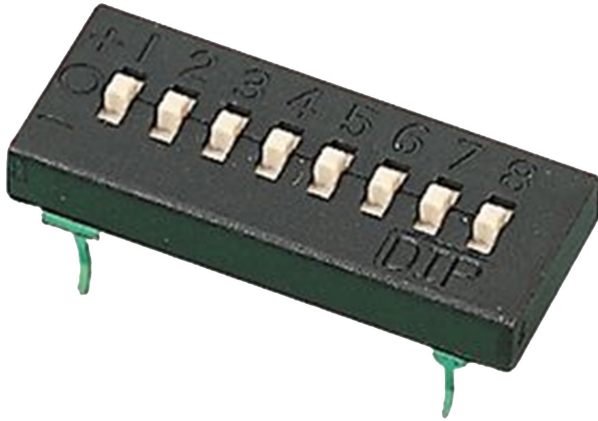


# Tri-State DIL Switch



RoHS  
Compliant



## Specification:

### Mechanical

Mechanical Life	: 2,000 Operations Cycles
Operation Force	: 1,000gf Max.
Stroke	: 1mm
Operation Temp	: -20°C to +70°C
Storage Temp	: -40°C to +85°C

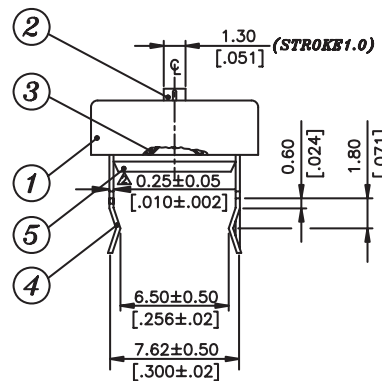
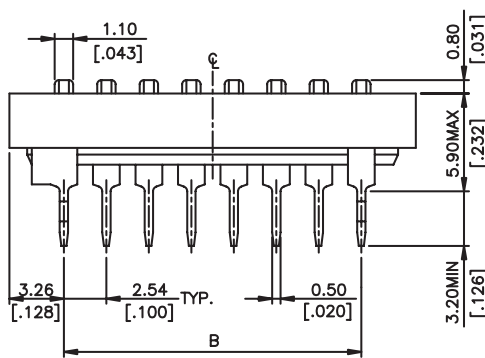
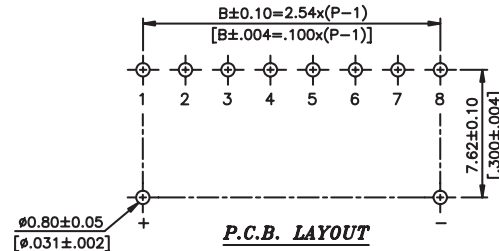
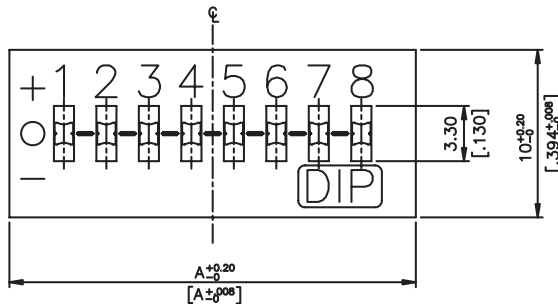
### Material

Base & Cover	: PBT High Thermoplastic; Colour : Black
Actuators	: Nylon Thermoplastic; Colour : White
Contact	: Alloy Copper with Gold Plated
Terminal	: Brass with Tin Plated
Contact Plating	: Gold Plating over Nickel

### Electrical

Electrical Life	: 2,000 cycles
Non-Switching Rating	: 100mA, 50V DC
Switching Rating	: 25mA, 24V DC
Contact Resistance	: (a) 50mΩ Max. at initial (b) 100mΩ Max. after life test
Insulation Resistance	: 100MΩ min. at 500V DC
Dielectric Strength	: 500V AC/1 minute
Circuit	: 3 switching positions

# Tri-State DIL Switch



*TDS-08	8	24.30[.957]	17.78[.700]
PROD. NO.	NO. OF POS.	DIM. A	DIM. B

General Tolerance :  $\pm 0.2\text{mm}$

Dimensions : Millimetres (Inches)

## Soldering Process:

- Keep all switch contacts in their "O" position for all operations
- **Wave Soldering** : Recommended solder temperature at 500°F (260°C) Max. 5 seconds
- **Hand Soldering** : Use a soldering iron of 30 watts, controlled at 350°C approximately 5 seconds while applying solder

## Part Number Table

Description	Part Number
Switch, DIL, TRI-State, 8 Way	MCTDS-08

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