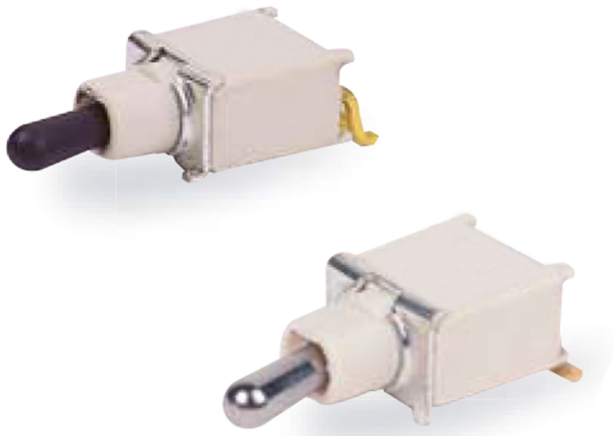




SPECIFICATIONS

**CONTACT RATING:** Dependent upon contact material  
**MECHANICAL LIFE:** 30,000 make-and-break cycles.  
**CONTACT RESISTANCE:** 20 mΩ max. initial @ 2-4VDC  
100mA for both silver and gold plated contacts.  
**INSULATION RESISTANCE:** 1,000 MΩ min.  
**DIELECTRIC STRENGTH:** 1,000 Vrms min.@sea level.  
**OPERATING TEMPERATURE:** -30°C to 85°C.

MATERIALS

**CASE & BUSHING:** Glass filled nylon 6/6,flame retardant,  
heat stabilized (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.



2B  
Toggle Switches

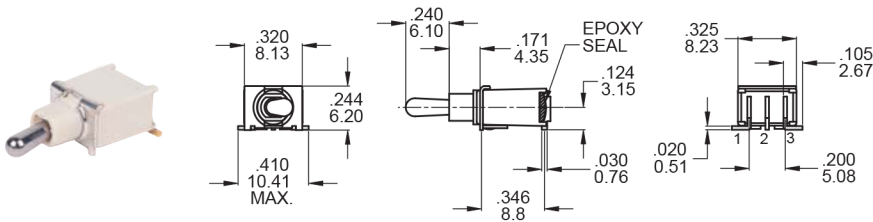
SWITCH FUNCTION

| NO. POLES | UL/CSA MODEL NO. | MODEL NO. | SWITCH FUNCTION                                                                     |                                                                                     |                                                                                     | CONNECTED TERMINALS / SCHEMATIC                                                     |                                                                                       |                                                                                       |
|-----------|------------------|-----------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|           |                  |           | POS.1                                                                               | POS.2                                                                               | POS.3                                                                               | POS.1                                                                               | POS.2                                                                                 | POS.3                                                                                 |
|           |                  |           |  |  |  |  |  |  |
| SP        | Q22B11           | 2BS1      | ON                                                                                  | NONE                                                                                | ON                                                                                  | 2-3                                                                                 | N/A                                                                                   | 2-1                                                                                   |
|           | Q22B12           | 2BS2      | ON                                                                                  | NONE                                                                                | MOM                                                                                 |                                                                                     |                                                                                       |                                                                                       |
|           | Q22B13           | 2BS3      | ON                                                                                  | OFF                                                                                 | ON                                                                                  |                                                                                     | OPEN                                                                                  |                                                                                       |
|           | Q22B14           | 2BS4      | MOM                                                                                 | OFF                                                                                 | MOM                                                                                 |  |                                                                                       |                                                                                       |
|           | Q22B15           | 2BS5      | ON                                                                                  | OFF                                                                                 | MOM                                                                                 |                                                                                     |                                                                                       |                                                                                       |

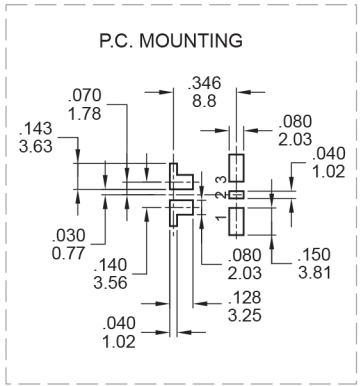
MOM=MOMENTARY

POLE OPTIONS

MT



P.C. MOUNTING



SPDT

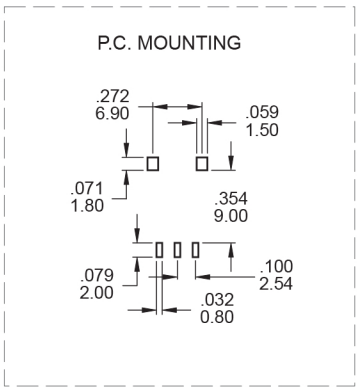
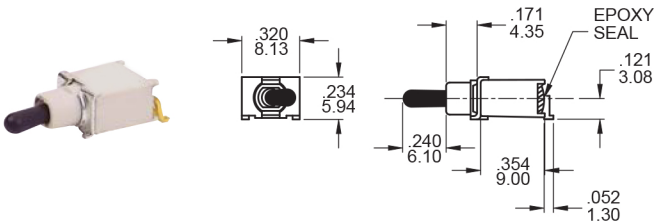
POLE OPTIONS

MZ



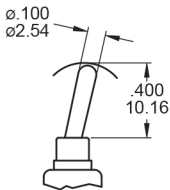
2B  
Toggle Switches

SPDT

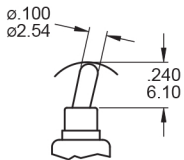


ACTUATOR OPTIONS

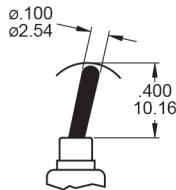
T1



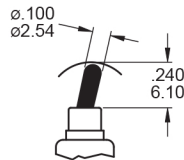
T2



TA



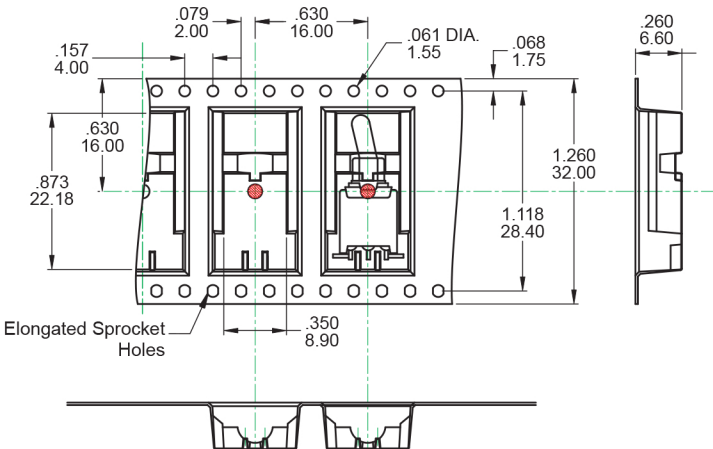
TB



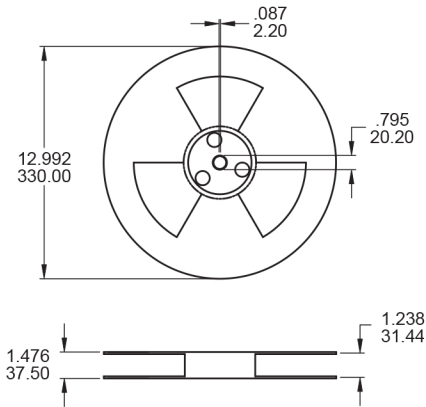
PLASTIC ACTUATOR

PACKAGING

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



SCALE: 1 : 1



SCALE: 10 : 1

| REEL INFORMATION  |           |
|-------------------|-----------|
| QUANTITY PER REEL | 500 / pcs |

CONTACT MATERIAL OPTIONS

|   | CONTACT PLATING  | TERMINAL PLATING           | RATINGS                                                                             |
|---|------------------|----------------------------|-------------------------------------------------------------------------------------|
| Q | Silver           | Q = Gold flash over silver | 3 Amps with resistant load @ 120VAC or 28VDC<br>1 Amps with resistant load @ 250VAC |
| C | Gold over Silver | C = Gold over silver       |                                                                                     |
| R | Gold             | R = Gold                   | 0.4 Volt - Amps ( VA ) max. @ 20V max. ( AC or DC )                                 |

SOLDERING PROCESSES

REFLOW SOLDERING:  
Recommended Soldering Temperature: 260 ± 5°C  
Duration of Solder Immersion: Max 5 sec.  
(PCB is 1.6mm in thickness)  
**SOLDERING:** Vapor phase & IR-reflow soldering can be applied.

