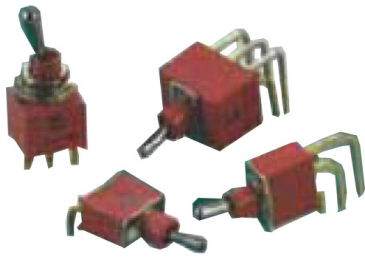


Toggle Switches

Sub-Miniature

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Specifications

Contact Rating	: 0.4 volt-amps (VA) max. at 20V max. (AC or DC)
Mechanical Life	: 30,000 make-and-break cycles
Contact Resistance	: 10mΩ max. initial at 2 to 4V DC 100mA for both silver and gold plated contacts
Min. Insulation Resistance	: 1,000MΩ
Dielectric Strength	: 1,000VRMS at sea level
Operating Temperature	: -30°C to +85°C

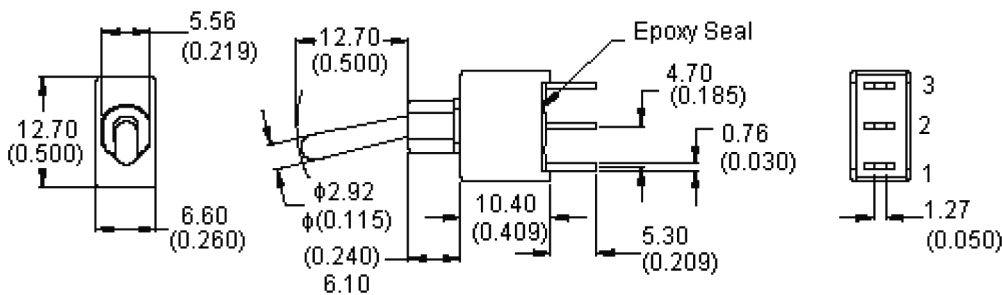
Materials

Case and Bushing	: Glass filled nylon 66, heat stabilized.
Actuator	: Brass, chrome plated with internal, O-ring seal standard.
Switch Support	: Brass or steel, tin plated.
Switch Support Retainer	: Stainless steel
Contacts/Terminals	: Copper alloy, with gold plated.

Pole Option

M2RE

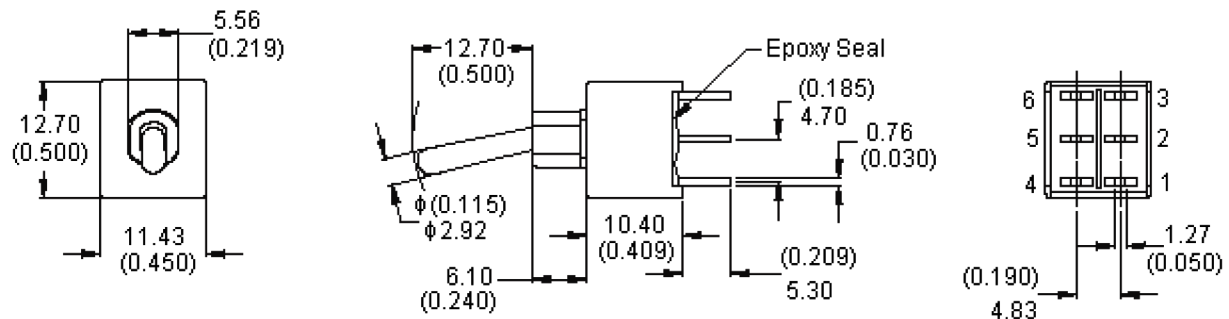
SPDT



Pole Option

M2RE

DPDT



Dimensions : Millimetres (Inches)

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Sub-Miniature

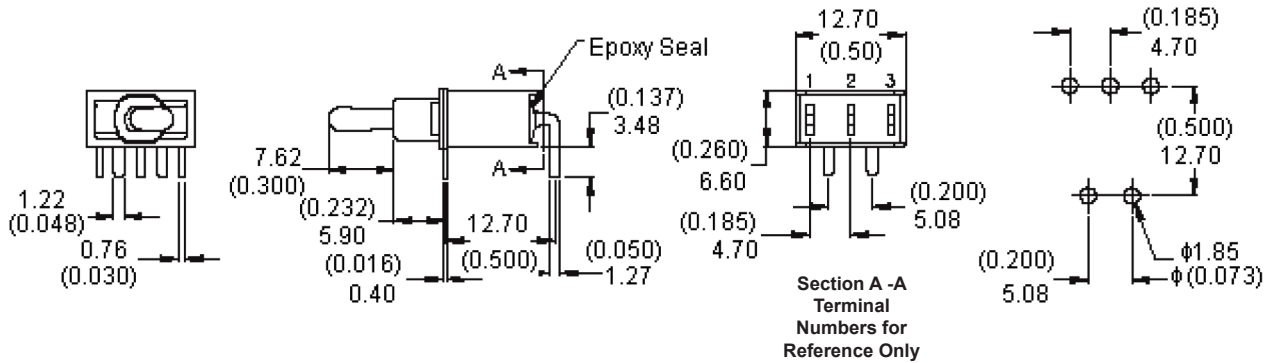
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Pole Option

M6RE

SPDT

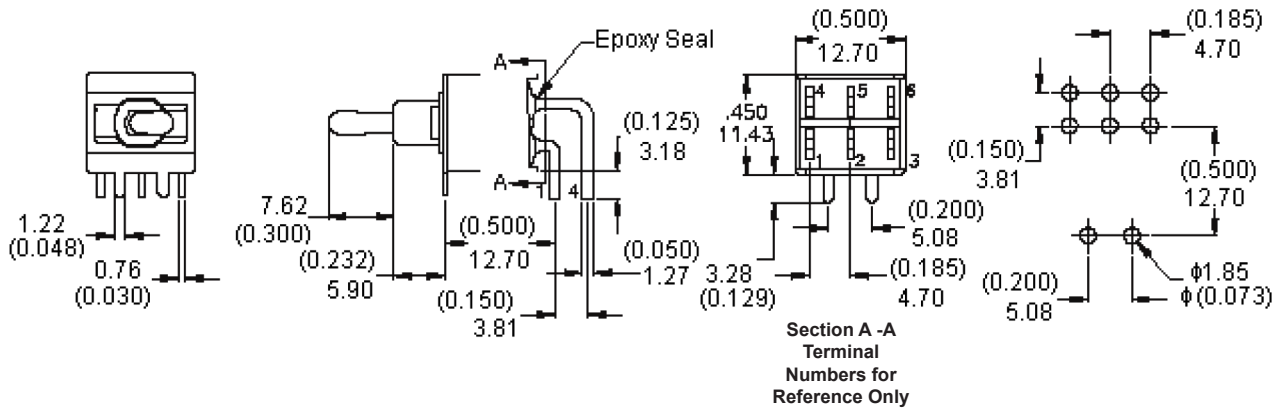
PCB Mounting



M6RE

DPDT

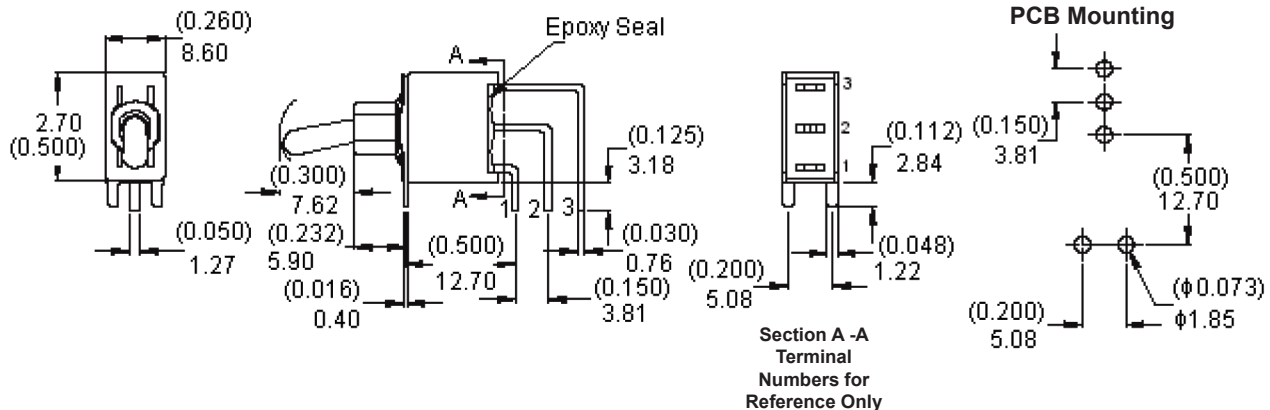
PCB Mounting



M7RE

SPDT

PCB Mounting



Dimensions : Millimetres (Inches)

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Toggle Switches

Sub-Miniature

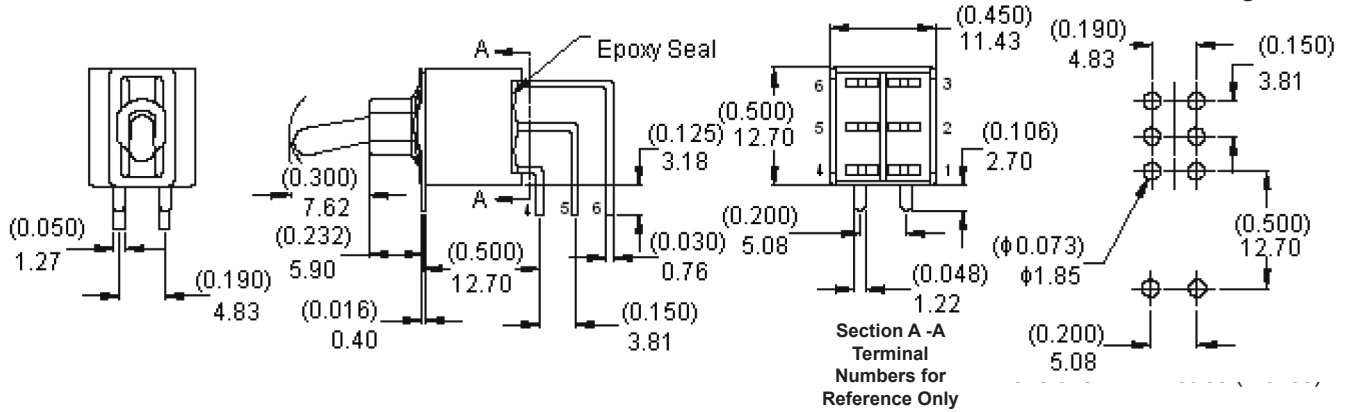
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Pole Option

M6RE

DPDT

PCB Mounting



Soldering Process

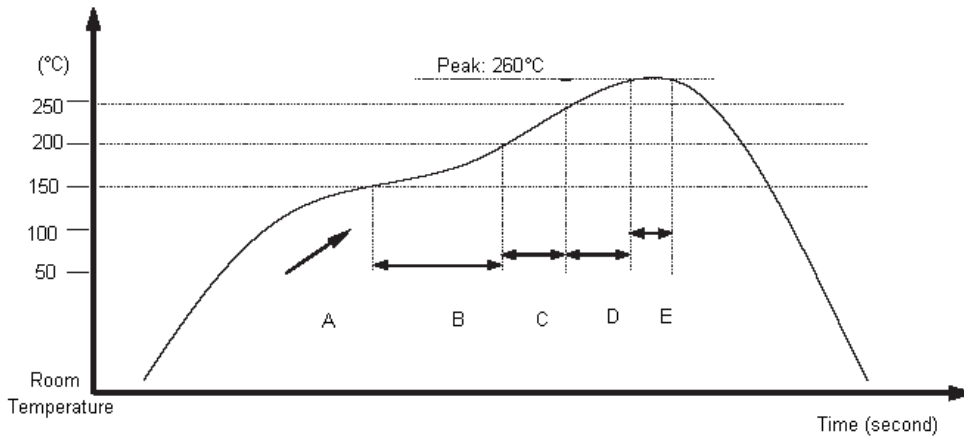
Manual soldering : Use soldering iron of 30 watts, controlled at 350°C approximately 5 seconds while applying solder

Wave soldering:

Recommended soldering temperature : 260 ±5°C.

Duration of solder immersion : 5 ±1 seconds (PCB is 1.6mm in thickness).

Soldering : Vapour phase.



Temperature Profile		
Zone	Room Temperature (°C)	Time (seconds)
Pre-heat (A)	150°C	Min. 120
Soak (B)	180°C to 200°C	Min. 150
Peak (C)	200°C to 235°C	Min. 30
Peak (D)	235°C to 260°C	Min. 40
Peak (E)	260°C	Max. 10

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Toggle Switches

Sub-Miniature

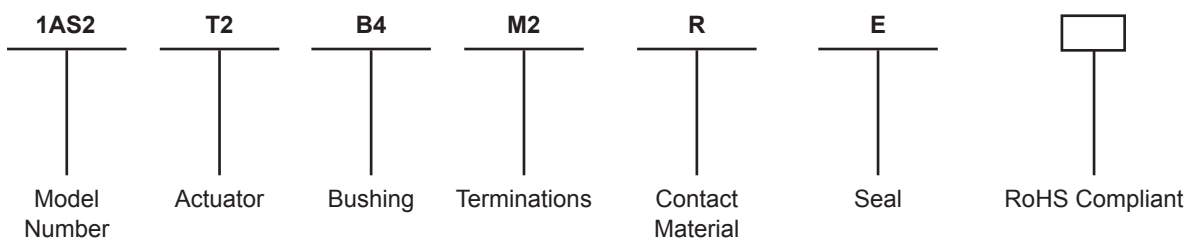
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Specifications

Number of Poles	Switch Function			Connected Terminals/Schematic			Model Number
	Position 1	Position 2	Position 3	Position 1	Position 2	Position 3	
SP	On	None	Mom		N/A		1AS2
	Mom	Off	On				Open
	On		Mom	1AS4			
	On	Mom	1AS5				
DP	On	None	On		NA		1AD1
			Mom				1AD2
	Mom	Off	On		Open		1AD3
			Mom				1AD4
	On	On	On				1AD5
							On

Mom = Momentary

Part Number Explanation:



Model Number : 1AS2 = SP On-None-Mom, 1AS3 = SP On-Off-On, 1AS4 = SP Mom-Off-Mom, 1AS5 = SP On-Off-Mom, 1AD1 = DP On-None-On, 1AD2 = DP On-None-Mom, 1AD3 = DP On-Off-On, 1AD4 = DP Mom-Off-Mom, 1AD5 = DP On-Off-Mom and 1AD6 = DP On-On-On.

Actuator : T2 = 7.62 High.

Bushing : B4 = 6.10 High.

Terminations : M2 = PVC Through Hole, M6 = Right Angle, PVC Through Hole and M7 = Vertical Right Angle, PVC Through Hole.

Contact Material : R = Gold

Seal : E = Epoxy (STD)

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Toggle Switches

Sub-Miniature

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Part Number Table

Description	Part Number
Switch, PCB, SPDT, Vertical, On-Mom	1AS2T2B4M2RE
Switch, PCB, SPDT, Vertical, Mom-Off-Mom	1AS4T2B4M2RE
Switch, PCB, SPDT, Vertical, On-Off-On	1AS3T2B4M2RE
Switch, PCB, SPDT, Vertical, On-Off-Mom	1AS5T2B4M2RE
Switch, PCB, DPDT, Vertical, On-Mom	1AD2T2B4M2RE
Switch, PCB, DPDT, Vertical, On-On	1AD1T2B4M2RE
Switch, PCB, DPDT, Vertical, Mom-Off-Mom	1AD4T2B4M2RE
Switch, PCB, DPDT, Vertical, On-Off-On	1AD3T2B4M2RE
Switch, PCB, DPDT, Vertical, On-Off-Mom	1AD5T2B4M2RE
Switch, PCB, DPDT, Vertical, On-On-On	1AD6T2B4M2RE
Switch, PCB, SPDT, Horizontal R/A, Mom-Off-Mom	1AS4T2B4M6RE
Switch, PCB, SPDT, Horizontal R/A, On-Off-Mom	1AS5T2B4M6RE
Switch, PCB, DPDT, Horizontal R/A, On-Mom	1AD2T2B4M6RE
Switch, PCB, DPDT, Horizontal R/A, On-On	1AD1T2B4M6RE
Switch, PCB, DPDT, Horizontal R/A, Mom-Off-Mom	1AD4T2B4M6RE
Switch, PCB, DPDT, Horizontal R/A, On-Off-On	1AD3T2B4M6RE
Switch, PCB, DPDT, Horizontal R/A, On-Off-Mom	1AD5T2B4M6RE
Switch, PCB, DPDT, Horizontal R/A, On-On-On	1AD6T2B4M6RE
Switch, PCB, SPDT, Vertical R/A, On-Mom	1AS2T2B4M7RE
Switch, PCB, SPDT, Vertical R/A, Mom-Off-Mom	1AS4T2B4M7RE
Switch, PCB, SPDT, Vertical R/A, On-Off-On	1AS3T2B4M7RE
Switch, PCB, SPDT, Vertical R/A, On-Off-Mom	1AS5T2B4M7RE
Switch, PCB, DPDT, Vertical R/A, On-Mom	1AD2T2B4M7RE
Switch, PCB, DPDT, Vertical R/A, On-On	1AD1T2B4M7RE
Switch, PCB, DPDT, Vertical R/A, Mom-Off-Mom	1AD4T2B4M7RE
Switch, PCB, DPDT, Vertical R/A, On-Off-On	1AD3T2B4M7RE
Switch, PCB, DPDT, Vertical R/A, On-Off-Mom	1AD5T2B4M7RE
Switch, PCB, DPDT, Vertical R/A, On-On-On	1AD6T2B4M7RE

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