

ALCOSWITCH

DIP Switch

EDS, EDSP Series

TE Connectivity's (TE) ALCOSWITCH DIP switch EDS and EDSP series are designed for space-saving and streamlined manufacturing with full surface mount products. The EDS and EDSP series are available in standard raised actuators and recessed actuators, both flush and extended versions. The end-stackable design saves space on the PCB and allows for large position counts without sacrificing centerline spacing. Parts are 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
- Elevator/Escalator
- Telecommunication Devices

Electrical

- Current/Voltage rating: 25 mA @ 24 VDC
- Contact resistance: 100 MΩ max
- Dielectric strength: 500 VAC for 1 minute

Mechanical

- Actuator force: 1,000 gf max
- Actuator travel: 1 mm
- Life cycles: 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

- End stackable feature allows for PCB space saving and maintaining a consistent centerline.
- Raised or recessed actuators for design flexibility
- Piano-style actuators for edge of PCB mounting of switch
- Surface Mounted (Gull-wing and J-Lead) options available
- Configurable contact for Push Up or Push Down ON position
- 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

Position Count

| | |
|----|-------------|
| 01 | 1 Position |
| 02 | 2 Position |
| 03 | 3 Position |
| 04 | 4 Position |
| 05 | 5 Position |
| 06 | 6 Position |
| 07 | 7 Position |
| 08 | 8 Position |
| 09 | 9 Position |
| 10 | 10 Position |
| 12 | 12 Position |

Mounting Style

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



Environmental Compliance

| | |
|-----|--------------------|
| 04Q | RoHS, Halogen Free |
|-----|--------------------|

Packaging

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

Tape Seal

| | |
|---|---------------|
| N | No Tape Seal |
| S | Top Tape Seal |

Actuator

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

Product Selection Information

| Part Number | Description | Position | Mounting Style | Actuator Type | Sealing | Packaging |
|-----------------------------|----------------|----------|----------------|---------------|---------------|-------------|
| 2-2319847-2 | EDS01SGNNTR04Q | 1 | SMT Gull Wing | Raised | No Tape Seal | Tape & Reel |
| 2319847-4 | EDS04SGNNTU04Q | 4 | SMT Gull Wing | Raised | No Tape Seal | Tube |
| 2-2319847-8 | EDS07SGNNTR04Q | 7 | SMT Gull Wing | Raised | No Tape Seal | Tape & Reel |
| 2319847-8 | EDS08SGNNTU04Q | 8 | SMT Gull Wing | Raised | No Tape Seal | Tube |
| 3-2319847-1 | EDS10SGNNTR04Q | 10 | SMT Gull Wing | Raised | No Tape Seal | Tape & Reel |
| 2319848-2 | EDS02SGRNTU04Q | 2 | SMT Gull Wing | Recessed | No Tape Seal | Tube |
| 4-2319848-5 | EDS03SGRNTR04Q | 3 | SMT Gull Wing | Recessed | No Tape Seal | Tape & Reel |
| 6-2319848-8 | EDS05SGRSTR04Q | 5 | SMT Gull Wing | Recessed | Top Tape Seal | Tape & Reel |
| 2-2319848-7 | EDS06SGRSTU04Q | 6 | SMT Gull Wing | Recessed | Top Tape Seal | Tube |
| 8-2319848-2 | EDS09SNRSTR04Q | 9 | SMT J Lead | Recessed | Top Tape Seal | Tape & Reel |
| 5-2319848-3 | EDS12SGRNTR04Q | 12 | SMT Gull Wing | Recessed | No Tape Seal | Tape & Reel |

Dimensions

Part Number 2319847



Product Key

| | | | | | | | | | | | |
|-----------------------|-------------------------|------|----|----|---|---|---|----|------------------------|---------------------------------|--|
| Position Count | | EDSP | 04 | SG | L | F | S | TR | 04 | Environmental Compliance | |
| 02 | 2 Position | | | | | | | | 04Q | RoHS Compliant | |
| 04 | 4 Position | | | | | | | | Packaging | | |
| 06 | 6 Position | | | | | | | | TU | Tube | |
| 08 | 8 Position | | | | | | | | TR | Tape & Reel | |
| 10 | 10 Position | | | | | | | | Tape Seal | | |
| Mounting Style | | | | | | | | | N | No Tape Seal | |
| SG | SMT Gull Wing Terminals | | | | | | | | S | Top Tape Seal (Short Only) | |
| SN | SMT J Lead Terminals | | | | | | | | On/Off Position | | |
| Actuator | | | | | | | | | N | Push Down On | |
| L | Long Actuator | | | | | | | | F | Push Down Off | |
| R | Short Actuator | | | | | | | | | | |

Product Selection Information

| Part Number | Description | Position | Actuator Type | ON/OFF Position | Sealing | Packaging |
|-----------------------------|-----------------|----------|---------------|-----------------|---------------|-------------|
| 2319764-1 | EDSP02SGLNNTU04 | 2 | Long | Push Down ON | No Tape Seal | Tube |
| 2319764-2 | EDSP04SGLNNTU04 | 4 | Long | Push Down ON | No Tape Seal | Tube |
| 2319764-3 | EDSP06SGLNNTU04 | 6 | Long | Push Down ON | No Tape Seal | Tube |
| 2319764-4 | EDSP08SGLNNTU04 | 8 | Long | Push Down ON | No Tape Seal | Tube |
| 2319764-5 | EDSP10SGLNNTU04 | 10 | Long | Push Down ON | No Tape Seal | Tube |
| 5-2319764-6 | EDSP02SGRFSTR04 | 2 | Short | Push Down OFF | Top Tape Seal | Tape & Reel |
| 5-2319764-7 | EDSP04SGRFSTR04 | 4 | Short | Push Down OFF | Top Tape Seal | Tape & Reel |
| 5-2319764-8 | EDSP06SGRFSTR04 | 6 | Short | Push Down OFF | Top Tape Seal | Tape & Reel |
| 5-2319764-9 | EDSP08SGRFSTR04 | 8 | Short | Push Down OFF | Top Tape Seal | Tape & Reel |
| 6-2319764-0 | EDSP10SGRFSTR04 | 10 | Short | Push Down OFF | Top Tape Seal | Tape & Reel |

Dimensions

Part Number 2319764



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