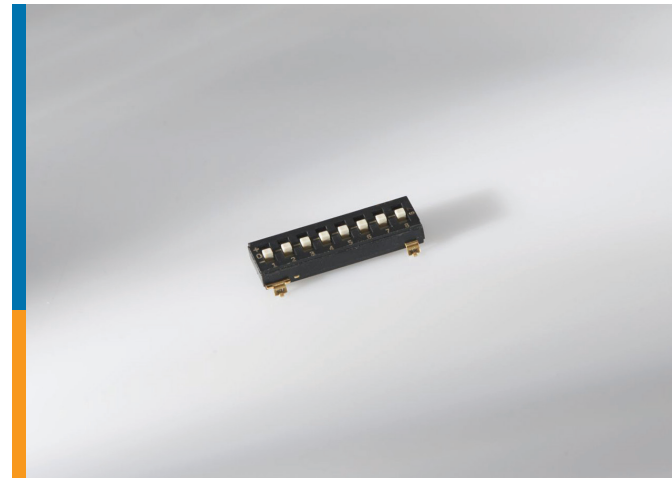


# ALCOSWITCH

## 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 mΩ max
- Dielectric strength 500 VAC for 1 minute
- Capacitance 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

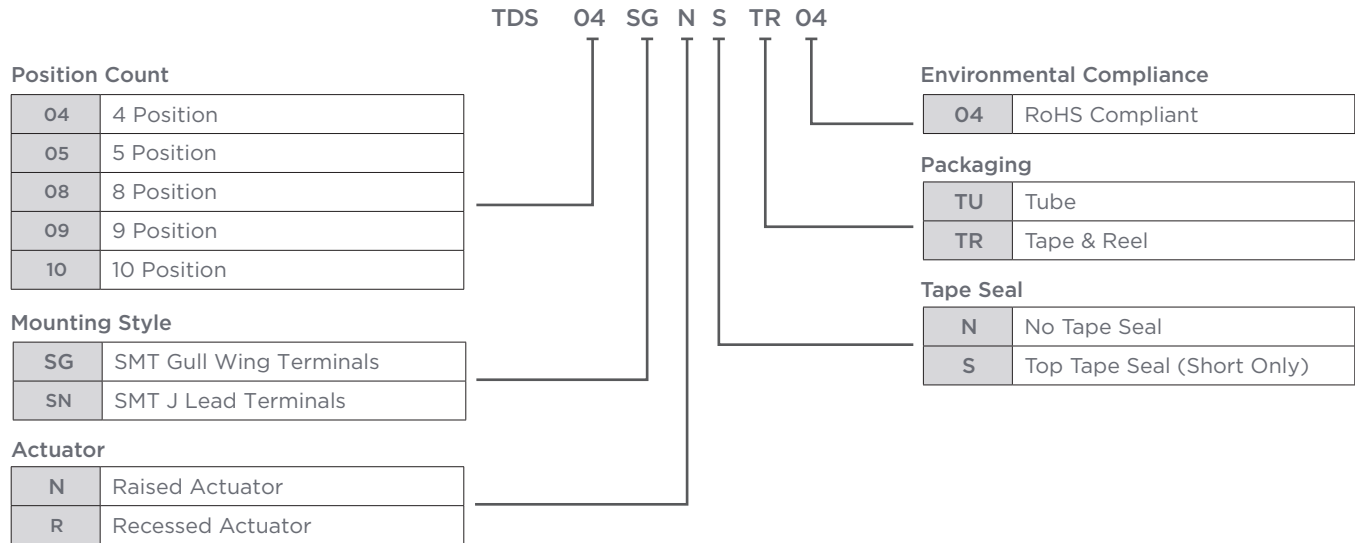
- Base/Cover: High temperature Nylon (UL94-VO)
- Contact: Cu alloy, Au over nickel plated
- Terminal: Brass, Au plated
- Actuator: LCP (UL94 V-O)

### 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

# ALCOSWITCH DIP SWITCH TDS SERIES

## Product Key

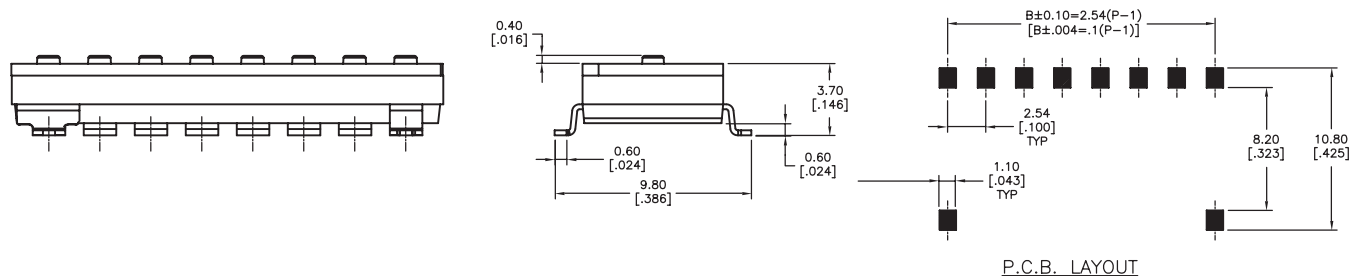


## Product Selection Information

Part Number	Description	Position	Actuator Type	Sealing	Packaging
<a href="#">2319747-1</a>	TDS04SGNNTU04	4	Raised	No Tape Seal	Tube
<a href="#">1-2319747-6</a>	TDS04SGNNTRO4	4	Raised	No Tape Seal	Tape & Reel
<a href="#">1-2319747-8</a>	TDS08SGNNTRO4	8	Raised	No Tape Seal	Tape & Reel
<a href="#">2319747-4</a>	TDS09SGNNTU04	9	Raised	No Tape Seal	Tube
<a href="#">2319747-7</a>	TDS05SGRSTRO4	5	Recessed	Top Tape Seal	Tape & Reel
<a href="#">2-2319747-7</a>	TDS07SGRSTRO4	5	Recessed	Top Tape Seal	Tape & Reel
<a href="#">2-2319747-8</a>	TDS08SGRSTU04	8	Recessed	Top Tape Seal	Tape & Reel
<a href="#">2-2319747-9</a>	TDS09SGRSTRO4	9	Recessed	Top Tape Seal	Tape & Reel
<a href="#">1-2319747-5</a>	TDS10SGRSTU04	10	Recessed	Top Tape Seal	Tube
<a href="#">3-2319747-0</a>	TDS10SGRSTRO4	10	Recessed	Top Tape Seal	Tape & Reel

## Dimensions

Part Number 2319747



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