

Toggle Switches

Miniature - Sealed



Specifications:

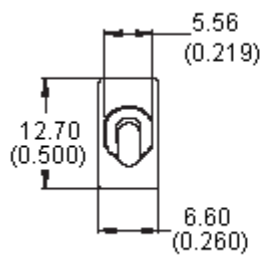
Contact Rating	: 0.4 volt-amps (VA) maximum at 20V maximum (AC or DC).
Mechanical Life	: 30,000 make-and-break cycles.
Contact Resistance	: 10mΩ maximum initial at 2 to 4V dc. 100mA for both silver and gold plated contacts.
Minimum Insulation Resistance	: 1,000MΩ.
Dielectric Strength	: 1,000VRMS at sea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

Materials:

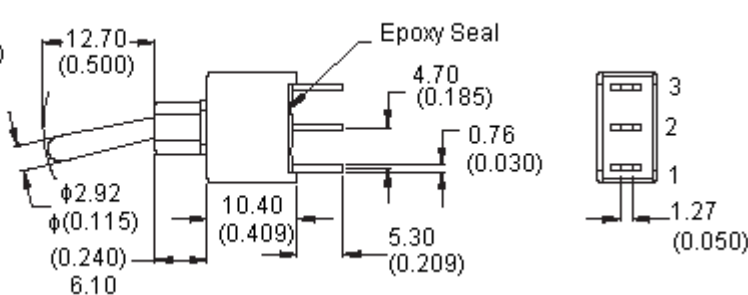
Case and Bushing	: Glass filled nylon 66, heat stabilized.
Actuator	: Brass, chrome plated with internal, O-ring seal standard.
Switch Support	: Brass or steel, tin plated.
Switch Support Retainer	: Stainless steel.
Contacts/Terminals	: Copper alloy, with gold plated.

Pole Option

M2RE

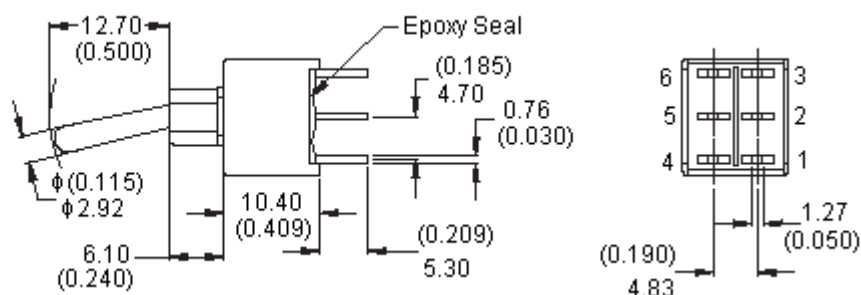
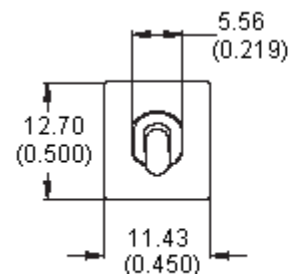


SPDT



DPDT

Dimensions : Millimetres (Inches)



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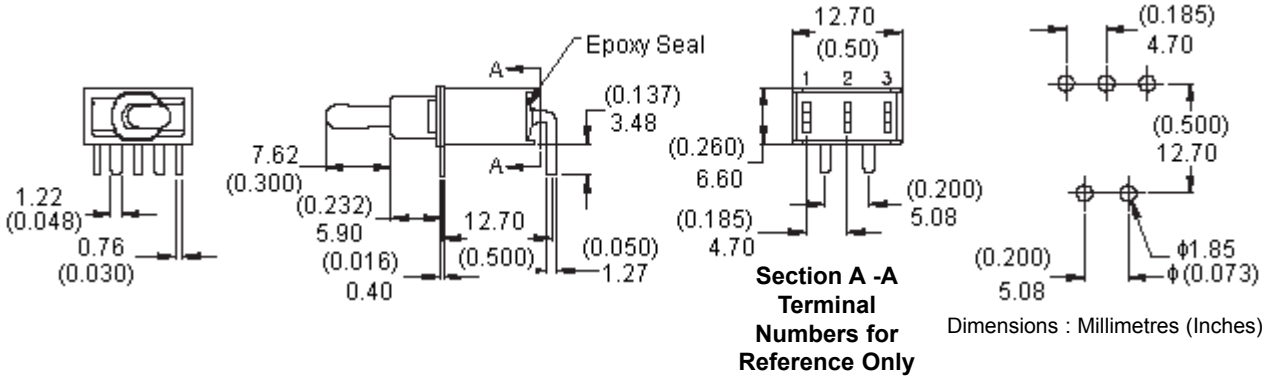
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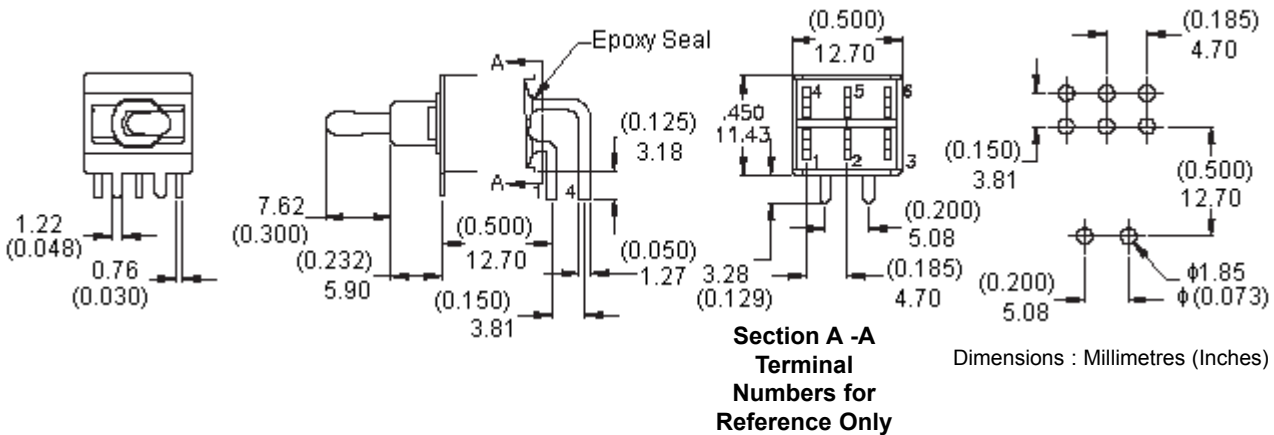
Pole Option

M6RE

SPDT

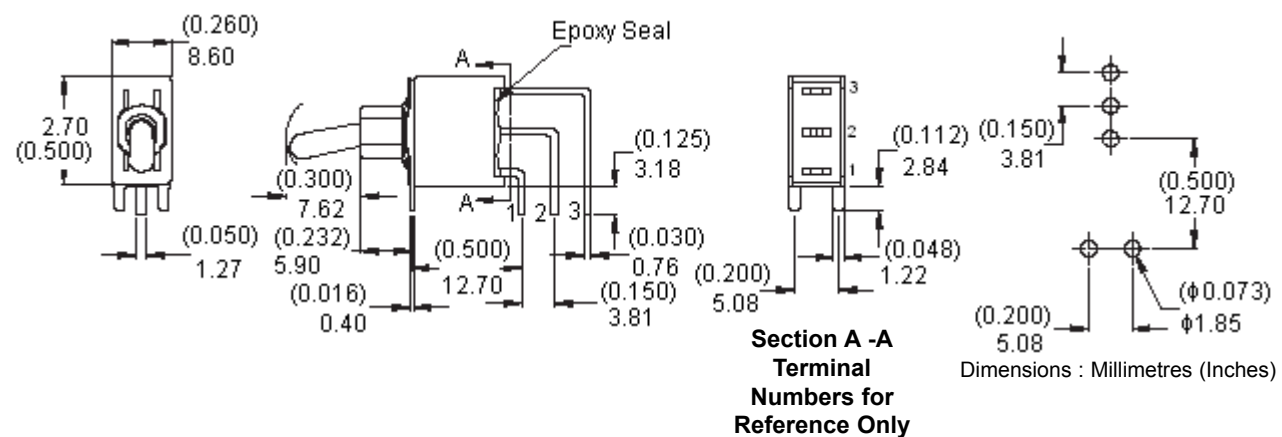


DPDT



M7RE

SPDT



Toggle Switches

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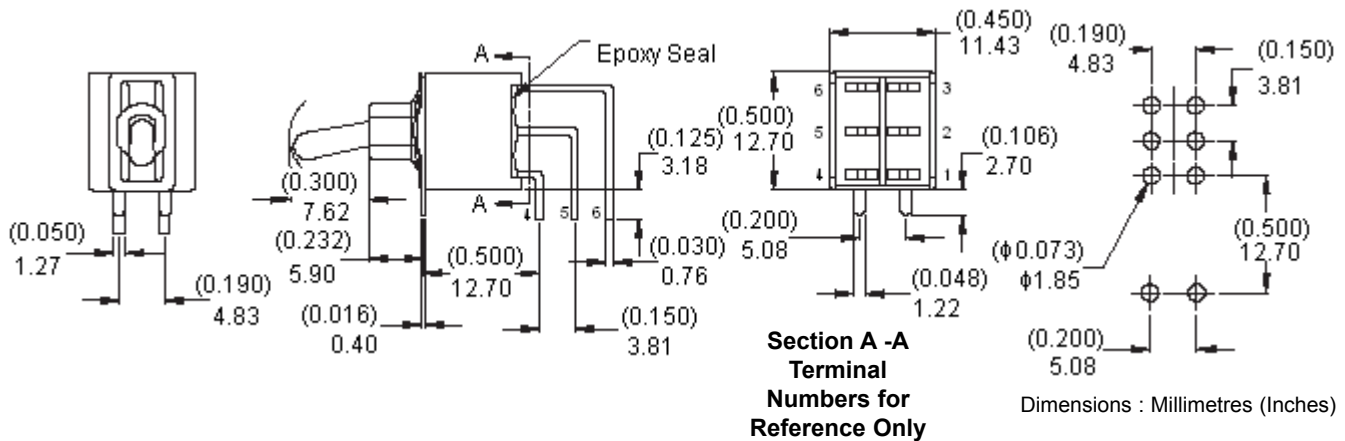


Pole Option

M7RE

DPDT

PCB Mounting



Soldering Process:

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

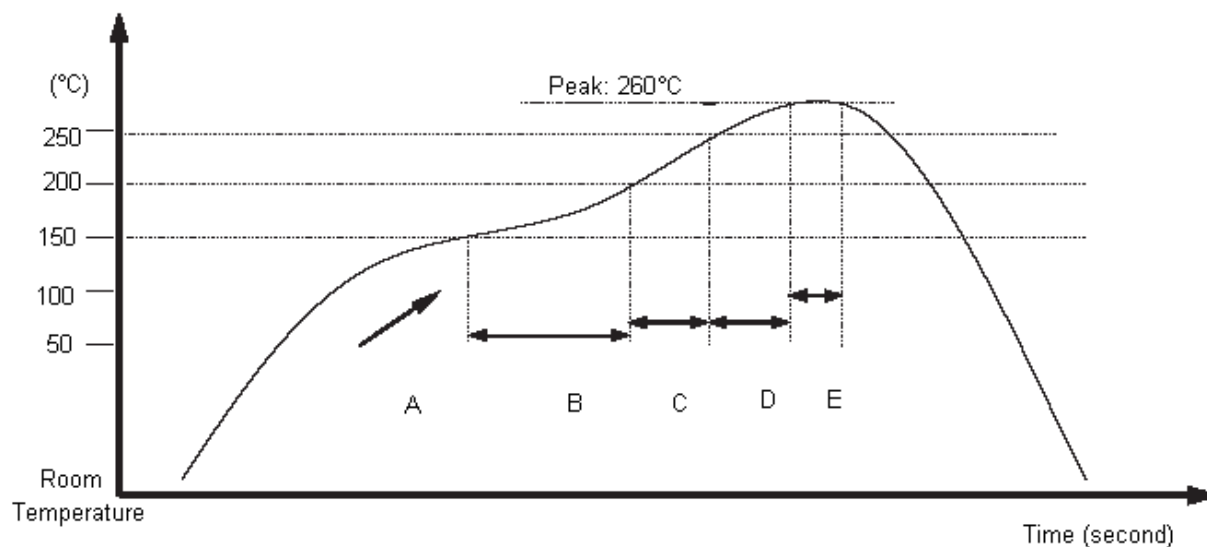
Wave soldering:

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	Minimum 120
Soak (B)	180°C to 200°C	Minimum 150
Peak (C)	200°C to 235°C	Minimum 30
Peak (D)	235°C to 260°C	Minimum 40
Peak (E)	260°C	Maximum 10



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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		1AS3	
	On		Mom					1AS4
								1AS5
DP	On	None	On		N/A		1AD1	
			Mom				On	1AD2
			On				On	1AD3
	Mom	Off	Mom		Open		1AD4	
	On						1AD5	
		On	On		2 - 3, 5 - 6	2 - 3, 5 - 4	2 - 1, 5 - 4	1AD6

Mom = Momentary

Specification 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



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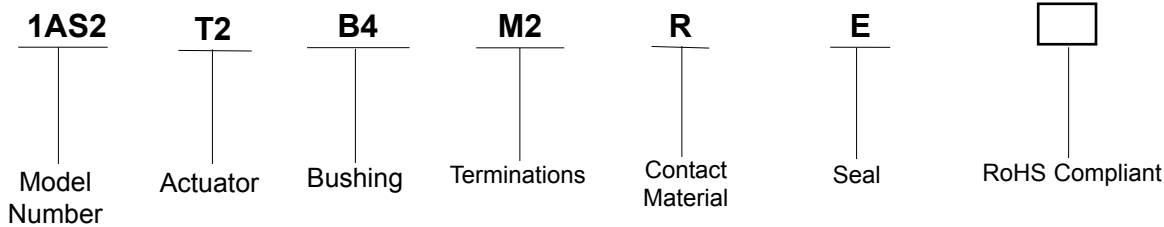
Miniature - Sealed



Specification Table

Description	Part Number
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

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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Notes:

International Sales Offices:

	AUSTRALIA - Farnell Tel No: ++61 1300 361 005 Fax No: ++61 1300 361 225		FINLAND - Farnell Tel No: ++ 358 9 560 7780 Fax No: ++ 358 9 345 5411		ITALY - Farnell Tel No: ++ 39 02 93 995 200 Fax No: ++ 39 02 93 995 300		SPAIN - Farnell Tel No: 901 20 20 80 Fax No: 901 20 20 90
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