

# FSM1LPTR Datasheet

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DiGi Electronics Part Number	FSM1LPTR-DG
Manufacturer	<a href="#">TE Connectivity ALCOSWITCH Switches</a>
Manufacturer Product Number	FSM1LPTR
Description	SWITCH TACTILE SPST-NO 0.05A 24V
Detailed Description	Tactile Switch SPST-NO Top Actuated Surface Mount

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## Purchase and inquiry

Manufacturer Product Number:

FSM1LPTR

Series:

FSM1LP

Circuit:

SPST-NO

Contact Rating @ Voltage:

0.05A @ 24VDC

Mounting Type:

Surface Mount

Actuator Length, Right Angle:

-

Termination Style:

Gull Wing

Illumination:

Non-Illuminated

Illumination Voltage (Nominal):

-

Ingress Protection:

-

Operating Temperature:

-35°C ~ 85°C

Switch Travel:

0.25mm

Base Product Number:

FSM1

Manufacturer:

TE Connectivity ALCOSWITCH Switches

Product Status:

Active

Switch Function:

Off-Mom

Actuator Type:

Standard

Actuator Height off PCB, Vertical:

3.10mm

Actuator Orientation:

Top Actuated

Outline:

6.00mm x 6.00mm

Illumination Type, Color:

-

Operating Force:

160gf

Features:

-

Actuator Material:

Polyphthalamide (PPA)

Mechanical Life:

100,000 Cycles

## Environmental & Export classification

RoHS Status:

ROHS3 Compliant

REACH Status:

Vendor Undefined

HTSUS:

8536.50.9031

Moisture Sensitivity Level (MSL):

Not Applicable

ECCN:

EAR99

**FSM1LPTR** ✓ ACTIVE

[Alcoswitch](#) | [Alcoswitch FSM1LP](#)

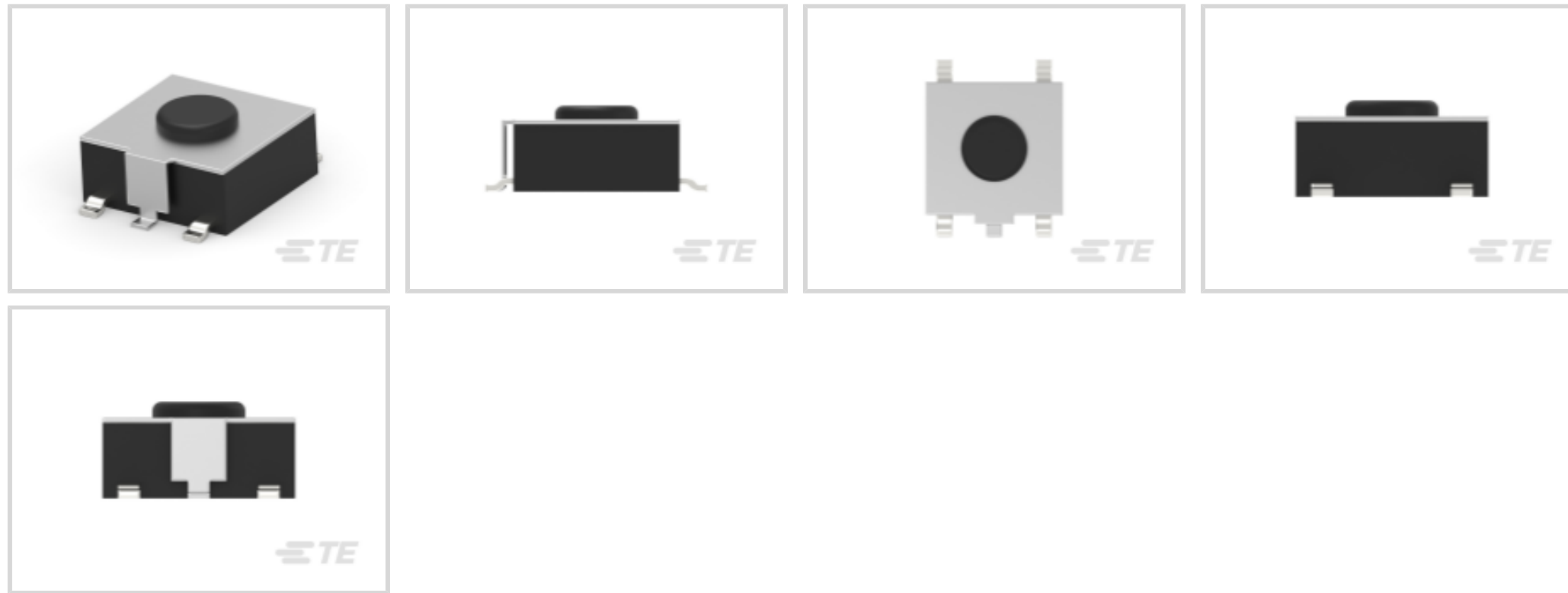
TE Internal #: 1-1437565-9

50 mA Tactile Switch, Round Actuator, NO, Copper Alloy, Silver Contact Plating, Low Profile, 24 VDC, Alcoswitch FSM1LP

[View on TE.com >](#)



Switches > Tactile Switches



Contact Current Rating: **50 mA**  
 Actuator Style: **Round Actuator**  
 Operating Function: **NO**  
 Contact Base Material: **Copper Alloy**  
 Switch Contact Plating Material: **Silver**

**Features**

**Product Type Features**

Leg Style	SMD Pads
Switch Connection Type	Printed Circuit Board
Illuminated	Without
Actuator Style	Round Actuator

**Configuration Features**

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

**Electrical Characteristics**

Operating Voltage	24 VDC
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50 mA Tactile Switch, Round Actuator, NO, Copper Alloy, Silver Contact Plating, Low Profile, 24 VDC, Alcoswitch FSM1LP

### Body Features

Case Material	PPS
Actuator Profile	Extended
Case Color	Black
Actuator Material	PPA
Cover Material	Nickel, Silver
Actuator Force	160 g[5.64 oz]
Product Orientation	Vertical
Actuator Color	Black

### Contact Features

Contact Current Rating	50 mA
Contact Base Material	Copper Alloy
Switch Contact Plating Material	Silver

### Termination Features

Termination Method to PCB	Surface Mount
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### Housing Features

Low Profile	With
Process Sealed	No

### Dimensions

Button Width	2.99 mm[.118 in]
	.122 in
Actuator Length	.27 mm[.01 in]

### Usage Conditions

Operating Temperature Range	-35 – 85 °C
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### Packaging Features

Packaging Method	Tape & Reel
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### 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	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold



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EU REACH Regulation (EC) No. 1907/2006

Current ECHA Candidate List: JAN 2025 (247)

Candidate List Declared Against: JUNE 2024 (241)

Does not contain REACH SVHC

Halogen Content

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

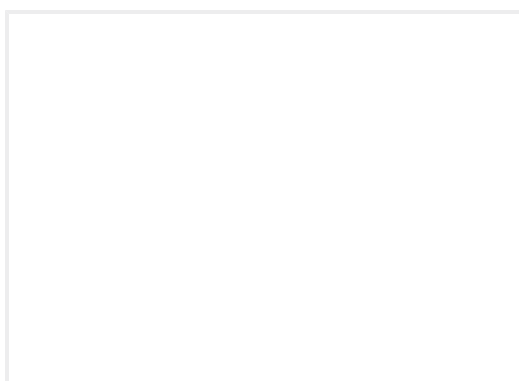
Solder Process Capability

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 # 7-1437565-1  
FSM91504F=TACT SWITCH SPECIAL



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



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



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



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



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

Also in the Series | [Alcoswitch FSM1LP](#)

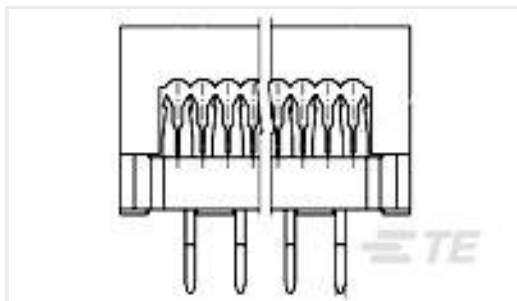


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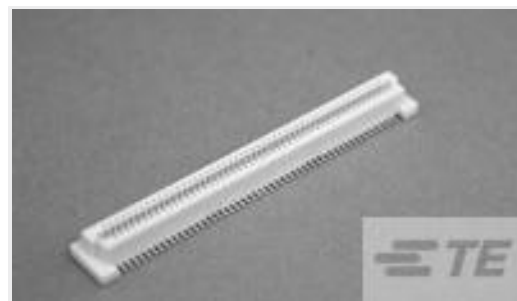


Tactile Switches(4)

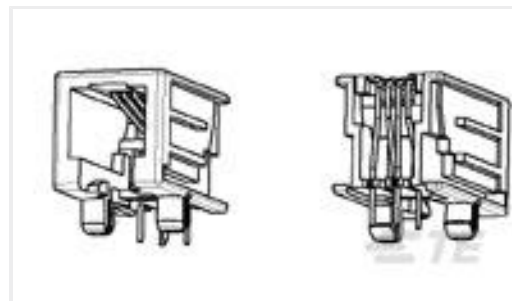
## Customers Also Bought



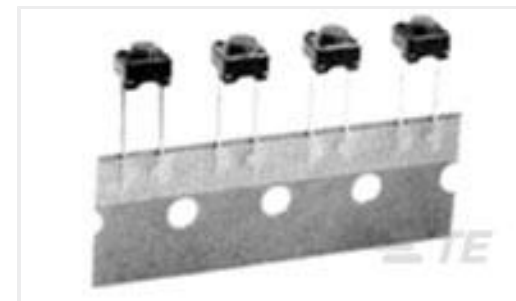
TE Part #5746613-2  
14 DIP PLUG CONN-W/COVER



TE Part #1735482-1  
0.8FH,R17H.5,040,08/Sn,TR,SC



TE Part #1-1705950-2  
Modular Jack SE, 6/4, Gold flash



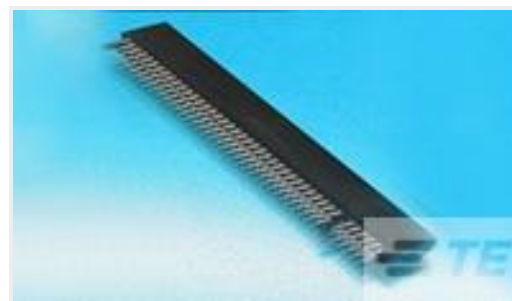
TE Part #147997-1  
FSM4JART=SWITCH,TACTILE,  
6MMX6M



TE Part #2199230-1  
M.2 0.5PITCH 4.2H KEY B GOLDFLASH



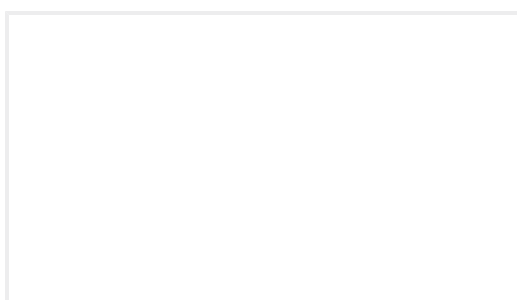
TE Part #2195889-2  
External Ant, SMA, 600-6000MHz



TE Part #5530843-4  
CONN SEC II 22 POS 100C/L



TE Part #3-1734592-6  
FPC CONN. 0.5MM PITCH B/C, 36P



TE Part #A5003SL24P1  
NTC THERMISTOR ASSEMBLY



TE Part #5-1393790-1  
V23079C2108X100

## Documents

### Product Drawings

[FSM1LPTR=NEW P/N](#)

English

### CAD Files

[Customer View Model](#)

[ENG\\_CVM\\_1-1437565-9\\_D1.3d\\_igs.zip](#)

English

[Customer View Model](#)



50 mA Tactile Switch, Round Actuator, NO, Copper Alloy, Silver Contact Plating, Low Profile, 24 VDC, Alcoswitch FSM1LP

[ENG\\_CVM\\_1-1437565-9\\_D1.3d\\_stp.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_1-1437565-9\\_D1.2d\\_dxf.zip](#)

English

**3D PDF**

English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_1-1437565-9\\_E.3d\\_igs.zip](#)

English

**Customer View Model**

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**Customer View Model**

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English

**3D PDF**

3D

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

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[Products for Mobile Equipment](#)

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