

**SPECIFICATIONS**

Electrical Ratings	5A @ 120VAC, 28VDC; 2A @ 250VAC See Contact Options
Electrical Life	30,000 cycles typical
Contact Resistance	< 10 mΩ max initial @ 2-4VDC, 100mA
Dielectric Strength	1500Vrms min
Insulation Resistance	> 100MΩ min
Operating Temperature	-40°C to 85°C
Storage Temperature	-40°C to 85°C



**MATERIALS ←RoHS COMPLIANT**


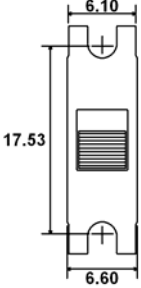
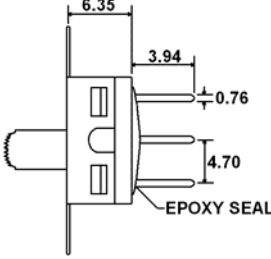
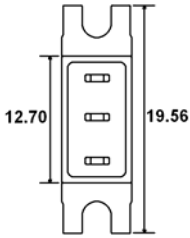




Actuator	6/6 Nylon
Housing	DAP – Diallyl Phthalate
Cover	Stainless Steel
Contacts	Copper Alloy, Silver Plated
Terminals	Brass, Silver Plated


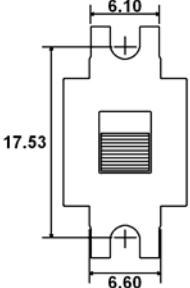
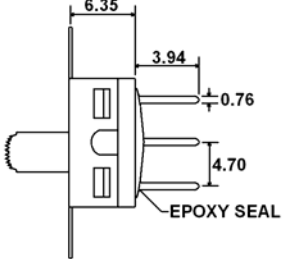
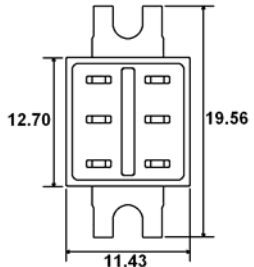



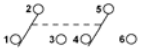
**UL** us - E222871

**ORDERING INFORMATION**

<b>Series:</b>	1	2	03	A1	B	C	E	B
<b>Number of Poles:</b>								
1 = SPDT								
2 = DPDT								
<b>Switch Function:</b>								
01 = ON-NONE-ON								
02 = ON-NONE-(ON)								
03 = ON-OFF-ON								
<b>Actuator:</b>								
A1 = 5.08mm								
A2 = 7.24mm								
A3 = 9.40mm								
A4 = 3.60mm								
A7 = 12.32mm								
D1 = 5.08mm <b>**Only available with DPDT</b>								
<b>Terminals:</b>								
B = Solder Lug								
C = PC Pin								
D = Quick Connect								
H = Horizontal Mount, Right Angle PC Pin								
V = Vertical Mount, Right Angle PC Pin								
S20 = PC Pin with Support Bracket								
<b>Contacts:</b>								
Q = Silver Plated								
R = Gold Plated								
G = Gold over Silver Plated								
<b>Epoxy Seal:</b>								
E = Epoxy Seal								
<b>Mounting Style:</b>								
A = No Mounting Ears								
B = With Mounting Ears								

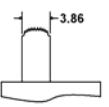
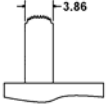
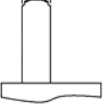
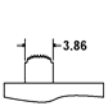
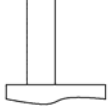
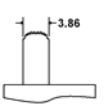
**SWITCH FUNCTION**

	Function	Toggle Position					
							
		1	2	3			
SPDT		ON	NONE	ON			
		ON	NONE	(ON)			
		ON	OFF	ON			
	Terminals	2-3	---	2-1			

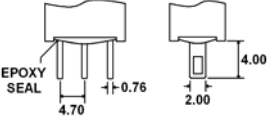
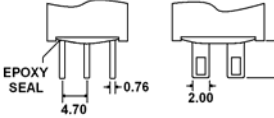
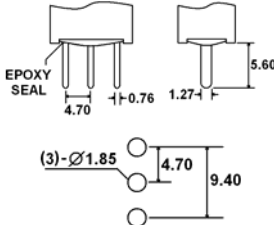
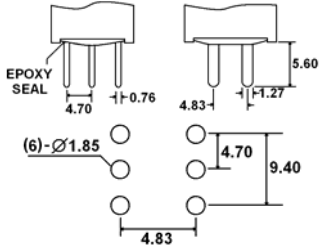
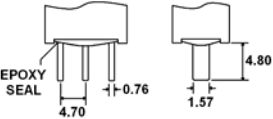
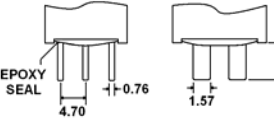
	Function	Toggle Position					
							
		1	2	3			
DPDT		ON	NONE	ON			
		ON	NONE	(ON)			
		ON	OFF	ON			
	Terminals	2-3 5-6	---	2-1 5-4			

**ACTUATOR OPTIONS**

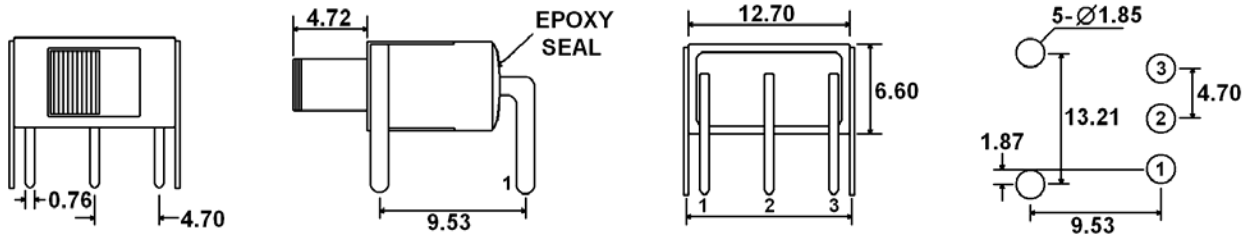
\*\* Actuator lengths shown with B, C, D, or S20 Terminals, subtract 0.36mm for H or V terminals.

					
A1	A2	A3	A4	A7	D1

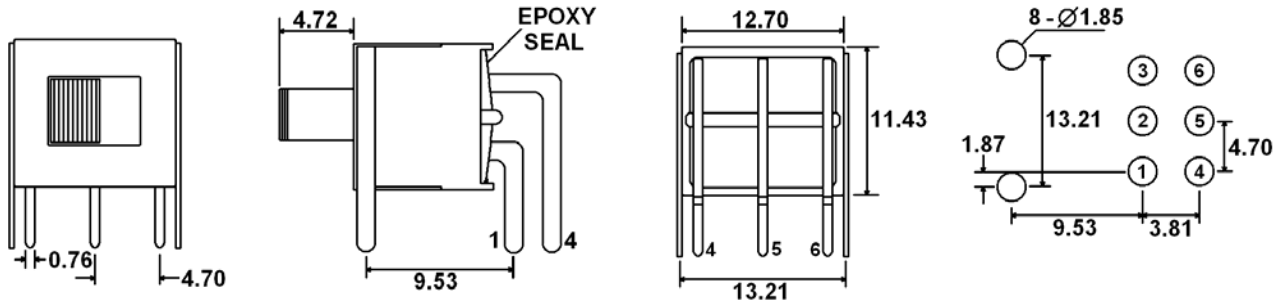
**TERMINAL OPTIONS**

			
B (Single Pole)	B (Double Pole)	C (Single Pole)	C (Double Pole)
			
D (Single Pole)	D (Double Pole)		

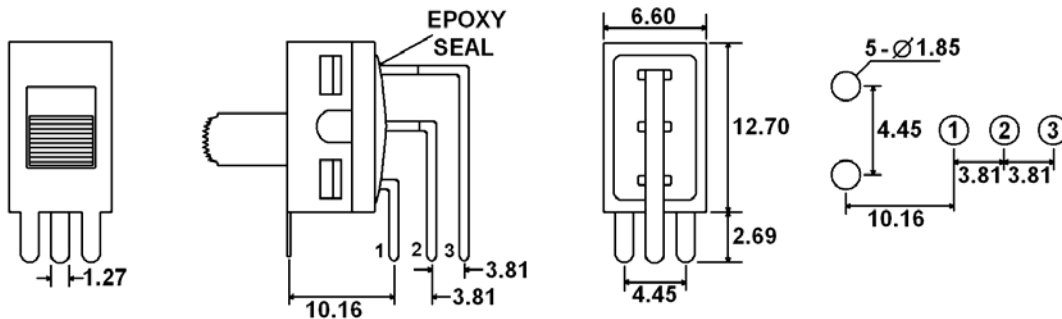
**TERMINAL OPTIONS**



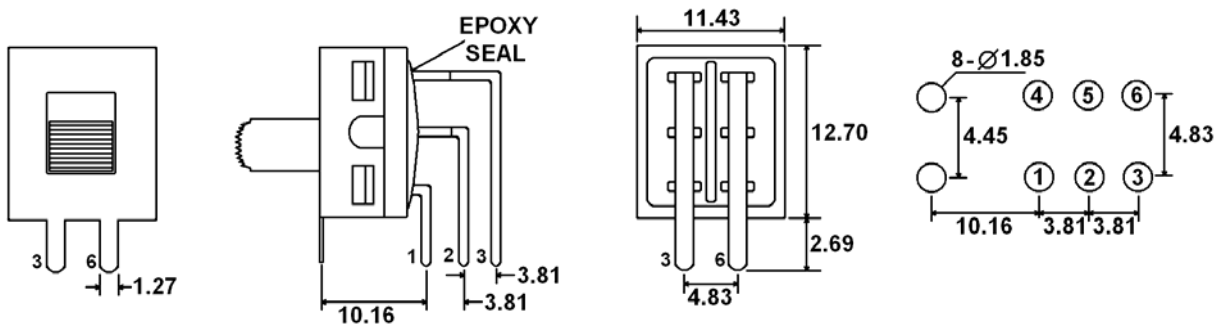
**H = Horizontal Mount, Right Angle PC Pins (Single Pole)**



**H = Horizontal Mount, Right Angle PC Pins (Double Pole)**

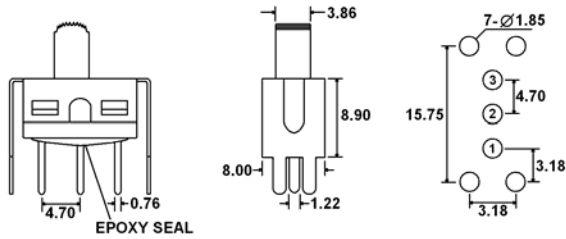


**V = Vertical Mount, Right Angle PC Pins (Single Pole)**

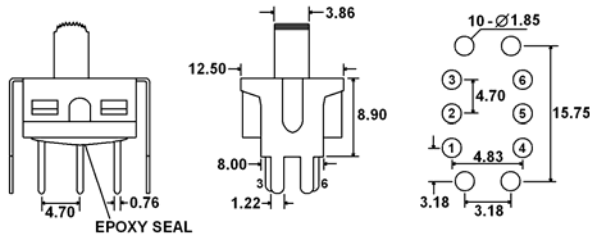


**V = Vertical Mount, Right Angle PC Pins (Double Pole)**

## TERMINAL OPTIONS



**S20 = PC Pins with Support Bracket (Single Pole)**



**S20 = PC Pins with Support Bracket (Double Pole)**

## CONTACT OPTIONS

Designator	Contact Material	Terminal Material	Electrical Ratings
Q	Silver Plating	Silver Plating	5A @ 120VAC, 28VDC; 2A @ 250VAC
R	Gold over Nickel Plating	Gold over Nickel Plating	.4 VA max @ 20VAC or VAC max
G	Gold over Silver Plating	Gold over Silver Plating	.4 VA max @ 20VAC or VAC max or 5A @ 120VAC, 28VDC; 2A @ 250VAC

## MOUNTING OPTIONS

<p><b>For A1, A2, A3, &amp; A4 Switch Functions 1 &amp; 2</b></p> <p><b>A = No Mounting Ears</b></p>	<p><b>For D1 Switch Functions 1 &amp; 2</b></p> <p><b>A = No Mounting Ears</b></p>	<p><b>For A1, A2, A3, &amp; A4 Switch Function 3</b></p> <p><b>A = No Mounting Ears</b></p>	<p><b>For D1 Switch Function 3</b></p> <p><b>A = No Mounting Ears</b></p>
<p><b>For A1, A2, A3, &amp; A4 Switch Functions 1 &amp; 2</b></p> <p><b>B = Mounting Ears</b></p>	<p><b>For D1 Switch Functions 1 &amp; 2</b></p> <p><b>B = Mounting Ears</b></p>	<p><b>For A1, A2, A3, &amp; A4 Switch Function 3</b></p> <p><b>B = Mounting Ears</b></p>	<p><b>For D1 Switch Function 3</b></p> <p><b>B = Mounting Ears</b></p>