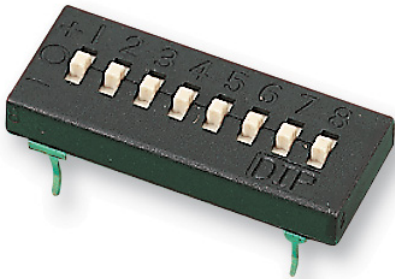
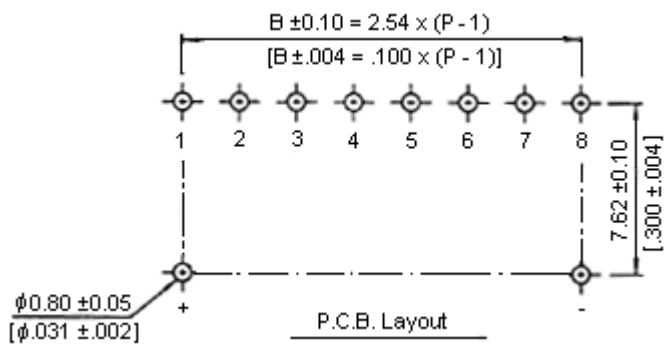
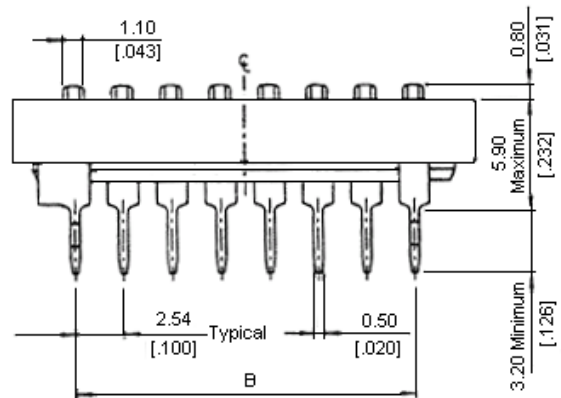
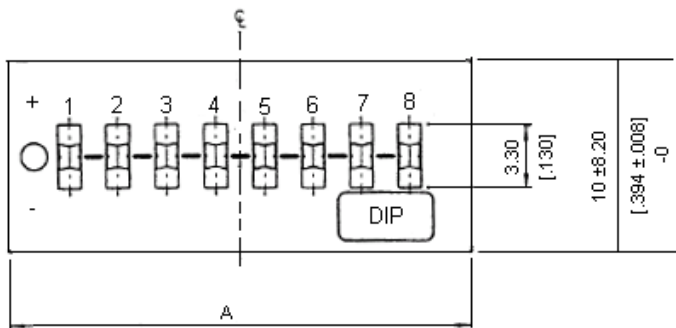


# MCTDS-08

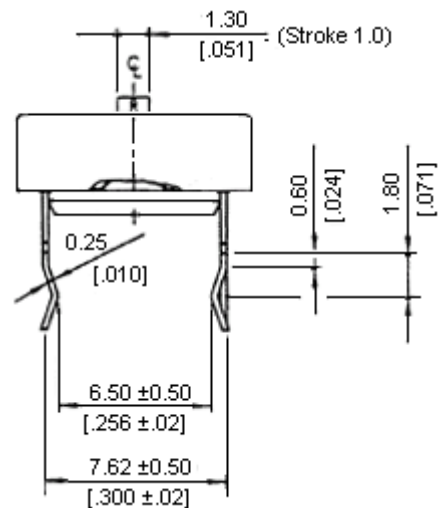
## Tri State DIL Switches



### Dimensions

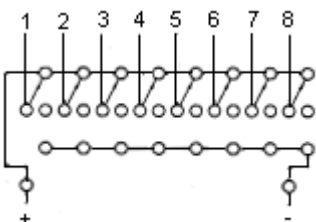


### Terminal Type



Dimensions: Millimetres (Inches)

### Circuit Diagram



## Tri State DIL Switches

### Specification:

#### Mechanical:

Mechanical Life	: 2000 operations cycles per switch.
Operation Force	: 1000gf maximum.
Stroke	: 1.0mm.
Operation Temperature	: -20°C to +70°C.
Storage Temperature	: -40°C to +85°C.
Vibration Test	: MIL-STD-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), 11m seconds. Direction and Times : 6 sides and 3 times in each direction. High reliability

#### Electrical:

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

### Soldering and Cleaning Process

#### For best results, please follow these recommendation:

Keep all switch contacts in their "O" position for all operations.

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

Hand Soldering : Use a soldering iron of 30 watts, controlled at 608°F (320°C) approximately 2 seconds while applying solder.

None cleaning Process.

# MCTDS-08

## Tri State DIL Switches



### Contact System of TDS Series:

Setting (+, 0, -) function : 3<sup>n</sup> codes.

Double contacts.

Low contact resistance.

High reliability.

Self-clean on contact area.

### Materials:

Base and Cover : PBT High Thermoplastic

Colour : Black.

Actuators : Nylon Thermoplastic.

Colour : White.

Contact : Alloy Copper.

Terminal : Brass.

Contact Plating : Gold plating over nickel.

Terminal Plating : Tin/Lead solder plating.

### Specifications:

Number of Position	Dimension A	Dimension B	Part Number
8	24.30 (0.957)	17.78 (0.700)	MCTDS-08

Dimensions : Millimetres (Inches)

### Part Number Explanation:

MC

Type

TDS

Tri-State Type Dip Switch

-08

Number of Ways

**Number of Ways** : 08 = 8 Ways.

### Notes:

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