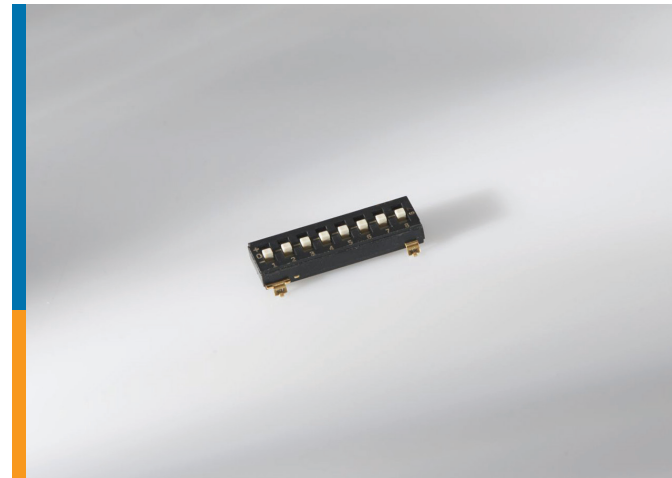


# ALCOSWITCH

## 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

Position Count

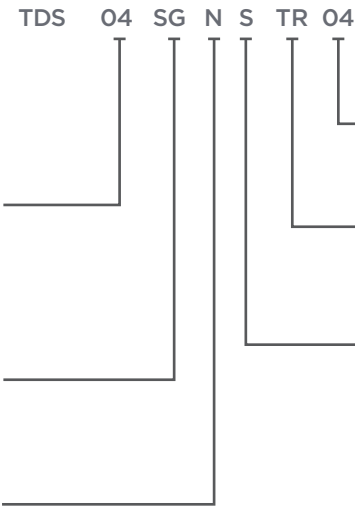
|    |             |
|----|-------------|
| 04 | 4 Position  |
| 05 | 5 Position  |
| 08 | 8 Position  |
| 09 | 9 Position  |
| 10 | 10 Position |

Mounting Style

|    |                         |
|----|-------------------------|
| SG | SMT Gull Wing Terminals |
| SN | SMT J Lead Terminals    |

Actuator

|   |                   |
|---|-------------------|
| N | Raised Actuator   |
| R | Recessed Actuator |



Environmental Compliance

|    |                |
|----|----------------|
| 04 | RoHS Compliant |
|----|----------------|

Packaging

|    |             |
|----|-------------|
| TU | Tube        |
| TR | Tape & Reel |

Tape Seal

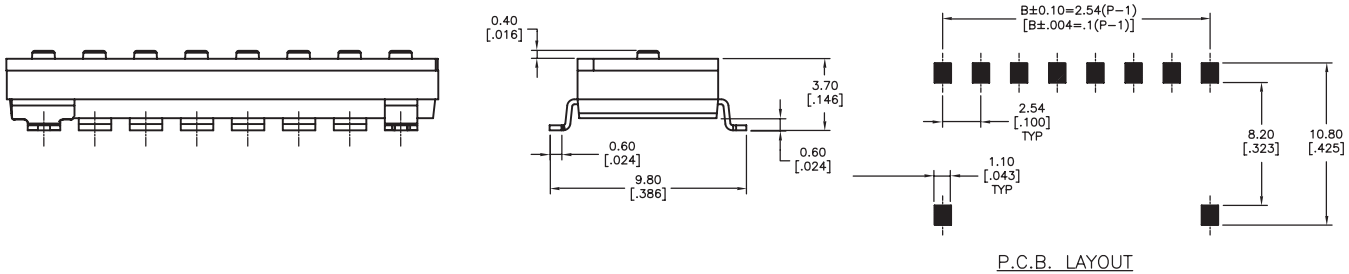
|   |                            |
|---|----------------------------|
| N | No Tape Seal               |
| S | Top Tape Seal (Short Only) |

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>   | TDS05SGRSTR04 | 5        | Recessed      | Top Tape Seal | Tape & Reel |
| <a href="#">2-2319747-7</a> | TDS07SGRSTR04 | 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> | TDS09SGRSTR04 | 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> | TDS10SGRSTR04 | 10       | Recessed      | Top Tape Seal | Tape & Reel |

Dimensions

Part Number 2319747



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USA: +1 (800) 522-6752  
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Mexico: +52 (0) 55-1106-0800  
Latin/S. America: +54 (0) 11-4733-2200  
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