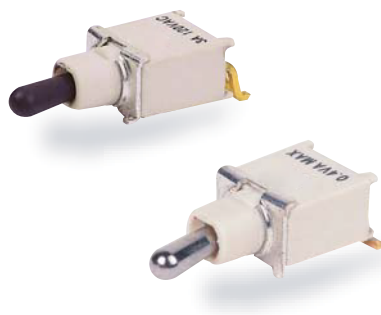


S2B SERIES

Sealed Sub-Miniature Toggle Switches(SMT)



SPECIFICATIONS

CONTACT RATING: Dependent upon contact material.

MECHANICAL LIFE: 30,000 make-and-break cycles.

CONTACT RESISTANCE: 20mΩ max. initial @ 2-4VDC
100mA for both silver and gold plated contacts.

INSULATION RESISTANCE: 1,000MΩ min.

DIELECTRIC STRENGTH: 1,000 V RMS@sea level.

OPERATING TEMPERATURE: -30°C to 85°C.

MATERIALS

CASE & BUSHING: Glass filled nylon 4/6, flame retardant,
heat srabilized (UL94v-0).

ACTUATOR: Brass, chrome plated, internal O-ring seal.
Standard for all actuators.

SWITCH SUPPORT: Brass, tin plated.

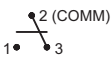
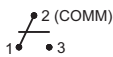
CONTACT / TERMINALS: Copper alloy, with Silver or gold plated.



HOW TO ORDER

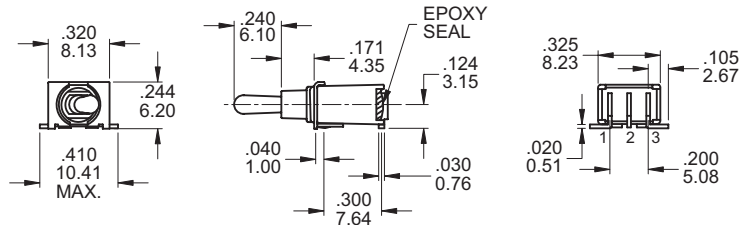
MODEL NO.	ACTUATOR	BUSHING	TERMINATIONS	CONTACT MATERIAL	SEAL	ROHS SOLDERING
□□□□	□□	□□□	□□□	□	E	□
MODEL NO. S2BS1 SP On-None-On S2BS2 SP On-None-Mom S2BS3 SP On-Off -On S2BS4 SP Mom-Off-Mom S2BS5 SP On-Off-Mom	ACTUATOR T1 10.16 high T2 6.10 high T4 13.97 high TA Plastic, anti-static, 10.16 high TB Plastic, anti-static, 6.10 high	BUSHING A1 4.35 high (Std)	TERMINATIONS MT (STD) Right angle, surface mount. MZ (STD)	CONTACT MATERIAL Q Silver R Gold G Gold, pure-tin S Silver, pure-tin C Gold over silver K Gold over silver, pure-tin	SEAL E EPOXY (std)	ROHS SOLDERING □ RoHS Compliant S RoHS & Lead Free F Halogen Free+RoHS

SWITCH FUNCTION

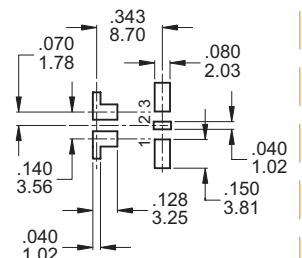
NO. POLES	UL-CSA	MODEL NO.	SWITCH FUNCTION			CONNECTED TERMINALS / SCHEMATIC		
			POS.1	POS.2	POS.3	POS.1	POS.2	POS.3
								
SP	Q22B11	S2BS1	ON	NONE	ON	2-3 	N/A	2-1 
	Q22B12	S2BS2	ON	NONE	MOM			
	Q22B13	S2BS3	ON	OFF	ON			
	Q22B14	S2BS4	MOM	OFF	MOM			
	Q22B15	S2BS5	ON	OFF	MOM			

POLE OPTIONS

MT



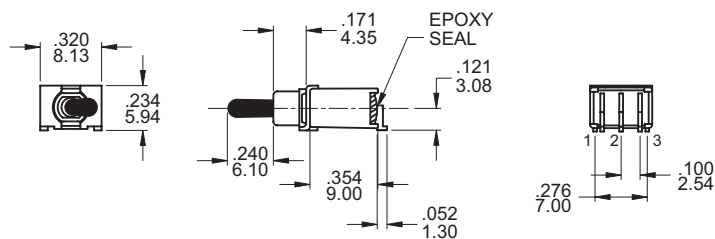
P.C. MOUNTING



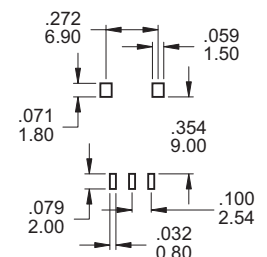
SPDT

Part No. Shown : S2BS1T2A1MTRE

MZ



P.C. MOUNTING

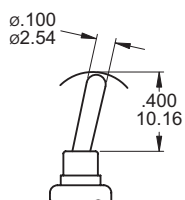


SPDT

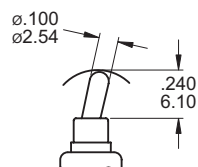
Part No. Shown : S2BS1TBA1MZRE

ACTUATOR OPTIONS

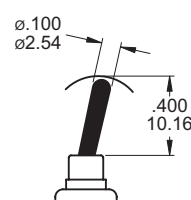
T1



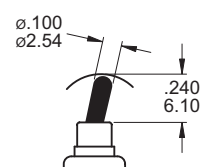
T2



TA



TB



ESD
PLASTIC ACTUATOR

Switches available on embossed antistatic tape and reels.
Tape and cover strip are conductive for use near statically sensitive components.



喜威達企業股份有限公司
SWEETA PRODUCTS CORPORATION

CONTACT MATERIAL OPTIONS

	CONTACT PLATING	TERMINAL PLATING	RATINGS
Q	Silver	Q = Gold flash over silver	3 Amps with resistant load @ 120VAC or 28VDC 1 Amps with resistant load @ 250VAC
S		S = Gold flash over silver,pure - tin	
C	Gold over Silver	C = Gold over silver	
K		K = Gold over silver,pure - tin	
R	Gold	R = Gold	0.4 Volt - Amps (VA) max. @ 20V max. (AC or DC)
G		G = Gold,pure - tin	

SOLDERING PROCESSES

WAVE SOLDERING : Recommended Soldering Temperature : $260 \pm 5^{\circ}\text{C}$

Duration of Solder Immersion : Max 5sec.

(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)	$180^{\circ}\text{C} \sim 200^{\circ}\text{C}$	Min 150s
Peak (C)	$200^{\circ}\text{C} \sim 235^{\circ}\text{C}$	Min 30s
Peak (D)	$235^{\circ}\text{C} \sim 260^{\circ}\text{C}$	Min 40s
Peak (E)	260°C	Max 5s

