

## FEATURES:

- Setting(+,0,-) function 3<sup>n</sup> codes.
- Double Contacts
- Low contact resistance
- High reliability

## MATERIAL:

- Base & Cover: UL 94V-0 PBT High Thermoplastic.  
Color: Black
- Actuator: UL94V-0 Nylon Thermoplastic  
Color: White
- Contact: Alloy Copper with gold plated
- Terminal: Brass with gold plated
- Contact Plating: Gold plated over nickel.

## SPECIFICATION

### MECHANICAL

- Mechanical Life: 2000 operations per switch
- Operation Force: 1000 gf max
- Stroke: 1.0mm
- Operation Temperature Range: -20°C to +70°C
- Storage Temperature Range: -40°C to +85°C
- Vibration Test: MIL-STFD-202F METHOD 201A.  
Frequency: 10-55-10Hz/1 minute  
Directions: X,Y,Z, three mutually perpendicular directions.  
Time: 2 hours each direction.  
High reliability.
- Shock Test: MIL-STD-202F METHOD 213B  
CONDITION A.  
Gravity: 50G (peak value), 11 msec  
Direction and times: 6 sides and 3 times in each direction.  
High reliability.

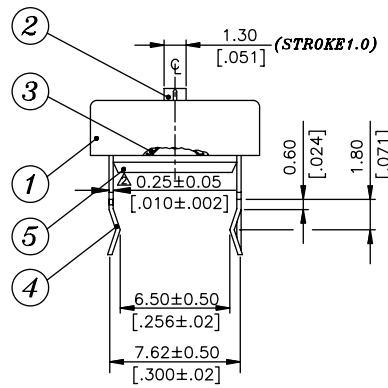
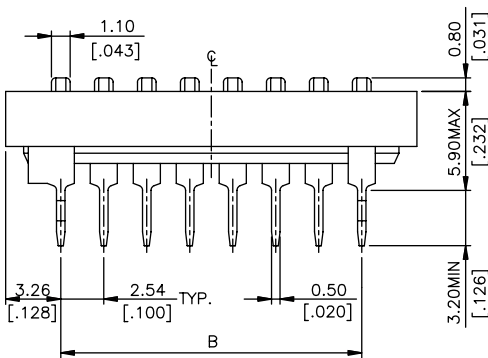
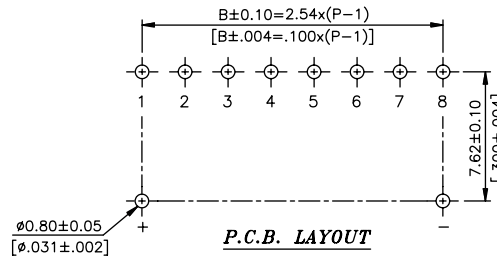
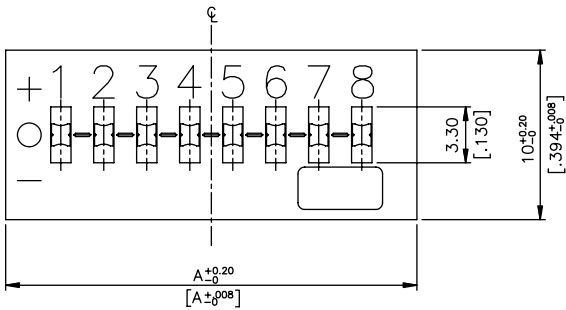
### ELECTRICAL

- Electrical Life: 2000 operations cycles per switch  
24VDC, 25mA
- Switching Rating: 25mA, 24VDC
- Non-Switching Rating: 100mA, 50VDC
- Contact Resistance: (a) 50mΩ max. at initial  
(b) 100mΩ max after life test
- Insulation Resistance: 100MΩ. at 500VDC
- Dielectric Strength: 500VAC/1 minute.
- Capacitance: 5pF Max.
- Circuit: 3 switching positions

## Packaging:

Part Number	No. Positions	Quantity per Tube
S3DS-04	04	33
S3DS-08	08	19
S3DS-09	09	17
S3DS-10	10	16

### S3DS



Prod. No.	No. Of Pos.	Dim. A	Dim. B
S3DS-10	10	29.38[1.157]	22.86[.900]
S3DS-09	9	26.84[1.057]	20.32[.800]
S3DS-08	8	24.30[.957]	17.78[.700]
S3DS-04	4	14.14[.557]	7.62[.300]

### HOW TO ORDER:

S3DS - □□ - □ - □

Package Style:

B = Tube

Soldering:

R = Lead Free Solderable

Number Of Positions:

04 = 4 Positions

08 = 8 Positions

09 = 9 Positions

10 = 10 positions

Tri-State Type Dip Switch

### Soldering Process

▲ Keep all switch contacts in their "on" position for all operations

▲ Hand Soldering : Use a soldering iron of 30 watts, controlled at 350°C approx. 5 seconds while applying solder.

▲ Wave Soldering: Recommended solder temperature at 500°F(260°C) max. 5 seconds