

# 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    |

EDS 04 SG F S TR 04

Environmental Compliance

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

Packaging

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

Tape Seal

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

Actuator

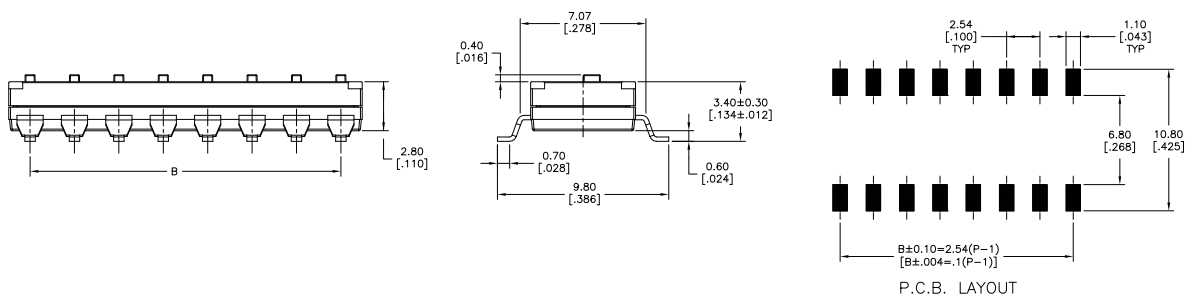
|   |                   |
|---|-------------------|
| N | Raised Actuator   |
| R | Recessed Actuator |

Product Selection Information

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

Dimensions

Part Number 2319847



Product Key



Product Selection Information

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

Dimensions

Part Number 2319764



te.com

©2017 TE Connectivity. All Rights Reserved. TE, ALCOSWITCH, TE Connectivity, and the TE connectivity (logo) are trademarks of the TE Connectivity Ltd. family of companies. Other logos, product and Company names mentioned herein may be trademarks of their respective owners.

While TE has made every reasonable effort to ensure the accuracy of the information in this brochure, TE does not guarantee that it is error-free, nor does TE make any other representation, warranty or guarantee that the information is accurate, correct, reliable or current. TE reserves the right to make any adjustments to the information contained herein at any time without notice. TE expressly disclaims all implied warranties regarding the information contained herein, including, but not limited to, any implied warranties of merchantability or fitness for a particular purpose. The dimensions in this catalog are for reference purposes only and are subject to change without notice. Specifications are subject to change without notice. Consult TE for the latest dimensions and design specifications.

1-1773931-7 BH 08/2017

USA: +1 (800) 522-6752  
 Canada: +1 (905) 475-6222  
 Mexico: +52 (0) 55-1106-0800  
 Latin/S. America: +54 (0) 11-4733-2200  
 Germany: +49 (0) 6251-133-1999  
 UK: +44 (0) 800-267666  
 France: +33 (0) 1-3420-8686  
 The Netherlands: +31 (0) 73-6246-999  
 China: +86 (0) 400-820-6015



Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



#### Как с нами связаться

**Телефон:** 8 (812) 309 58 32 (многоканальный)

**Факс:** 8 (812) 320-02-42

**Электронная почта:** [org@eplast1.ru](mailto:org@eplast1.ru)

**Адрес:** 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.