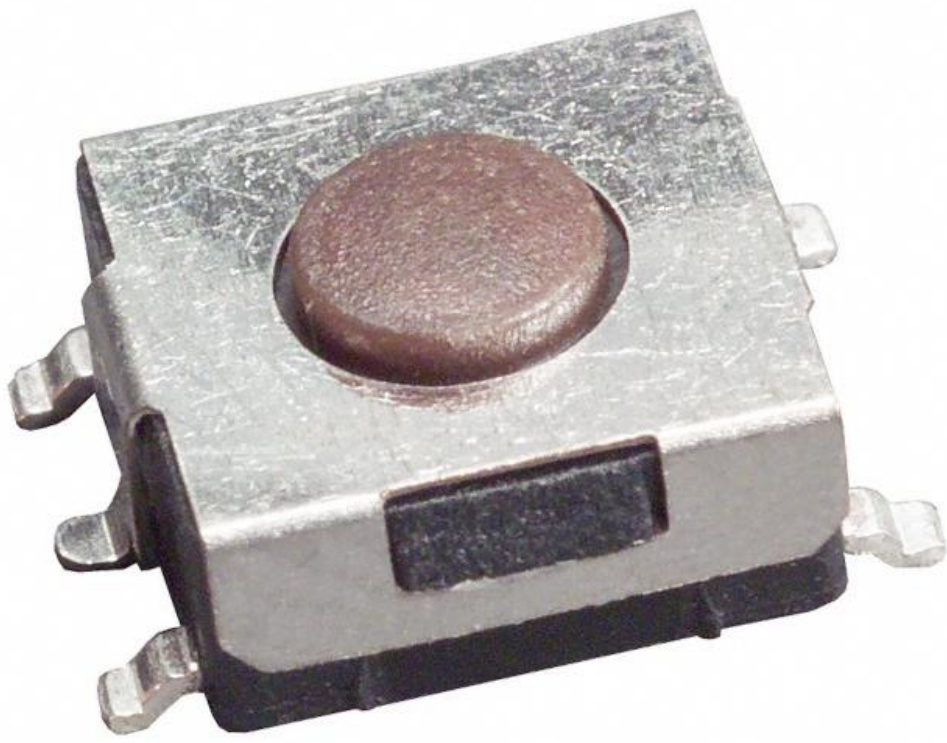


# FSM1LPATR Datasheet

[www.digi-electronics.com](http://www.digi-electronics.com)



<https://www.DiGi-Electronics.com>

DiGi Electronics Part Number	FSM1LPATR-DG
Manufacturer	<a href="#">TE Connectivity ALCOSWITCH Switches</a>
Manufacturer Product Number	FSM1LPATR
Description	SWITCH TACTILE SPST-NO 0.05A 24V
Detailed Description	Tactile Switch SPST-NO Top Actuated Surface Mount

This model FSM1LPATR is available at DiGi Electronics.

DiGi Electronics offers a global database of semiconductor and electronic component datasheets.

We welcome your inquiries regarding pricing, lead time, or other product-related questions.

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DiGi is a global authorized distributor of electronic components.

## Purchase and inquiry

Manufacturer Product Number:

FSM1LPATR

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:

260gf

Features:

-

Actuator Material:

Polyphenylene Sulfide (PPS)

Mechanical Life:

100,000 Cycles

## Environmental & Export classification

RoHS Status:

ROHS3 Compliant

REACH Status:

REACH Unaffected

HTSUS:

8536.50.9031

Moisture Sensitivity Level (MSL):

Not Applicable

ECCN:

EAR99

**FSM1LPATR** ✓ ACTIVE

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

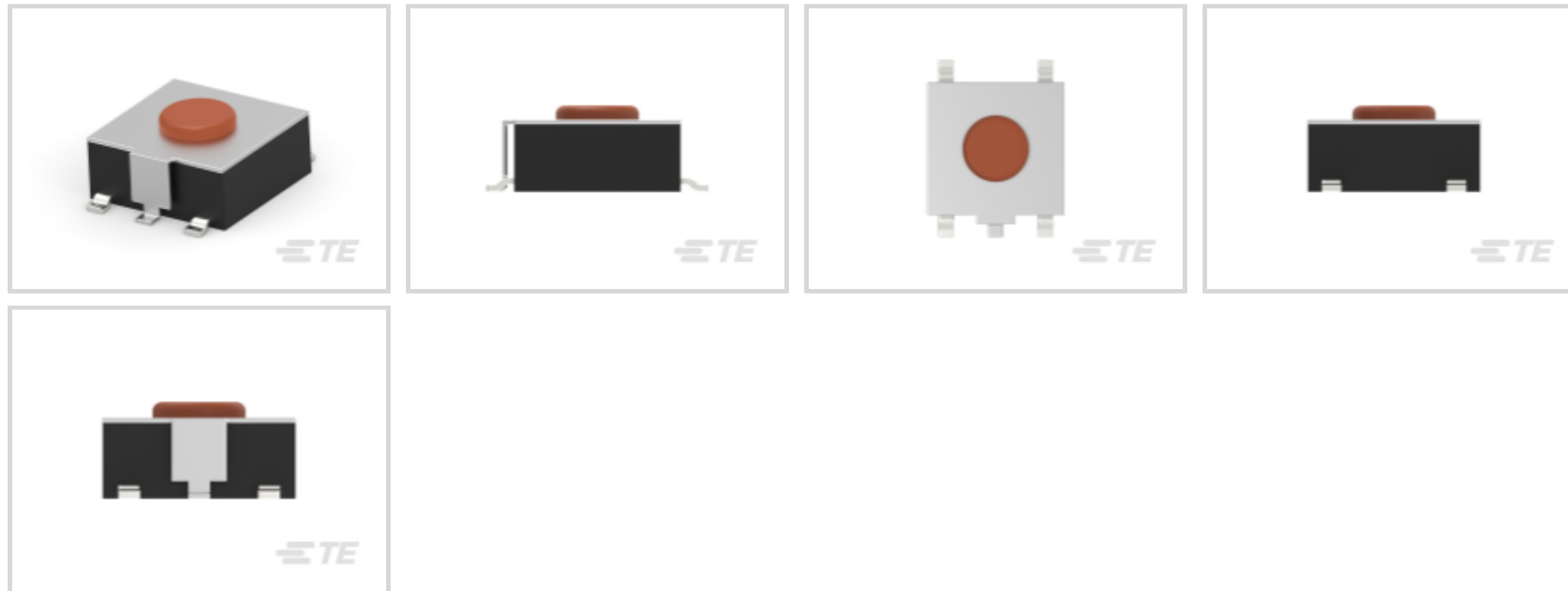
TE Internal #: 1-1437565-8

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	PPS
Cover Material	Nickel, Silver
Actuator Force	260 g[9.17 oz]
Product Orientation	Vertical
Actuator Color	Brown

### 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



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

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

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

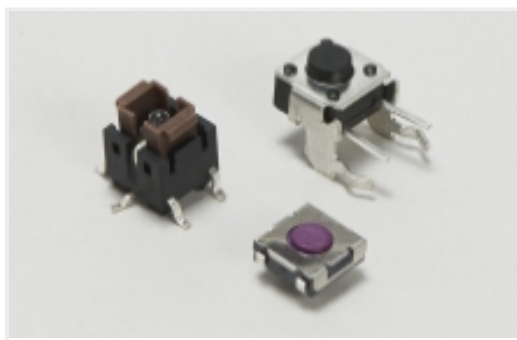


TE Part # 1825910-6  
FSM4JH=6MM TACT SWITCH, HIGH TEMP

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



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



Tactile Switches(4)

### Customers Also Bought



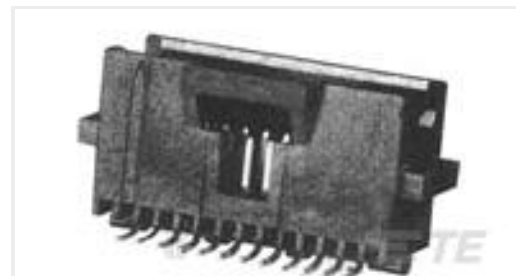
TE Part #3-641239-6  
06P MTA100 CONN ASSY BLU LF



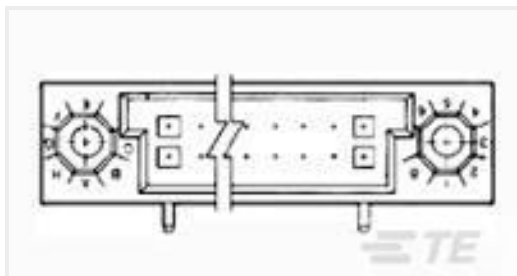
TE Part #3-2176392-9  
RQ 1206 332K 0.1% 10PPM 5K RL



TE Part #1879354-6  
RR03 5% R51 AMMO



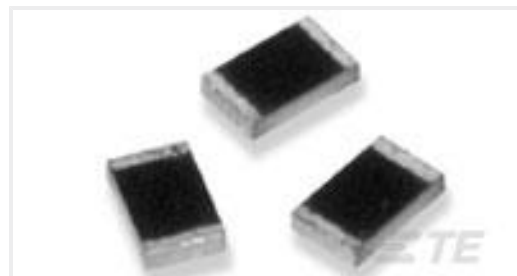
TE Part #5-104549-6  
40 SYS50 S/M HDR DRST SHRDSN



TE Part #532428-9  
HDI RECP ASSY 2 ROW 100 POS



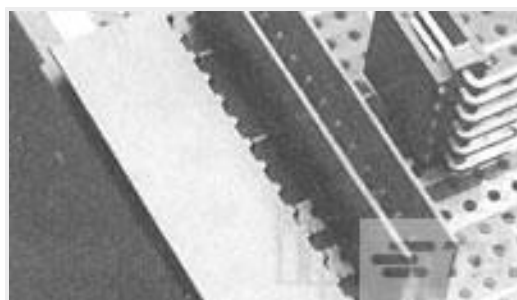
TE Part #3-2176091-3  
RP 2A 0.25W 124R 0.1% 25PPM 1K RL



TE Part #8-1879281-5  
RP 2A 604K 0.1% 15PPM CUT LENGTH



TE Part #9-2176400-7  
3540 10K 1%



TE Part #281699-4  
HEADER HE13 RA 4 P



TE Part #5745191-1  
50 RCPT SP/MS STD

### Documents

#### Product Drawings

[FSM1LPATR=TACT SWITCH 6X6MIL S](#)

English

#### CAD Files

Customer View Model

[ENG\\_CVM\\_1-1437565-8\\_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\\_1-1437565-8\\_D1.3d\\_stp.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_1-1437565-8\\_D1.2d\\_dxf.zip](#)

English

**3D PDF**

English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_1-1437565-8\\_E.3d\\_stp.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_1-1437565-8\\_E.2d\\_dxf.zip](#)

English

**3D PDF**

3D

**Customer View Model**

[ENG\\_CVM\\_CVM\\_1-1437565-8\\_E.3d\\_igs.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

[Products for Mobile Equipment](#)

English

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