

# GDH10SATR04 ✓ ACTIVE

ALCOSWITCH | ALCOSWITCH DIP GDH, ALCOSWITCH DIP

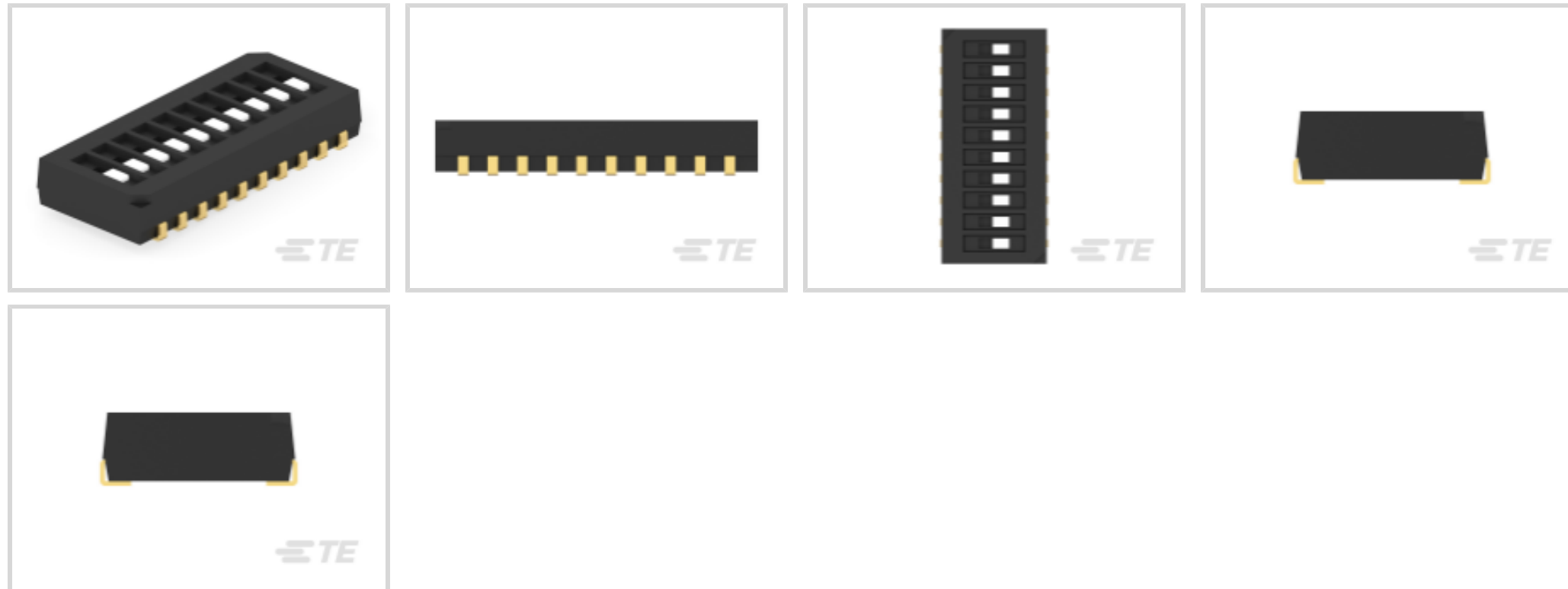
TE Internal #: 1977831-5

DIP Switch, Gold Contact Plating, Black, Polyphenylene Sulfide (PPS), Sealed, 10 Switch, -30 – 85 °C [-22 – 185 °F], Recessed Rocker, ALCOSWITCH DIP

[View on TE.com >](#)



Switches > DIP & SIP Switches



Switch Contact Plating Material: **Gold**

Case Color: **Black**

Case Material: **Polyphenylene Sulfide (PPS)**

Sealed Device: **Yes**

Number of Switches: **10**

## Features

### Product Type Features

Sealed Device	Yes
DIP & SIP Switch Type	DIP
Actuator Style	Recessed Rocker

### Configuration Features

Number of Positions	10
Number of Switches	10
Configuration (Pole-Throw)	Single Pole - Single Throw

### Electrical Characteristics

Contact Current Rating	.1 A
Operating Voltage	50 VDC

### Body Features

Sealing Method	Sealing Tape
Actuator Color	White
Case Color	Black



Case Material	Polyphenylene Sulfide (PPS)
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### Contact Features

Contact Underplating Material	Nickel
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PCB Contact Termination Area Plating Material	Gold
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Switch Contact Plating Material	Gold
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Contact Base Material	Copper Alloy
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### Termination Features

Termination Method to PCB	Surface Mount
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### Housing Features

Low Profile	Yes
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Centerline (Pitch)	1.27 mm[.05 in]
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### Dimensions

Product Length	13.83 mm[.544 in]
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Product Height	2.2 mm[.093 in]
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### Usage Conditions

Operating Temperature Range	-30 – 85 °C[-22 – 185 °F]
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### Industry Standards

UL Flammability Rating	UL 94V-0
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### Packaging Features

Packaging Method	Tape & Reel
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Packaging Quantity	2000
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### Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Compliant
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EU ELV Directive 2000/53/EC	Compliant
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China RoHS 2 Directive MIIT Order No 32, 2016	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
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EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does not contain REACH SVHC
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Halogen Content

BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.

Solder Process Capability

Not reviewed for solder process capability

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 Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles' (Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

### Compatible Parts



TE Part # 1977830-4  
DIP SWITCH GDH08SA04



TE Part # 1-1571983-1  
GDH08STR04=DIP SWITCH



TE Part # 1571983-5  
GDH04STR04=DIP SWITCH

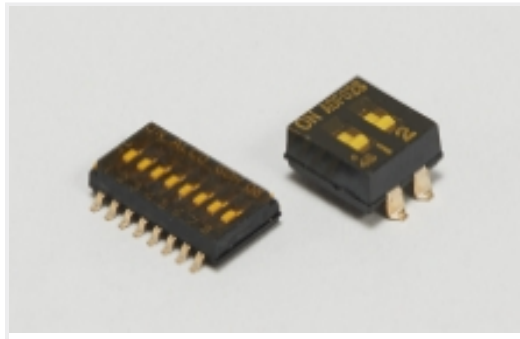


TE Part # 1977830-1  
DIP SWITCH GDH02SA04



TE Part # 1571983-4  
GDH04S04=DIP SWITCH

Also in the Series | [ALCOSWITCH DIP](#)

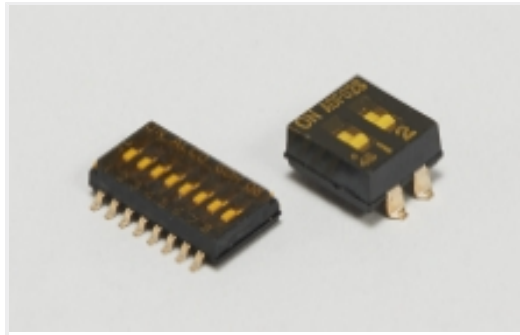


DIP & SIP Switches(22)



Rotary Switches(16)

Also in the Series | **ALCOSWITCH DIP GDH**



DIP & SIP Switches(22)

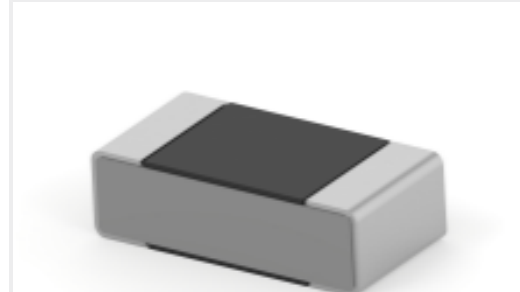
Customers Also Bought



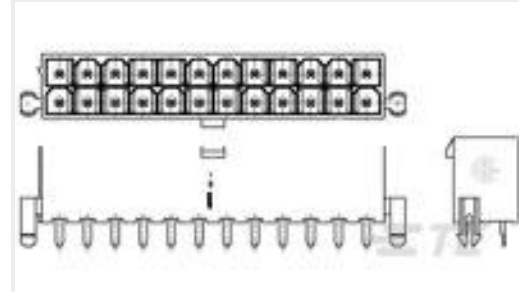
TE Part #1-440052-5  
2.5MM,HDR,15POS,VERTICAL,  
CONNECTOR



TE Part #3-794623-2  
02P MICRO MNL ASSY,R/A,SMT,LF



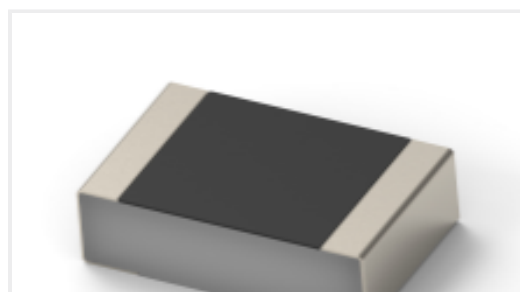
TE Part #9-1879132-5  
RN 0402 21K5 0.1% 10PPM 5K RL



TE Part #2-2029059-0  
20P VAL-U-LOK VRTHDR W/PGS GW



TE Part #2-2176390-8  
RQ 1206 2K21 0.1% 10PPM 5K RL



TE Part #5-2176452-5  
CPF 0201 1K96 0.1% 25ppm 1K RL



TE Part #2-5161500-0  
minimatch 20 pos male



TE Part #2-5161800-0  
20pos.MINI-MATCH FBTB, 2.5mm  
pitch



TE Part #1571839-1  
02 MODII HDR SRST B/A HT LF



TE Part #8-100400-6  
MICRO-MATCH FSID NP



## Documents

### Product Drawings

[DIP SWITCH GDH10SATR04](#)

English

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### CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_1977831-5\\_A.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1977831-5\\_A.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1977831-5\\_A.3d\\_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

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### Datasheets & Catalog Pages

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

English

[SWITCHES\\_CATALOG\\_SECTION\\_A\\_DIP\\_SWITCHES](#)

English