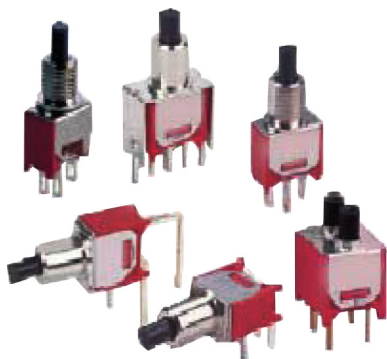


Pushbutton Switches

Sub-Miniature

multicomp PRO

**RoHS
Compliant**



Specifications

Contact Rating : Dependent upon contact material
 Mechanical Life : 50,000 make-and-break cycles
 Max. Contact Resistance : 20mΩ initial at 2V DC ~ 4V DC
 100mA for both silver and gold plated contacts

Min. Insulation Resistance : 1,000MΩ
 Dielectric Strength : 1,000V rms at sea level
 Operating Temperature : -30°C to +85°C

Materials:

Case and Bushing : Glass filled nylon 6/6, flame retard and heat stabilized (UL94V-0).
 Plunger : Thermoplastic Polyester (UL 94V-0), with internal O-ring seal.
 Switch Support : Brass or steel electronic plated
 Terminal Material : Gold plated

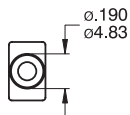
Switch Function

Number of Poles	Model Numbers	Switch Function		Connected Terminals/Schematic	
		Position 1	Position 2	Position 1	Position 2
SP	MC8AS8	ON	MOM	2-1 NC 1 * 2 (Comm) * 3 NO	2-3 NC 1 * 2 (Comm) * 3 NO
	MC8AS9	OFF	MOM	Open	1-3 1 ↑ 3 ↑
DP	MC8AD9	OFF	MOM	Open	1-3, 4-6 1 ↑ 3 ↑ 4 ↑ 6 ↑

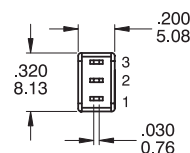
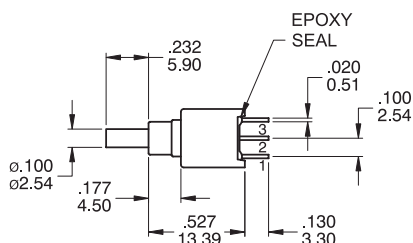
MOM = Momentary

Pole Options

SPDT



MC8AS8P1A1M2RES



Dimensions : Inches (Millimetres)

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 Element14.com/multicomp-pro

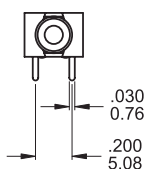
multicomp PRO

Pushbutton Switches

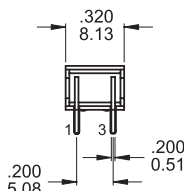
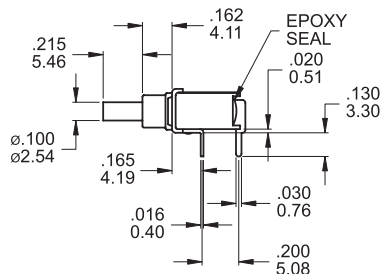
Sub-Miniature

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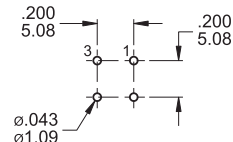
**SPDT
M6**



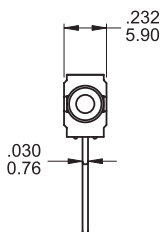
MC8AS8P1A1M6RES



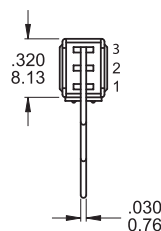
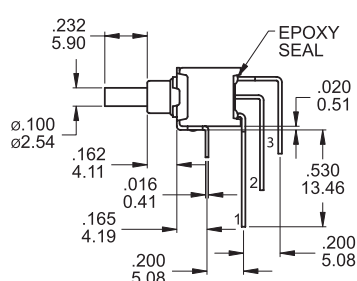
PC Mounting



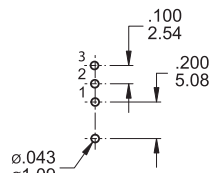
**SPDT
M7**



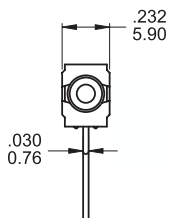
MC8AS8P1A1M7RES



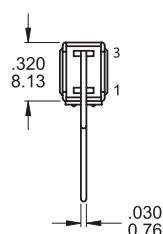
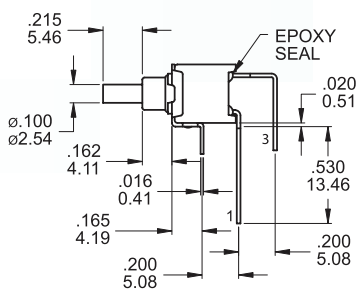
PC Mounting



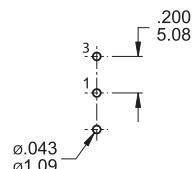
**SPST
M7**



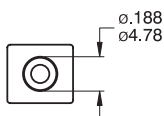
MC8AS9P1A1M7RES



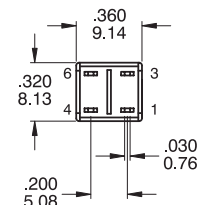
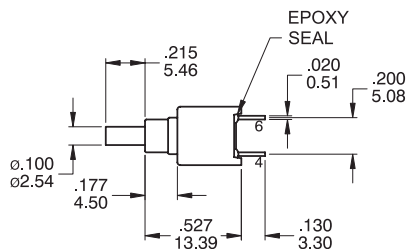
PC Mounting



DPST



MC8AD9P1A2M2RES



Dimensions : Inches (Millimetres)

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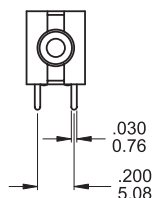
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Pushbutton Switches

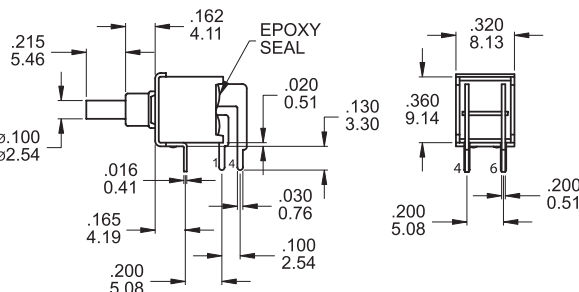
Sub-Miniature

multicomp PRO

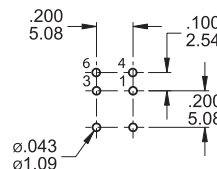
**DPST
M6**



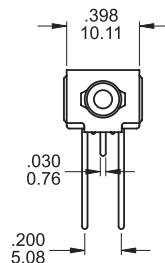
MC8AD9P1A2M6RES



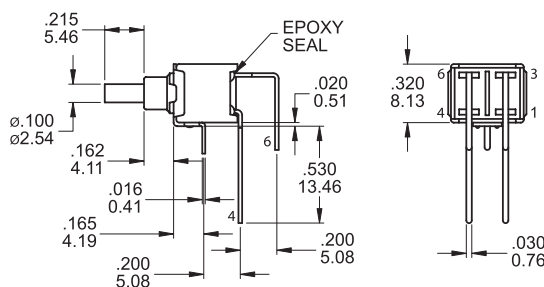
PC Mounting



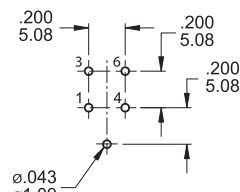
**DPST
M7**



MC8AD9P1A2M7RES

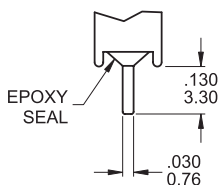


PC Mounting



Termination Options

M2 PC Thru-hole



.020
0.51THK.

Other Termination Options

- M6 : Right Angle P.C. Mount
- M7 : Right Angle P.C. Mount

Dimensions : Inches (Millimetres)

Soldering Process

Manual soldering : Use soldering iron of 30 watts, controlled at 350°C approximately 5 seconds while applying solder

Wave soldering : Recommended soldering temperature : 260 ±5°C

Duration of solder immersion : Maximum 5 seconds (PCB is 1.6mm in thickness)

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Pushbutton Switches

Sub-Miniature

multicomp PRO

Part Number Table

Description	Part Number
Pushbutton Switch, Standard, DPST, Off-(On), Plunger	MC8AD9P1A2M2RES
Pushbutton Switch, Standard, DPST, Off-(On), Plunger	MC8AD9P1A2M6RES
Pushbutton Switch, Standard, DPST, Off-(On), Plunger	MC8AD9P1A2M7RES
Pushbutton Switch, Standard, SPDT, On-(On), Plunger	MC8AS8P1A1M2RES
Pushbutton Switch, Standard, SPDT, On-(On), Plunger	MC8AS8P1A1M6RES
Pushbutton Switch, Standard, SPDT, On-(On), Plunger	MC8AS8P1A1M7RES
Pushbutton Switch, Standard, SPST, Off-(On), Plunger	MC8AS9P1A1M7RES

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