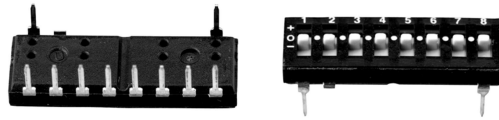


DTD • DTA • DTS SERIES

SLIDE TRI-STATE "IC" TYPE



◆ Features

- With three states (1, open, 0) setting function, especially suitable for encoding/decoding of tri-state encoder/decoder integrated circuit to obtain more security codes than traditional two-state (1,0) operation. For instance, 9 bits with tri-state gets 19,683 (3) codes while two-state gets 512 (2) codes, gains 38 times in former!
- Bottom sealed standard to insure free of flux immersion during wave soldering.
- All materials are UL 94V-0 grade fire retardant plastics.
- Gold plated contact to ensure low contact resistance and tin plated terminal to prevent contamination during soldering (**tin/gold**).
- Twin contact designed to ensure stable contact.
- Ideal for coding of tele-communication, transceiving, remote control and burglar alarm systems which use integrated circuits with tri-state coding system.

◆ Specifications

1. ELECTRICAL

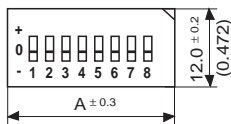
- 1-1 Contact Rating
- switching : 25 mA, 24 VDC
 - non-switching : 100 mA
- 1-2 Contact Resistance
- initial : 50 mΩ max.
 - after life test : 100 mΩ max.
- 1-3 Insulation Resistance : 1000 MΩ min. at 100 VDC
- 1-4 Dielectric Strength : 500 VDC for 1 min.
- 1-5 Capacitance between adjacent switches : 5pF max.

2. MECHANICAL and ENVIRONMENTAL

- 2-1 Temperature rating
- operating : -25°C to +70°C
 - storage : -40°C to +85°C
- 2-2 Operating force : 800 g max.
- 2-3 Mechanical life : 2000 operations
- 2-4 Humidity : 95% RH, 40°C for 96 hours
- 2-5 Vibration : Per MIL-STD-202F, method 204D
- 2-6 Solderability : 95% coverage after 230°C +/- 5 for 5 sec.
- 2-7 Soldering temperature
- through hole wave soldering : 260°C max. for 5 seconds
 - SMT reflow soldering : 210°C for 20 sec., 230°C peak for 3 sec.

◆ Dimensions and circuitry

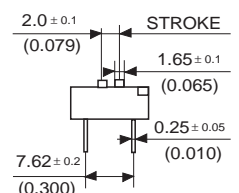
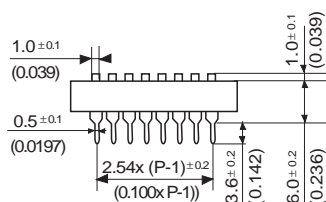
DTD



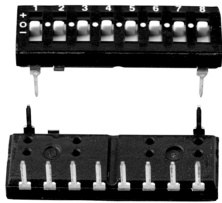
DIMENSION A

Position	4	5	7	8	9	10
A	15.30 (0.602)	17.84 (0.702)	22.92 (1.002)	25.46 (0.602)	28.00 (1.102)	30.54 (1.102)

Unit: mm (inch)



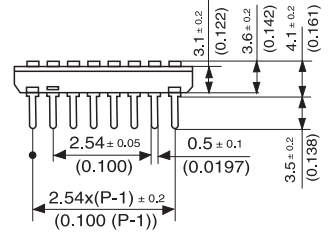
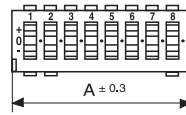
DTA



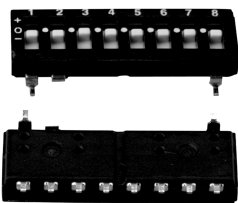
DIMENSION A

Positions	7	8	9	10
A	19.38 (0.703)	21.92 (0.863)	24.46 (0.963)	27.00 (1.063)

Unit: mm (inch)



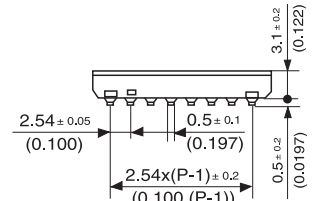
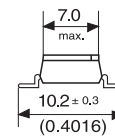
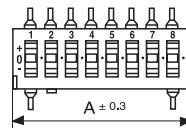
DTS



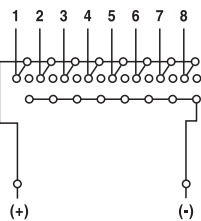
DIMENSION A

Positions	7	8	9	10
A	19.38 (0.703)	21.92 (0.863)	24.46 (0.963)	27.00 (1.063)

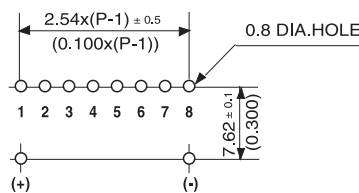
Unit: mm (inch)



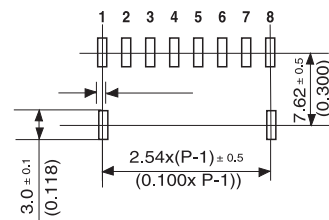
◆ Circuit diagram



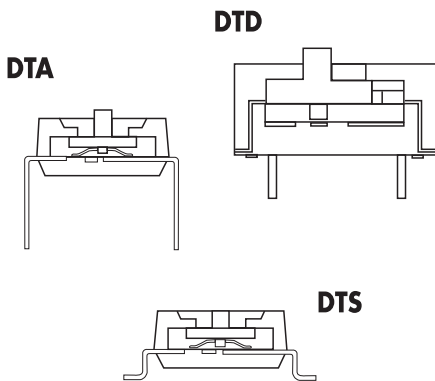
◆ P.C.B Pattern (DTD/DTA)



◆ P.C.B Pattern (DTS)

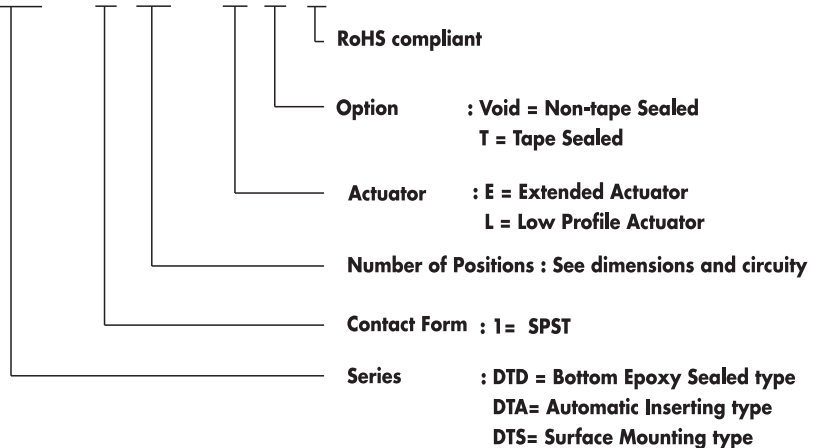


◆ Construction



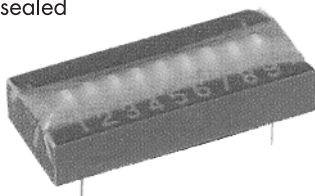
◆ Part Numbering System

DTD - 1 08 - E X Z



◆ Options

1. Tape sealed



2. Reverse P.C.B. layout available

