

# Slide Switches

## Sub-Miniature Slide Switches

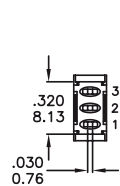
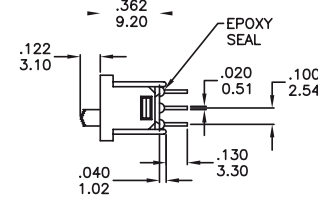
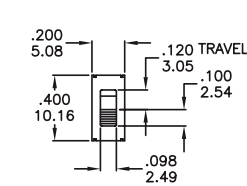
## SB6 Series

Slide Switches

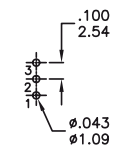


SPDT

**SB6S1A1T2AGE\_**

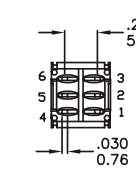
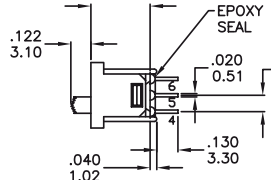
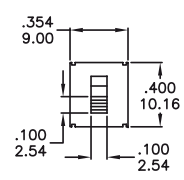


P.C. MOUNTING

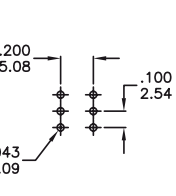


DPDT

**SB6D1A1T2AGE\_**

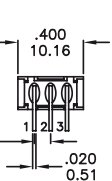
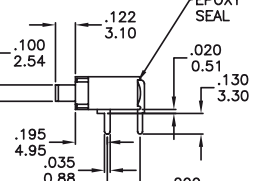
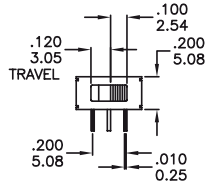


P.C. MOUNTING

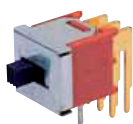
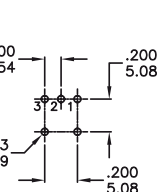


SPDT

**SB6S1A1T6AGE\_**

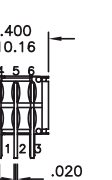
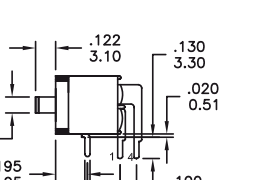
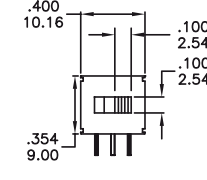


P.C. MOUNTING

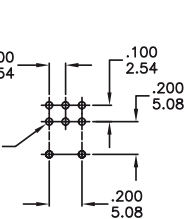


DPDT

**SB6D1A1T6AGE\_**

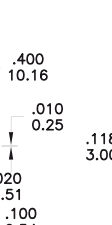
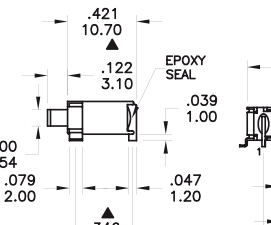
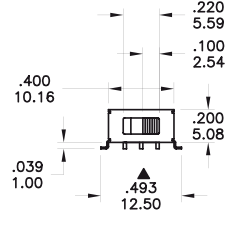


P.C. MOUNTING

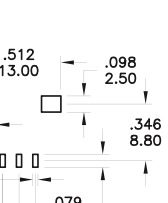


SPDT

**SB6S1A1TZAUE\_**

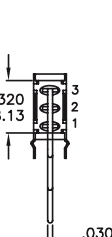
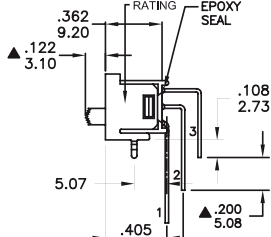
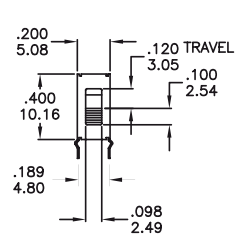


P.C. MOUNTING

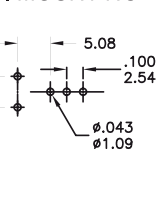


SPDT

**SB6S1A1T7AUE\_**



P.C. MOUNTING



### How to order:

SB6

- |                             |                                       |  |
|-----------------------------|---------------------------------------|--|
| <b>1</b> POLES & SWITCHING: | <b>3</b> TERMINALS:                   | <b>GT</b> Silver, tin-lead             |
| S1 SP ON-NONE-ON            | T2 PC Thru-Hole                       | <b>UG</b> Gold over Silver             |
| S2 SP ON-NONE-MOM           | T5 Wire Wrap                          | <b>UGT</b> Gold over Silver, tin-lead  |
| S3 SP ON-OFF-ON             | T6 Right Angle PC Thru-Hole           |  |
| D1 DP ON-NONE-ON            | T6N Right Angle Snap-in PC Thru-Hole  | <b>5</b> SEAL:                         |
| D3 DP ON-OFF-ON             | T7 Vertical Right Angle, PC thru-Hole | E Epoxy (Standard)                     |
|                             | TZ Right Angle, SMT                   | N No Epoxy                             |
| <b>2</b> ACTUATOR:          | <b>4</b> CONTACT MATERIAL:            | <b>blank</b> ROHS Compliant (Standard) |
| A1 3.10 mm high             | AG Silver                             | <b>V</b> ROHS Compliant & Lead Free    |
|                             | AU Gold                               |  |
|                             | UT Gold, tin-lead                     |  |

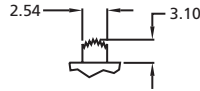
### General Specifications:

- 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

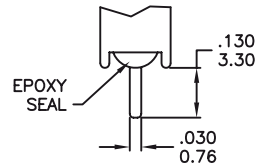
### ACTUATOR OPTIONS

**A1** 3.10 mm high

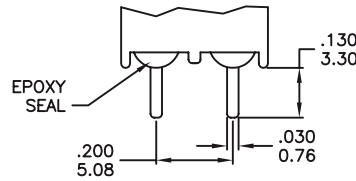


### TERMINAL OPTIONS

**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		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

