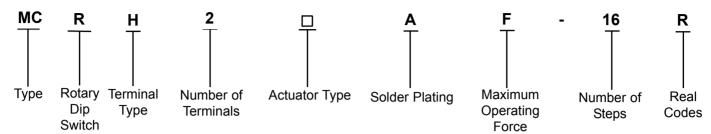
Description	Part Number		
Rotary Dip Switch	MCRH4AF-10R		
Rotary Dip Switch	MCRH3AF-10R		
Rotary Dip Switch	MCRH2AF-10R		
Rotary Dip Switch	MCRH4AF-16R		
Rotary Dip Switch	MCRH3AF-16R		
Rotary Dip Switch	MCRH2AF-16R		
Rotary Dip Switch, SMD	MCRM4AF-10R		
Rotary Dip Switch, SMD	MCRM3AF-10R		
Rotary Dip Switch, SMD	MCRM2AF-10R		
Rotary Dip Switch, SMD	MCRM4AF-16R		
Rotary Dip Switch, SMD	MCRM3AF-16R		
Rotary Dip Switch, SMD	MCRM2AF-16R		



Dual In Line Type



Part Number Explanation:



Terminal Type : H = Through Hole

M = SMT

Number of Terminals : $2 = 3 \times 2$

 $3 = 3 \times 3$ $4 = 4 \times 1$

Actuator Type : □ = Recessed Actuator

Solder Plating : A = Terminal : Gold Plated Over Nickel

Maximum Operating Force : 200gf cm Number of Steps : 10 = 10 Steps

16 = 16 Steps

Disclaimer 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 pre viously supplied. The Information supplied is belie ved 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 themsel ves 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. Multicomp is the registered trademark of the Group. © Premier Farnell plc 2012.

