

# Slide Switches

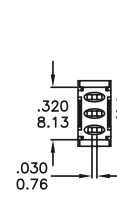
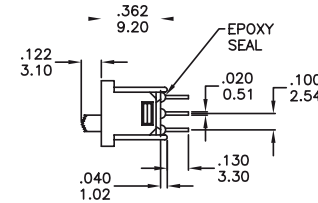
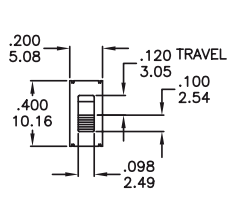
## Sub-Miniature Slide Switches

## SB6 Series

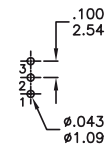


SPDT

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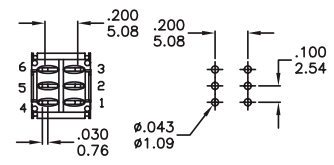
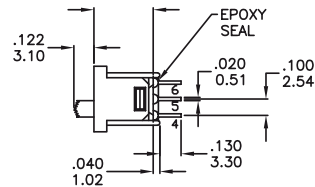
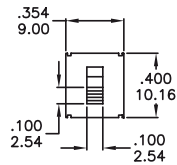


P.C. MOUNTING



DPDT

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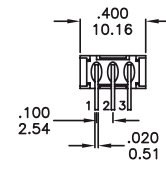
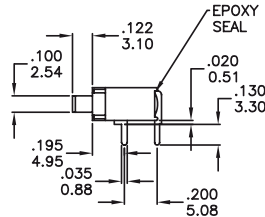
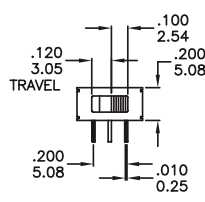
P.C. MOUNTING

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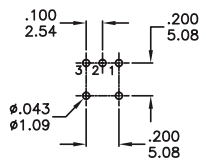


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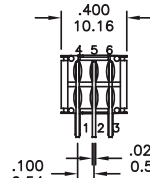
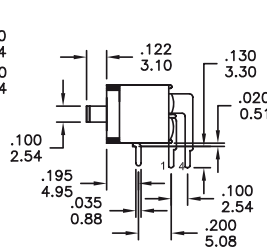
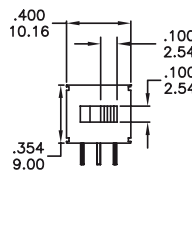


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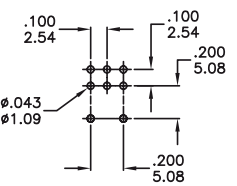


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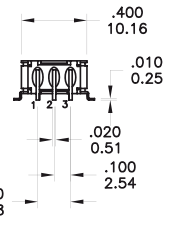
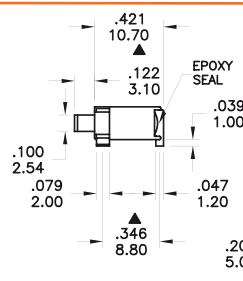
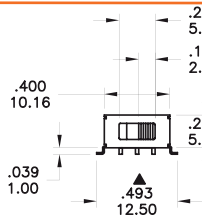


P.C. MOUNTING

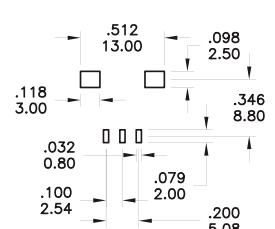


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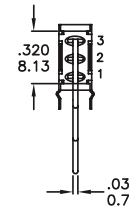
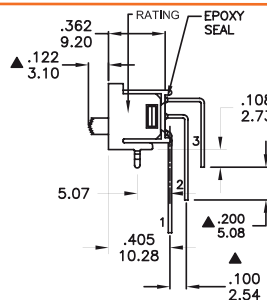
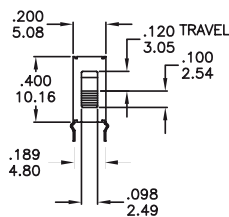


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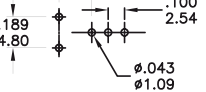


SPDT

SB6S1A1T7NAUE\_



P.C. MOUNTING



### How to order:

SB6 1 2 3 4 5 6

**1** POLES & SWITCHING:  
S1 SP ON-NONE-ON  
S2 SP ON-NONE-MOM  
S3 SP ON-OFF-ON  
D1 DP ON-NONE-ON  
D3 DP ON-OFF-ON

**2** ACTUATOR:  
A1 3.10 mm high

**3** TERMINALS:  
T2 PC Thru-Hole  
T5 Wire Wrap  
T6 Right Angle PC Thru-Hole  
T6N Right Angle Snap-in PC Thru-Hole  
T7 Vertical Right Angle, PC thru-Hole  
T7N Vertical Right Angle, Snap-in PC thru-Hole  
TZ Right Angle, SMT

**4** CONTACT MATERIAL:  
AG Silver  
AU Gold  
UT Gold, tin-lead

GT Silver, tin-lead  
UG Gold over Silver  
UGT Gold over Silver, tin-lead

**5** SEAL:  
E Epoxy (Standard)

**6** ROHS & LEAD FREE:  
V RoHS Compliant & Lead Free

### General Specifications:

**MATERIALS**

- » Movable Contact & Fixed Terminals:
  - AG, G T, UG & UGT: Silver plated over copper alloy
  - AU & UT: Gold over nickel plated over copper alloy

**MECHANICAL**

- » Operating Temperature: -40°C to +85°C
- » Mechanical Life: 30,000 cycles at full load

**CONTACT RATING**

- » AG, G T, UG & UGT: 3A 120 VAC/28VDC; 1A 250VAC
- » AU & UT: 0.4 VA max. 20V max. (AC/DC)

**ELECTRICAL**

- » Contact Resistance: 20mΩ max. initial @ 2-4VDC  
100mA for silver & gold plated contacts
- » Insulation Resistance: 1,000M Ω min.

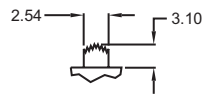
# Slide Switches

## Sub-Miniature Slide Switches

## SB6 Series

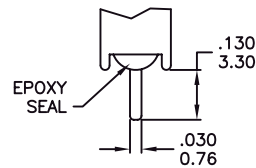
### ACTUATOR OPTIONS

A1 3.10 mm high

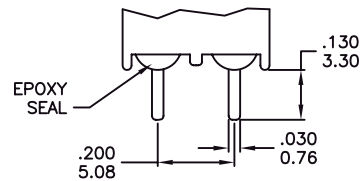


### TERMINAL OPTIONS

T2 PC Thru-Hole SP



T2 PC Thru-Hole DP



### SNAP-IN TERMINALS PC THRU-HOLE

T6N



### SWITCH FUNCTION

No. Poles	Model No.	Switch Function			Connected Terminals / Schematic		
		Pos. 1	Pos. 2	Pos. 3	Pos. 1	Pos. 2	Pos. 3
SP	SB6S1	ON	NONE	ON		OPEN	
	SB6S2	ON	NONE	MOM		OPEN	
	SB6S3	ON	OFF	ON		OPEN	
DP	SB6D1	ON	NONE	ON		OPEN	
	SB6D3	ON	OFF	ON		OPEN	

### SOLDERING

#### SOLDERING PROCESSES

**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** : Vapor phase

#### Temperature Profile

Zone	Room temperature	Time ( Sec )
Pre-heat ( A )	150°C	Min 120s
Soak ( B )	180°C~200°C	Min 150s
Peak ( C )	200°C~235°C	Min 30s
Peak ( D )	235°C~260°C	Min 40s
Peak ( E )	260°C	Max 10s

