



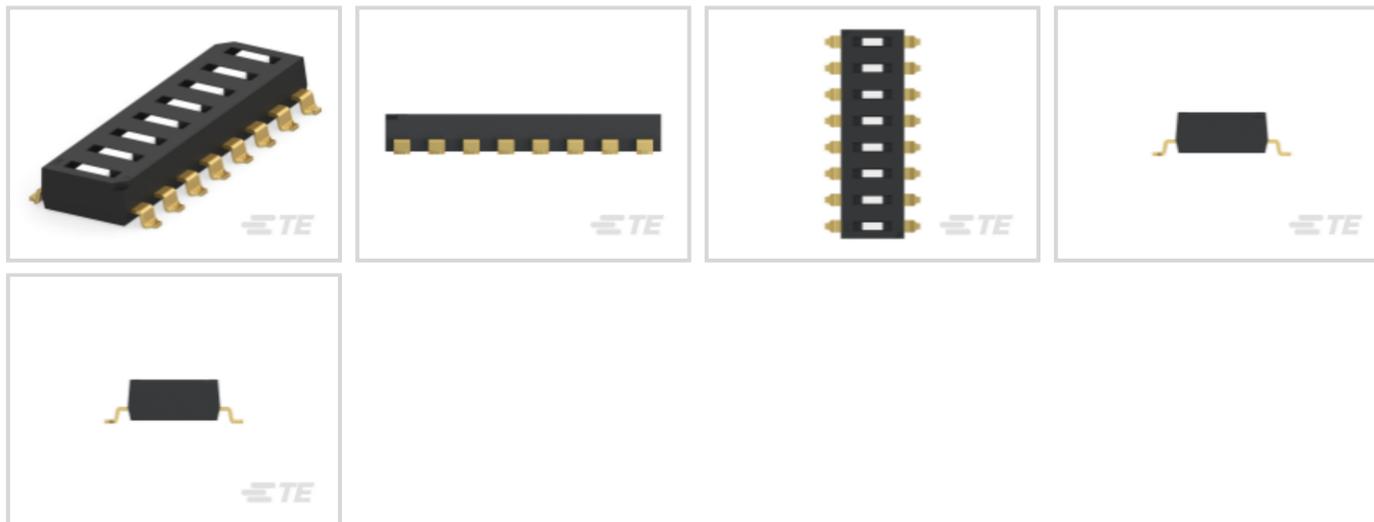
Alcoswitch | Alcoswitch DIP, Alcoswitch DIP GDS

TE Internal #: 1-1825006-5

DIP & SIP Switches, Switch, Gold, Black Housing, Polyphenylene Sulfide (PPS), Auto-Insertable, Sealed, 8 Switch, -30 – 85 °C, DIP, Alcoswitch DIP

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Relays, Contactors & Switches > Switches > DIP & SIP Switches



DIP & SIP Switch Product Type: **Switch**

DIP & SIP Switch Contact Mating Area Plating Material: **Gold**

DIP & SIP Switch Housing Color: **Black**

DIP & SIP Switch Housing Material: **Polyphenylene Sulfide (PPS)**

Auto-Insertable: **Yes**

## Features

### Product Type Features

|                               |        |
|-------------------------------|--------|
| DIP & SIP Switch Product Type | Switch |
| Sealed DIP & SIP Switch       | Yes    |
| DIP & SIP Switch Type         | DIP    |
| Actuator Style                | Slide  |

### Configuration Features

|                            |                            |
|----------------------------|----------------------------|
| Number of Positions        | 8                          |
| Number of Switches         | 8                          |
| Configuration (Pole-Throw) | Single Pole - Single Throw |

### Electrical Characteristics

|                                 |        |
|---------------------------------|--------|
| DIP & SIP Switch Voltage Rating | 50 VDC |
|---------------------------------|--------|

### Body Features

|                |       |
|----------------|-------|
| Seal Type      | Tape  |
| Actuator Color | White |



### Contact Features

|   |                  |
|---|------------------|
| Solder Tail Contact Plating                           | Gold over Nickel |
|   | 10 µin           |
| DIP & SIP Switch Contact Mating Area Plating Material | Gold             |
| Auto-Insertable                                       | Yes              |
| DIP & SIP Switch Contact Current Rating               | .1 A             |
| Contact Base Material                                 | Copper Alloy     |

### Termination Features

|                         |                 |
|-------------------------|-----------------|
| Termination Style       | Outside L       |
| Termination Post Length | 4.3 mm[.169 in] |

### Mechanical Attachment

|                                |               |
|--------------------------------|---------------|
| Mounting Angle                 | Vertical      |
| DIP & SIP Switch Mounting Type | Surface Mount |

### Housing Features

|                                   |                             |
|-----------------------------------|-----------------------------|
| Low Profile                       | Yes                         |
| DIP & SIP Switch Housing Color    | Black                       |
| DIP & SIP Switch Housing Material | Polyphenylene Sulfide (PPS) |
| DIP & SIP Switch Centerline       | 2.54 mm[.1 in]              |

### Dimensions

|        |                   |
|--------|-------------------|
| Height | 2.7 mm[.106 in]   |
| Length | 20.17 mm[.794 in] |

### Usage Conditions

|                             |             |
|-----------------------------|-------------|
| Operating Temperature Range | -30 – 85 °C |
|-----------------------------|-------------|

### Industry Standards

|                        |          |
|------------------------|----------|
| UL Flammability Rating | UL 94V-0 |
|------------------------|----------|

### Packaging Features

|                    |      |
|--------------------|------|
| Packaging Method   | Tube |
| Packaging Quantity | 20   |

### Product Compliance

For compliance documentation, visit the product page on [TE.com](https://www.te.com)>

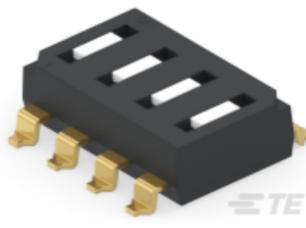
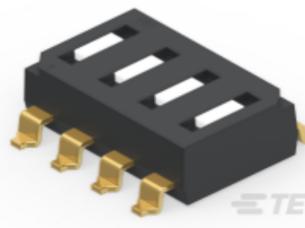
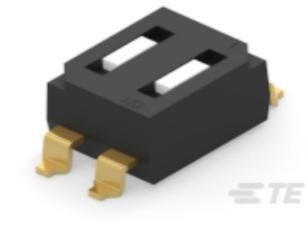
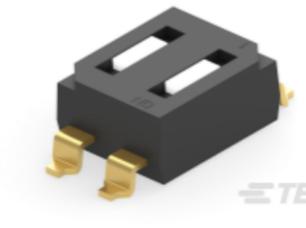
|                              |           |
|------------------------------|-----------|
| EU RoHS Directive 2011/65/EU | Compliant |
|------------------------------|-----------|

|   |   |
|---|---|
| EU ELV Directive 2000/53/EC                   | Compliant   |
| China RoHS 2 Directive MIIT Order No 32, 2016 | No Restricted Materials Above Threshold   |
| EU REACH Regulation (EC) No. 1907/2006        | Current ECHA Candidate List: JUNE 2022 (224)<br>Candidate List Declared Against: JUNE 2022 (224)<br>Does not contain REACH SVHC |
| Halogen Content                               | Not Low Halogen - contains Br or Cl > 900 ppm.  |
| Solder Process Capability                     | Reflow solder capable to 260°C  |

Product Compliance Disclaimer

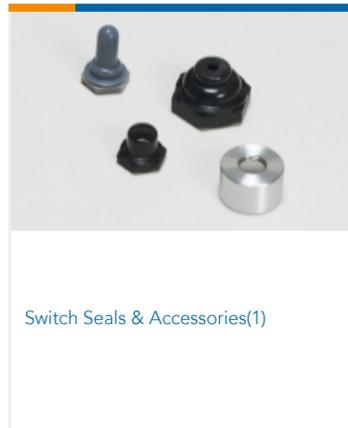
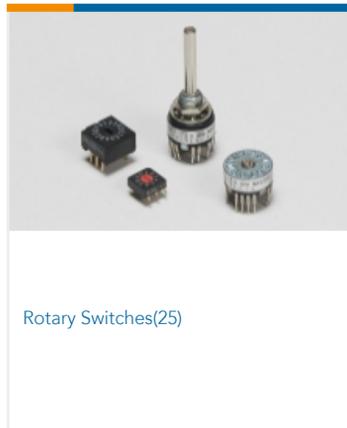
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulation, the information TE provides on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) 'Guidance on requirements for substances in articles' posted at this URL: <https://echa.europa.eu/guidance-documents/guidance-on-reach>

## Compatible Parts

|   |   |   |   |
|---|---|---|---|
|  <p>TE Part # 1825006-8<br/>GDS04STR04=DIP SW,SLIDE,SMT,TR</p> |  <p>TE Part # 1825006-7<br/>GDS04S04=DIP SW,SLIDE,SMT</p>      |  <p>TE Part # 1-1825006-1<br/>GDS06S04=DIP SW,SLIDE,SMT</p>      |  <p>TE Part # 1-1825006-3<br/>GDS0804=DIP SW,SLIDE,THRU/HL</p> |
|  <p>TE Part # 1825006-3<br/>GDS02S04=DIP SW,SLIDE,SMT</p>      |  <p>TE Part # 1-1825006-7<br/>GDS1004=DIP SW,SLIDE,THRU/HL</p> |  <p>TE Part # 1-1825006-2<br/>GDS06STR04=DIP SW,SLIDE,SMT,TR</p> |  <p>TE Part # 1825006-4<br/>GDS02STR04=DIP SW,SLIDE,SMT,TR</p> |



Also in the Series | **Alcoswitch DIP**



Also in the Series | **Alcoswitch DIP GDS**



**Documents**

**Product Drawings**

GDS08S04=DIP SW,SLIDE,SMT

English

**CAD Files**

Customer View Model



[ENG\\_CVM\\_CVM\\_1-1825006-5\\_O.2d\\_dxf.zip](#)

English

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_1-1825006-5\\_O.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1-1825006-5\\_O.3d\\_stp.zip](#)

English

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### Datasheets & Catalog Pages

[SWITCHES\\_CORE\\_PROGRAM\\_CATALOG](#)

English

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### Product Environmental Compliance

[MD\\_1-1825006-5\\_0130201225](#)

English

[MD\\_1-1825006-5\\_0130201225](#)

English