



SMA

TE Internal #: 2081891-1
SMA Connector, Jack, 50 ohm, Screw, 27 GHz, Cable-to-Panel, 1
Position, -55 – 155 °C [-67 – 311 °F], Straight, Stainless Steel,
Passivated, SMA

[View on TE.com >](#)

Connectors > RF Connectors > Coax Connectors



RF Interface: **SMA**
RF Connector Style: **Jack**
Impedance: **50 Ω**
RF Connector Coupling Mechanism: **Screw**
Operating Frequency Range: **27 GHz**

Features

Product Type Features

RF Interface	SMA
RF Connector Style	Jack
Connector System	Cable-to-Panel
Sealable	No

Configuration Features

PCB Mount Orientation	Vertical
Number of Positions	1
Number of Coaxial Contacts	1

Electrical Characteristics

Impedance	50 Ω
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Body Features

Body Material	Stainless Steel
Body Material Finish	Passivated



Contact Features

RF Connector Center Contact Plating Material	Gold (Au)
RF Connector Center Contact Material	Beryllium Copper

Termination Features

Termination Method to PCB	Through Hole - Screw
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Mechanical Attachment

RF Connector Coupling Mechanism	Screw
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Housing Features

Body Orientation	Straight
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Usage Conditions

Operating Temperature Range	-55 – 155 °C[-67 – 311 °F]
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Operation/Application

Circuit Application	Signal
Operating Frequency Range	27 GHz

Packaging Features

Packaging Method	Bag & Box
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Other

Dielectric Material	Polytetrafluoroethylene (PTFE)
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Product Compliance

For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Compliant with Exemptions
EU ELV Directive 2000/53/EC	Not Yet Reviewed
China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JAN 2024 (240) SVHC > Threshold: Pb (4.35% in Component Part) Article Safe Usage Statements: Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.
Halogen Content	Low Bromine/Chlorine - Br and Cl < 900 ppm per homogenous material. Also BFR /CFR/PVC Free



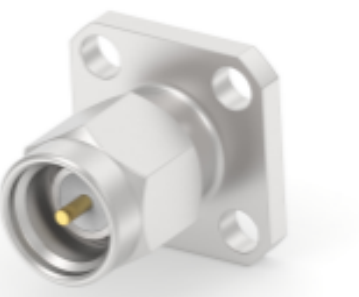
Solder Process Capability

Not reviewed for solder process capability

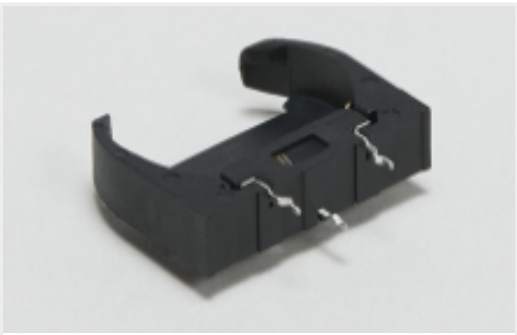
Product Compliance Disclaimer

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 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 # 2016748-5 EP-SMA,27GHz,Str,M-M,.141,FLEX, L500	 TE Part # 2016753-2 EP-SMA,27GHz,STR,M-M,.047,FLEX, L200	 TE Part # 2016753-7 EP-SMA,27GHz,STR,M-M,.047,FLEX, L150	 TE Part # 2016748-2 EP-SMA,27GHz,Str,M-M,.141,FLEX, L200
 TE Part # 2016748-4 EP-SMA,27GHz,Str,M-M,.141,FLEX, L400	 TE Part # 2016748-6 EP-SMA,27GHz,Str,M-M,.141,FLEX,L50	 TE Part # 2016757-9 EP-SMA,27GHz,STR,M-M,.086,FLEX, L350	 TE Part # 2016748-1 27 GHz SMA M-M, RG402 FLEX, L100
 TE Part # 2016753-1 EP-SMA,27GHZ,STR,M-M,.047,FLEX, L100	 TE Part # 2016748-3 EP-SMA,27GHz,Str,M-M,.141,FLEX, L300	 TE Part # 2081892-1 EP-SMA,PLUG,STRAIGHT,27GHZ,0.23 MM PIN	

Also in the Series | SMA



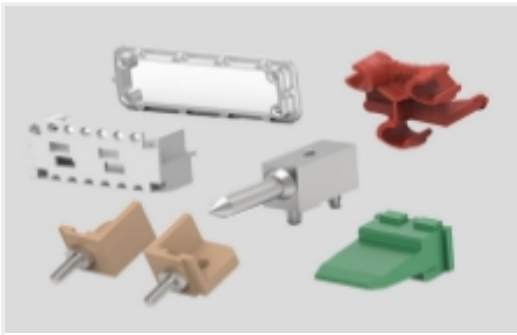
Battery Holders(1)



Connector Adapters & Connector Savers(8)



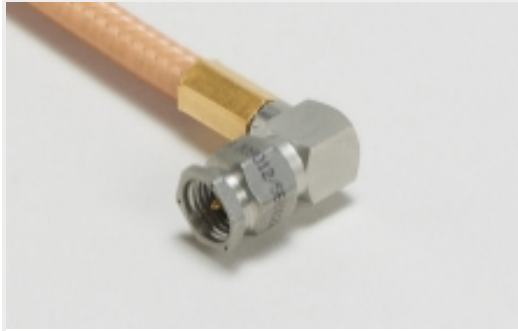
Connector Caps & Covers(3)



Connector Hardware(2)



Connector Strain Relief(1)

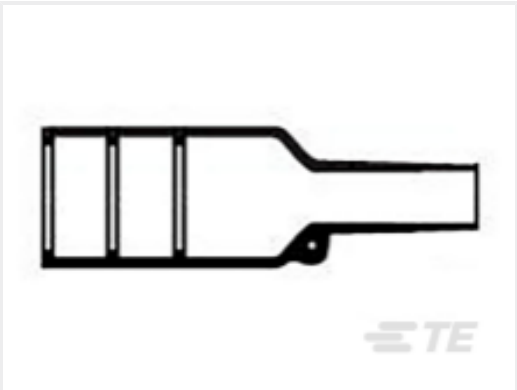


RF Cable Assemblies(119)



RF Terminators(1)

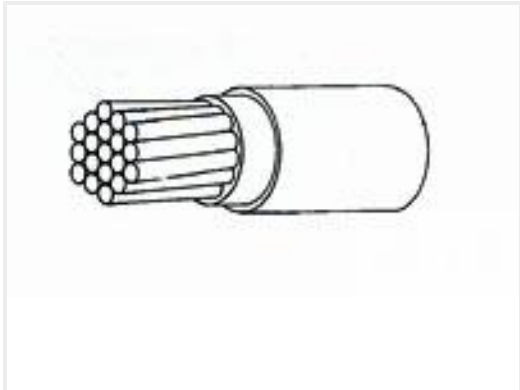
Customers Also Bought



TE Part #CAT-R21-731072
Bulbous Heat Shrink Boots: Lipped, Straight



TE Part #CAT-NEMA-M27500-SD
NEMA WC27500: ETFE Normal Weight Cables



TE Part #218424-001
22759/41-22-9



TE Part #34147
PG R 22-16 COMM 22-18 MIL 6



TE Part #34484
TERMINAL,SOLIS R 14-12 10



TE Part #52041-3
TERMINAL,R PG 8 1/4



TE Part #324043
TERMINAL,T-N R 8 10



TE Part #324044
TERMINAL,T-N R 8 5/16

Documents

Product Drawings
EP-SMA,JACK,STRAIGHT,27GHZ,0.23MM PIN

English

- CAD Files
- 3D PDF
- 3D
- Customer View Model
- ENG_CVM_CVM_2081891-1_1.2d_dxf.zip

2081891-1

SMA Connector, Jack, 50 ohm, Screw, 27 GHz, Cable-to-Panel, 1 Position, -55 – 155 °C [-67 – 311 °F], Straight, Stainless Steel, Passivated, SMA



English

Customer View Model

[ENG_CVM_CVM_2081891-1_1.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2081891-1_1.3d_stp.zip](#)

English

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

Product Specifications

Product Specification

English