ALCOSWITCH

DIP Switch TDS Series

TE Connectivity's (TE) ALCOSWITCH DIP switch TDS series is designed for unique coding and streamlined manufacturing with full surface mount products. The tri-state configuration of each position allows for more advanced address setting on the DIP switch, thus providing more security in the application. The TDS series is available in both raised and recessed actuator versions. Parts are also available in both tube and tape & reel packaging, and are available with a top tape seal.



Applications

- Industrial and Automated Control Boards
- Fire and Security Systems
- Thermostats
- Home Automation
- Telecommunication Devices

Electrical

Current Voltage Rating
Non switching 100 mA @ 50 VDC
Switching 25 mA @ 24 VDC

• Contact resistance 100 m Ω max

Dielectric strength
Capacitance
500 VAC for 1 minute
5 pF max @ 1 MHz

Mechanical

Actuator force 1,000 gf max
Actuator travel 0.8mm
Life cycle 2,000 cycles
Operating temperature -20° C to +85° C
Storage temperature -40° C to +85° C

Materials

• Base/Cover: High temperature Nylon (UL94-VO)

• Contact: Cu alloy, Au over nickel plated

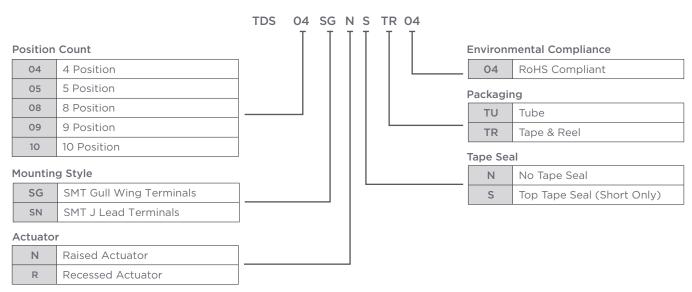
Terminal: Brass, Au platedActuator: LCP (UL94 V-O)

Benefits

- Tri-state positioning for unique coding configurations that provide added security
- Raised or recessed actuators for design flexibility
- Gold contact plating for high reliability and corrosion resistance
- Tape and reel packaging with top tape seal available for quick pick-and-place assembly



Product Key

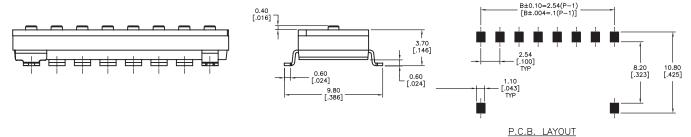


Product Selection Information

Part Number	Description	Position	Actuator Type	Sealing	Packaging
2319747-1	TDS04SGNNTU04	4	Raised	No Tape Seal	Tube
<u>1-2319747-6</u>	TDS04SGNNTR04	4	Raised	No Tape Seal	Tape & Reel
1-2319747-8	TDS08SGNNTR04	8	Raised	No Tape Seal	Tape & Reel
2319747-4	TDS09SGNNTU04	9	Raised	No Tape Seal	Tube
<u>2319747-7</u>	TDS05SGRSTR04	5	Recessed	Top Tape Seal	Tape & Reel
2-2319747-7	TDS07SGRSTR04	5	Recessed	Top Tape Seal	Tape & Reel
2-2319747-8	TDS08SGRSTU04	8	Recessed	Top Tape Seal	Tape & Reel
<u>2-2319747-9</u>	TDS09SGRSTR04	9	Recessed	Top Tape Seal	Tape & Reel
1-2319747-5	TDS10SGRSTU04	10	Recessed	Top Tape Seal	Tube
3-2319747-0	TDS10SGRSTR04	10	Recessed	Top Tape Seal	Tape & Reel

Dimensions





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