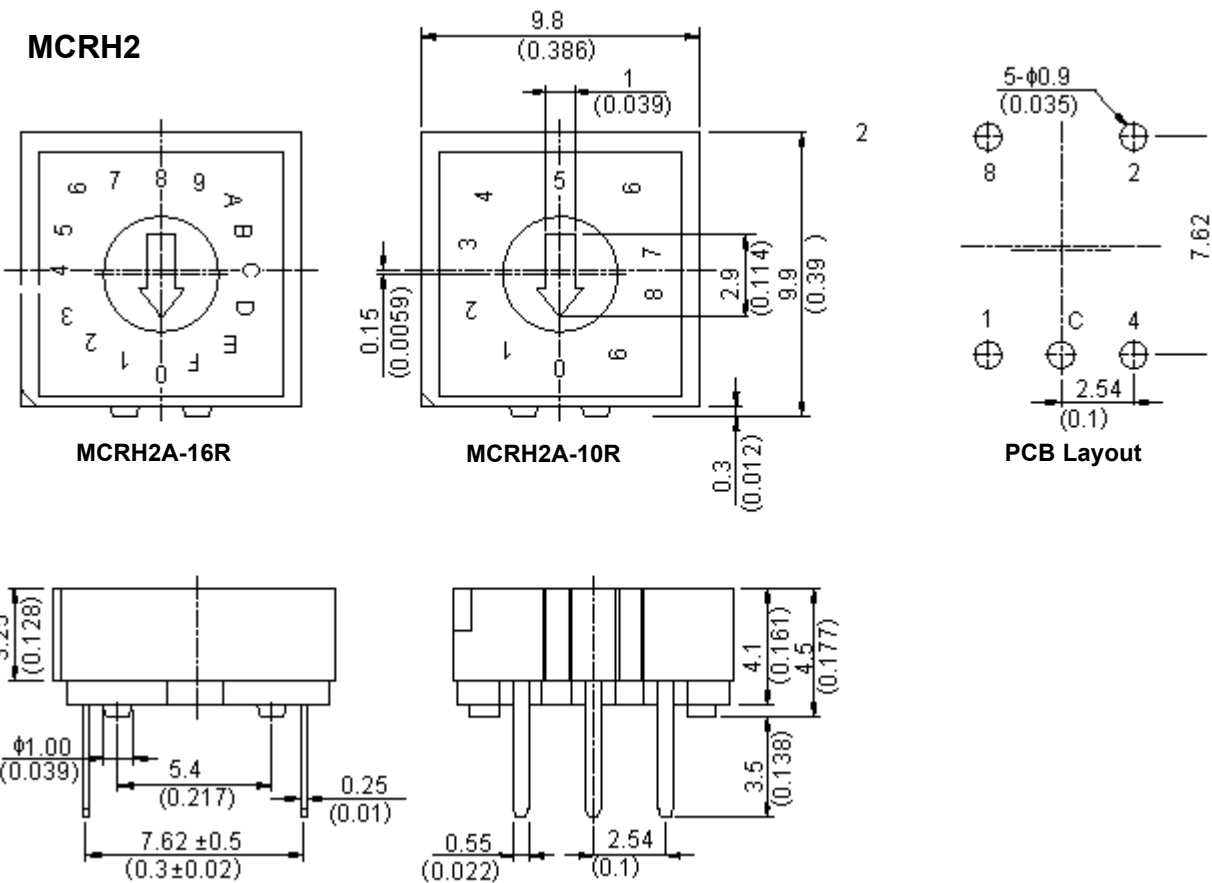


Rotary Switches



Dual In Line Type



Dimensions : Millimetres (Inches)

Truth Table

O Real Code				
Position	Code			
	1	2	4	8
0	●	●	●	●
1	○	●	●	●
2	●	○	●	●
3	○	○	●	●
4	●	●	○	●
5	○	●	○	●
6	●	○	○	●
7	○	○	○	●
8	●	●	●	○
9	○	●	●	○
A	●	○	●	○
B	○	○	●	○
C	●	●	○	○
D	○	●	○	○
E	●	○	○	○
F	○	○	○	○

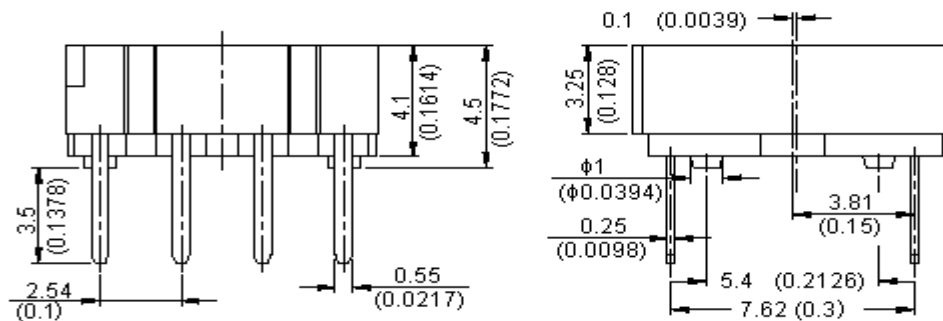
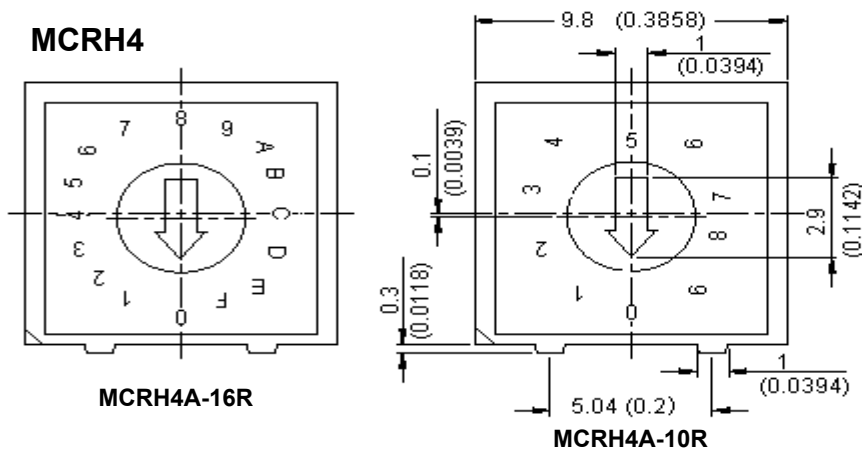


Rotary Switches

Dual In Line Type

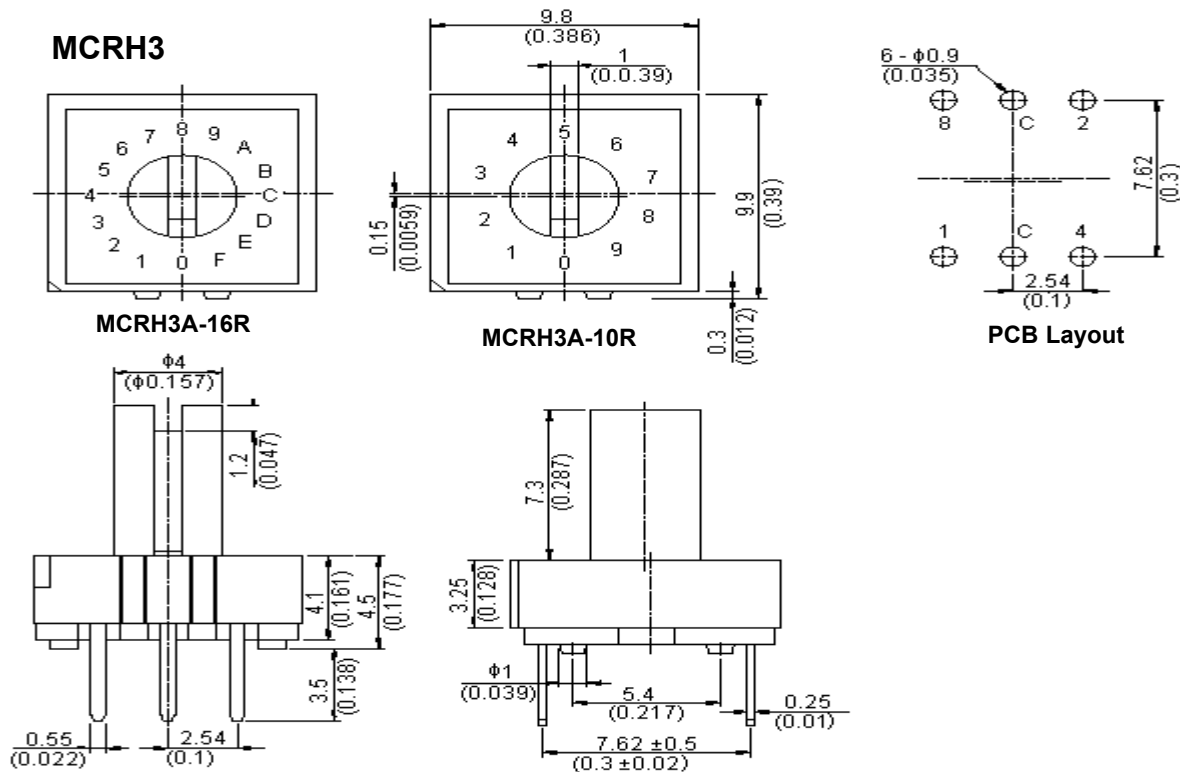


MCRH4



Dimensions : Millimetres (Inches)

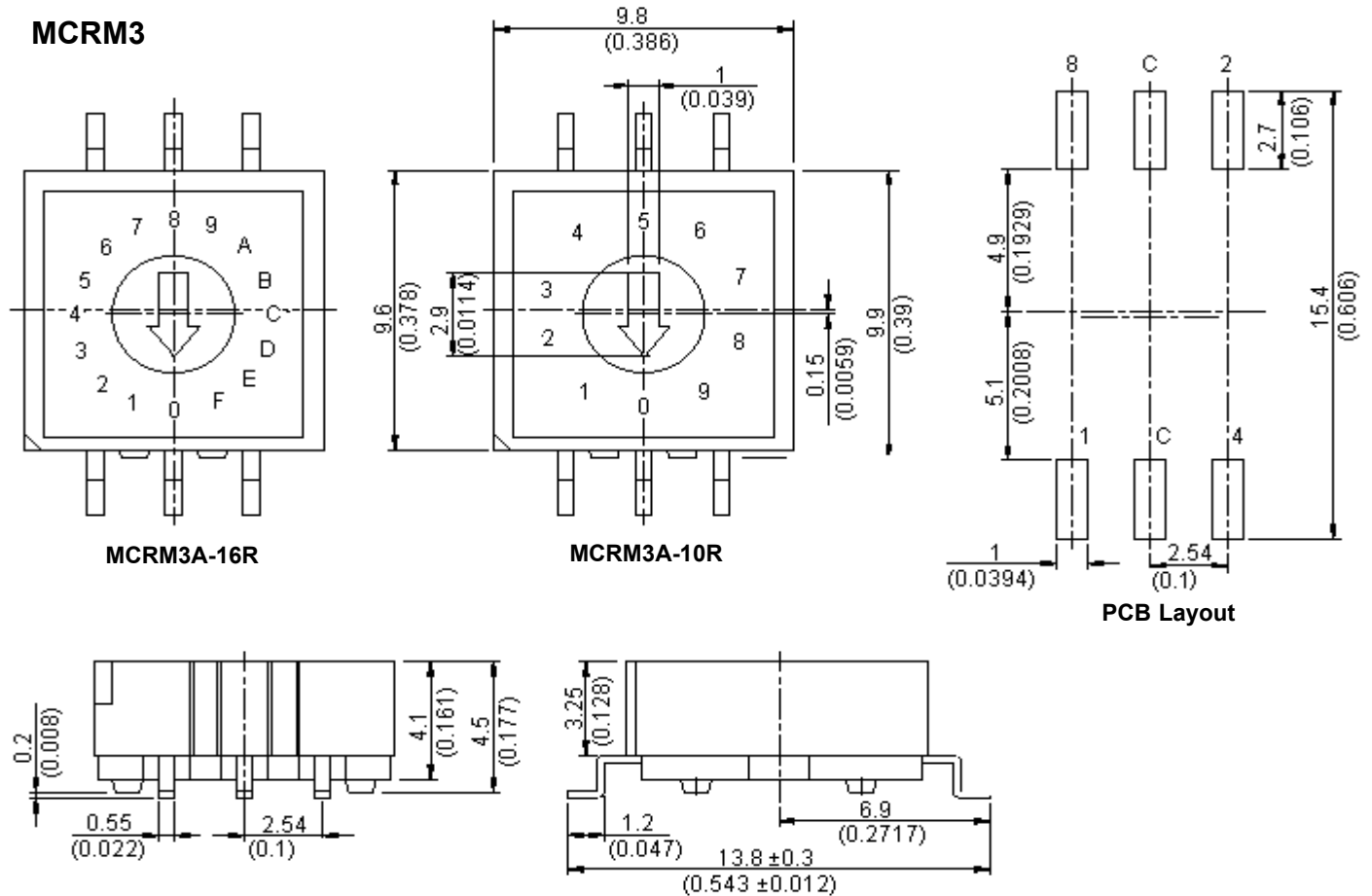
MCRH3



Dimensions : Millimetres (Inches)

Rotary Switches

Dual In Line Type



Specifications:

Mechanical:

Mechanical life : 200 mΩ maximum, 20,000 steps
Maximum operating force : 400 gf

Environmental:

Operating temperature range : -25°C to +80°C
Storage temperature range : -40°C to +85°C

Electrical:

Electrical life : 200 mΩ maximum, 20,000 steps
Non-Switching rating : 100 mA, 50 V dc
Switching rating : 25 mA, 24 V dc
Contact resistance : 100 mΩ maximum (initial)
200 mΩ (final - after test)

Minimum insulation resistance : 100 MΩ at 250 V dc
Voltage proof : 250 V ac for 1 minute

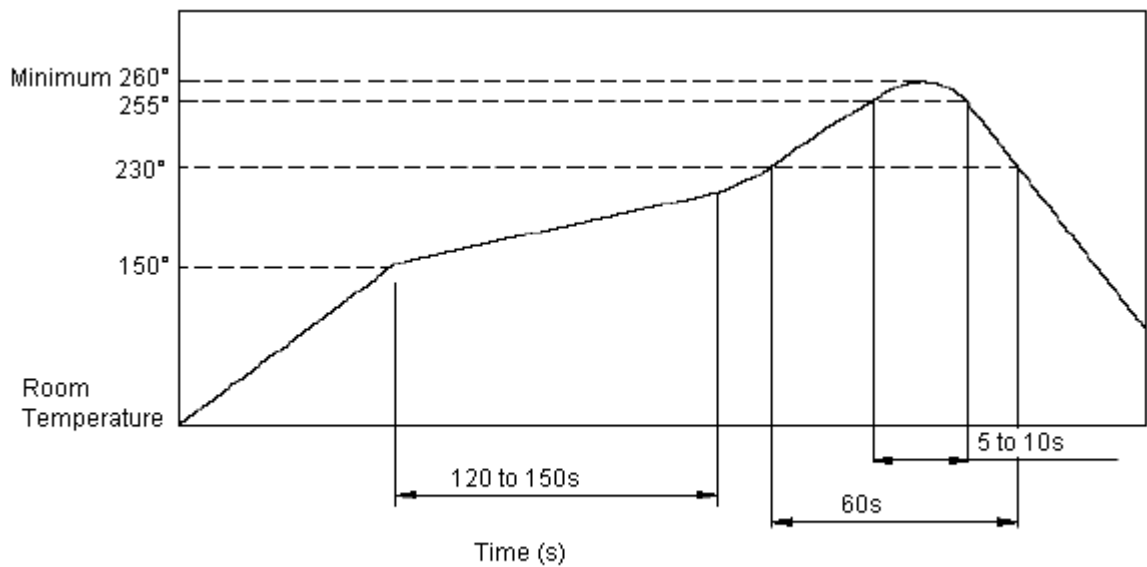
Materials:

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

Rotary Switches



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

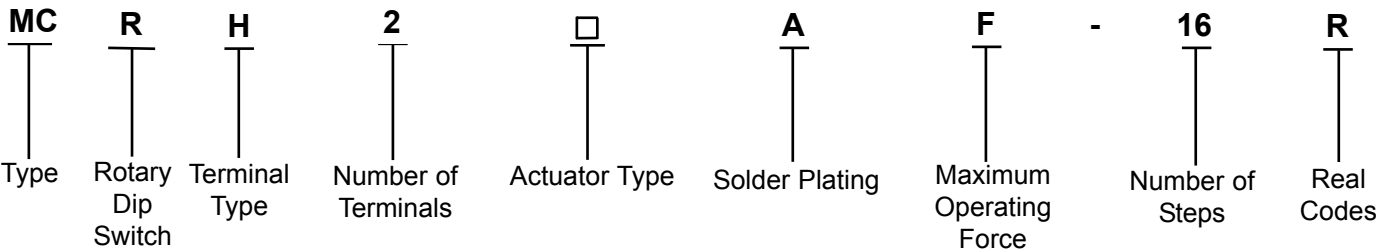


Rotary Switches



Dual In Line Type

Part Number Explanation:



- Terminal Type** : H = Through Hole
 M = SMT
- Number of Terminals** : 2 = 3 × 2
 3 = 3 × 3
 4 = 4 × 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

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