

# Slide Switches

## Sub-Miniature Slide Switches

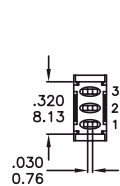
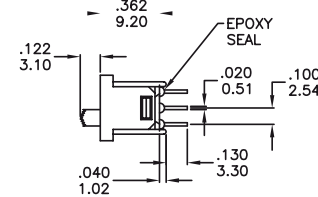
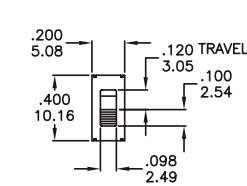
## SB6 Series

Slide Switches

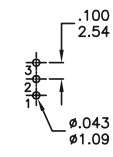


SPDT

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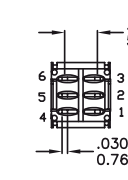
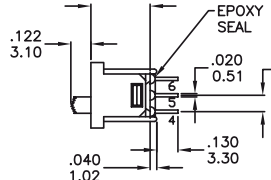
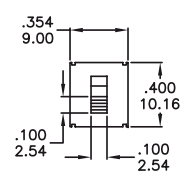


P.C. MOUNTING

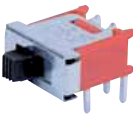
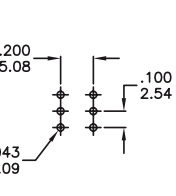


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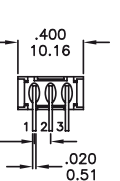
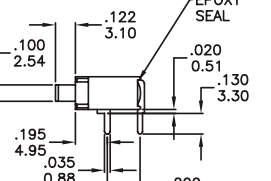
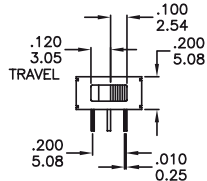


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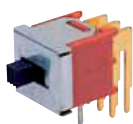
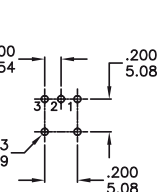


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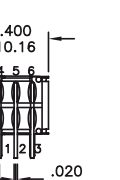
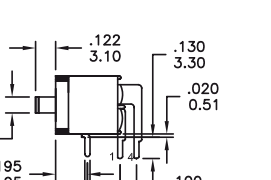
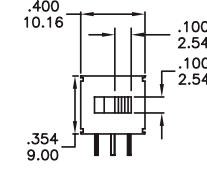


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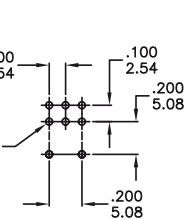


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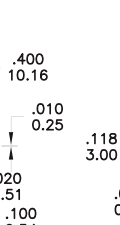
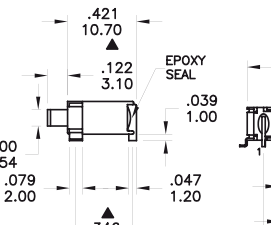
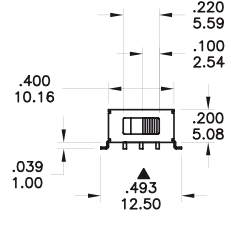


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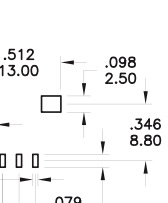


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**SB6S1A1TZAUE\_**

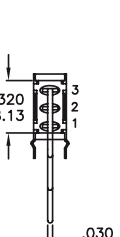
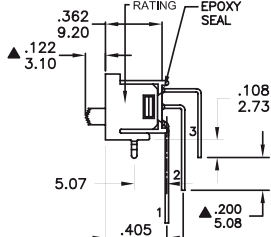
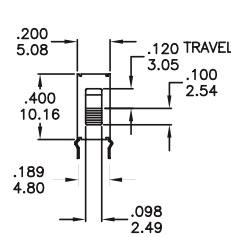


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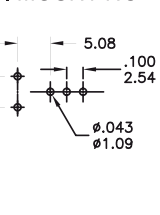


SPDT

**SB6S1A1T7AUE\_**



P.C. MOUNTING



### How to order:

SB6

- 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  
 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)  
 N No Epoxy

- 6 ROHS & LEAD FREE:**  
 blank RoHS Compliant (Standard)  
 V RoHS Compliant & Lead Free

### General Specifications:

#### MATERIALS

- » Contact: Silver or gold plated
- » Terminals: Copper alloy, with silver and gold plated.

#### MECHANICAL

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

#### CONTACT RATING

- » AG, GT, UG & UGT: 3A120VAC/28VDC, 1A250VAC
- » AU & UT: 0.4VA max. 20V max. (AC/DC)

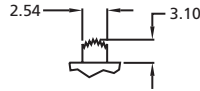
#### ELECTRICAL

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

All specifications are restricted to QA test criteria.  
 DRW: D.L. JIN, CHK: D.F. LEE, APP: H.Z. QIU

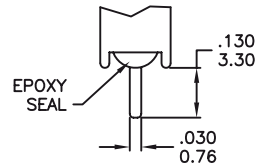
### ACTUATOR OPTIONS

**A1** 3.10 mm high

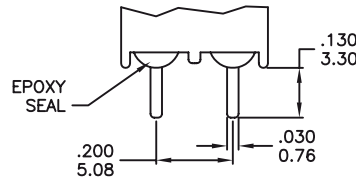


### TERMINAL OPTIONS

**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			
	SB6S2	ON	NONE	MOM		OPEN	
	SB6S3	ON	OFF	ON		OPEN	
DP	SB6D1	ON	NONE	ON			
	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

