



SMA

TE Internal #: 2081892-1
SMA Connector, Plug, 50 ohm, Screw, 27 GHz, Cable-to-Board, 1
Position, Printed Circuit Board, -55 – 155 °C [-67 – 311 °F], Straight,
SMA

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Connectors > RF Connectors > Coax Connectors



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

Features

Product Type Features

RF Interface	SMA
RF Connector Style	Plug
Connector System	Cable-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

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

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 # 2016759-2
EP-SMA,27GHz,F-F,.086,FLEX,L200



TE Part # 2016750-2
EP-SMA,27GHz,F-F,.141,FLEX,L200



TE Part # 2016759-5
EP-SMA,27GHz,F-F,.086,FLEX,L500



TE Part # 2081887-1
EP-SMA,JACK,STRAIGHT,27GHZ,141 CABLE



TE Part # 2016759-1
HF,27GHz SMA F-F,RG405 FLEX,L500



TE Part # 2016759-3
EP-SMA,27GHz,F-F,.086,FLEX,L300



TE Part # 2494476-1
MMCX TO SMA JACK BULKHEAD ST LMR-100 1 M



TE Part # 2016759-4
EP-SMA,27GHz,F-F,.086,FLEX,L400



TE Part # 2081891-1
EP-SMA,JACK,STRAIGHT,27GHZ,0.23 MM PIN

Also in the Series | SMA



Battery Holders(1)



Connector Adapters & Connector Savers(8)



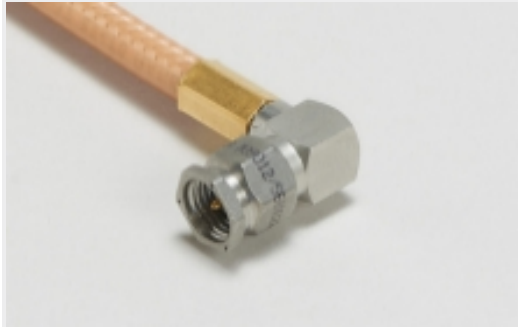
Connector Caps & Covers(3)



Connector Hardware(2)



Connector Strain Relief(1)

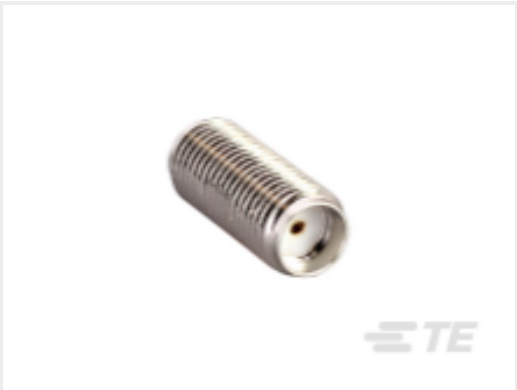


RF Cable Assemblies(119)



RF Terminators(1)

Customers Also Bought



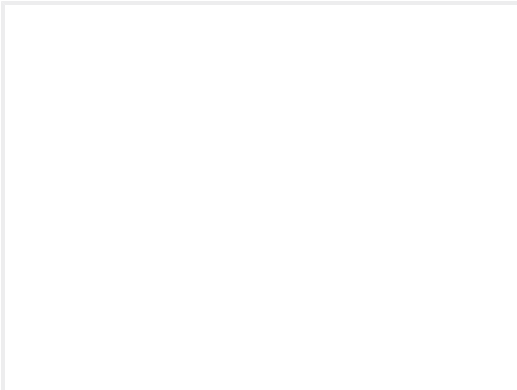
TE Part #ADP-SMAF-SMAF
SMA Jack to SMA Jack



TE Part #CONSMA007-R178
SMA Plug 50 Ohm Cable Crimp



TE Part #2560-212-2031
CONT PIN



TE Part #CTS-S20-20
CONT SOC ASSY



TE Part #1052422-1
2052 0000 02,SMA FM JACK RECPT

Documents

Product Drawings

EP-SMA,PLUG,STRAIGHT,27GHZ,0.23MM PIN

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2081892-1_1.2d_dxf.zip

2081892-1

SMA Connector, Plug, 50 ohm, Screw, 27 GHz, Cable-to-Board, 1 Position, Printed Circuit Board, -55 – 155 °C [-67 – 311 °F], Straight, SMA



English

Customer View Model

[ENG_CVM_CVM_2081892-1_1.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2081892-1_1.3d_stp.zip](#)

English

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Product Specifications

[Product Specification](#)

English