

1977066-1 ✓ ACTIVE

ALCOSWITCH | ALCOSWITCH FSM

TE Internal #: 1977066-1

50 mA Tactile Switch, Round Actuator, NO, Stainless Steel, Silver

Contact Plating, Low Profile, 12 VDC, ALCOSWITCH FSM

[View on TE.com >](#)



Switches > Tactile Switches



Actuator Style: **Round Actuator**

Operating Function: **NO**

Contact Base Material: **Stainless Steel**

Switch Contact Plating Material: **Silver**

Low Profile: **With**

## Features

### Product Type Features

Switch Connection Type	Printed Circuit Board
Illuminated	With
Actuator Style	Round Actuator

### Configuration Features

Switch Feedback Type	Tactile
ESD Grounding Terminal	Without
Ganged	With
Operating Function	NO
Support Bracket	With
Configuration (Pole-Throw)	Single Pole - Single Throw
Number of Actuators	Single

### Electrical Characteristics

Operating Voltage	12 VDC
-------------------	--------

### Body Features



Case Material	PPA
Actuator Profile	Extended
Case Color	Black
Actuator Material	PPA
Actuator Force	160 g[5.64 oz]
Product Orientation	Right Angle
Actuator Color	Ivory

### Contact Features

Contact Base Material	Stainless Steel
Switch Contact Plating Material	Silver
Contact Current Rating	50 mA

### Termination Features

Termination Method to PCB	Surface Mount
---------------------------	---------------

### Housing Features

Low Profile	With
Process Sealed	No

### Dimensions

Button Width	2.1 mm[.079 in]
Product Height	3.4 mm[.134 in]
Actuator Length	.84 mm[.33 in]

### Usage Conditions

Operating Temperature Range	-35 – 85 °C[-31 – 185 °F]
-----------------------------	---------------------------

### Packaging Features

Packaging Method	Package
------------------	---------

### Product Compliance

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

EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Out of Scope
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
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

Halogen Content	Low Halogen - Br, Cl, F < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
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



TE Part # 2-1977223-8  
FSM14JSMAS=6MM TACT SWITCH, SMT 160gf



TE Part # 1825910-6  
FSM4JH=6MM TACT SWITCH, HIGH TEMP



TE Part # 3-1437565-0  
FSM2JSMATR=ON T/R

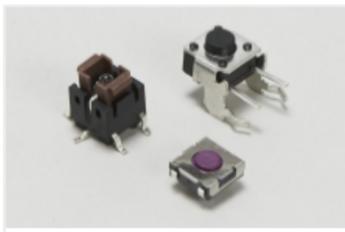


TE Part # 2-1825910-7  
FSM14JH=6MM TACT SWITCH, HIGH TEMP



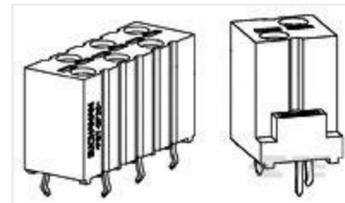
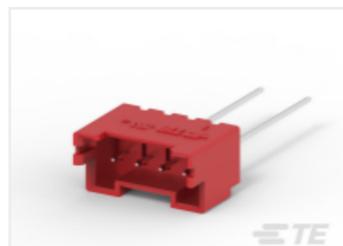
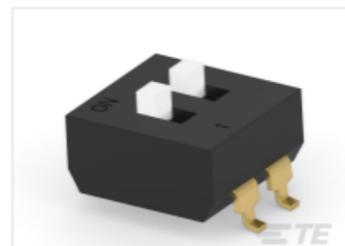
TE Part # 4-1437565-2  
FSM4JSMATR=TACT SWITCH 6X6MIL

Also in the Series | **ALCOSWITCH FSM**



Tactile Switches(58)

## Customers Also Bought

TE Part #HUM-A-900-PRO-CAS  
Module HUM-PRO-A 900MHz FHSS  
FM XCVR FCCTE Part #2-320574-2  
TERMINAL,PIDG R 16-14 10TE Part #1393194-9  
T77S1D10-12TE Part #1811398-1  
ASY,SCRLESS WIRE CONN,VERT,6PTE Part #2176238-3  
CPF A 0805 13R3 0.1% 25PPM 5K RLTE Part #4-2337939-3  
PCIE GEN4 CON,SMT,98POS,15u",  
MYLAR,HTTE Part #1-2299683-4  
EP2.5 HDR 4P VERT W/O BOSS,  
TAPING,REDTE Part #3-1825058-2  
ADE02STR04TE Part #1969365-1  
ASY,SCRLESS WIRE CONN,VERT,6PTE Part #2829770-1  
CABLE ASSEMBLY, GROUND CLIP

## Documents

### Product Drawings

[FSMMSHP=R/A TACT SWITCH, SMT W/LOC. PEGS](#)

English

### CAD Files

[Customer View Model](#)

[ENG\\_CVM\\_CVM\\_1977066-1\\_B.2d\\_dxf.zip](#)

English

[3D PDF](#)



3D

Customer View Model

[ENG\\_CVM\\_CVM\\_1977066-1\\_B.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1977066-1\\_B.3d\\_stp.zip](#)

English

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

### Datasheets & Catalog Pages

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

English

[Tactile Switches](#)

English

[8-1773450-9\\_SWITCHES\\_CATALOG\\_SECTION\\_C\\_TACTILE\\_SWITCHES](#)

English