

# 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 M $\Omega$  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
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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

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



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