



SMA

TE Internal #: 2081887-1
SMA Connector, Jack, 50 ohm, Screw, 27 GHz, Cable-to-Board, 1
Position, Wire & Cable, Cable Mount (Free-Hanging), -65 – 165 °C
[-85 – 329 °F], SMA

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Connectors > RF Connectors > Coax Connectors



RF Interface: **SMA**
RF Connector Style: **Jack**
RF Connector Mated Outer Diameter (Approximate): **8 mm [.31 in]**
Impedance: **50 Ω**
RF Connector Coupling Mechanism: **Screw**

Features

Product Type Features

Connector Shape	Circular
Connector Product Type	Connector Assembly
RF Interface	SMA
RF Connector Style	Jack
Connector System	Cable-to-Board
Sealable	No
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Number of Positions	1
Number of Coaxial Contacts	1

Electrical Characteristics

Impedance	50 Ω
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Body Features

Body Material	Stainless Steel
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Body Material Finish	Passivated
Contact Features	
Ferrule Plating Material	Gold
Ferrule Material	Brass
RF Connector Center Contact Plating Material	Gold (Au)
RF Connector Center Contact Material	Beryllium Copper
Termination Features	
Termination Method to Wire & Cable	Solder
Mechanical Attachment	
RF Connector Coupling Mechanism	Screw
Connector Mounting Type	Cable Mount (Free-Hanging)
RF Contact Captivation Method	Mechanical
Detent	Without
Housing Features	
Body Orientation	Straight
Dimensions	
RF Connector Mated Outer Diameter (Approximate)	8 mm[.31 in]
Usage Conditions	
Operating Temperature Range	-65 – 165 °C[-85 – 329 °F]
Operation/Application	
Circuit Application	Signal
Operating Frequency Range	27 GHz
Packaging Features	
Packaging Quantity	50
Packaging Method	Bag
Other	
Dielectric Material	Polytetrafluoroethylene (PTFE)
Product Compliance	
For compliance documentation, visit the product page on TE.com>	
EU RoHS Directive 2011/65/EU	Compliant with Exemptions

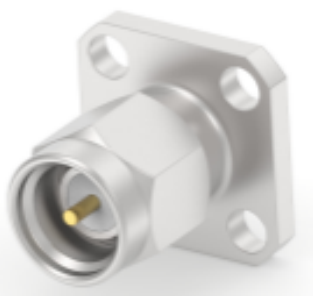


EU ELV Directive 2000/53/EC	Not Yet Reviewed
China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JAN 2024 (240) SVHC > Threshold: Pb (4.35% in Component 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 # 2467918-2 RF TERMINATOR SMA PLUG 18 GHZ SUS GOLD	 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	 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 # 2476209-1
SMA Plug to QMA Jack Str 18 GHz



TE Part # 2081886-1
EP-SMA,PLUG,STRAIGHT,27GHZ,141 CABLE

Also in the Series | SMA



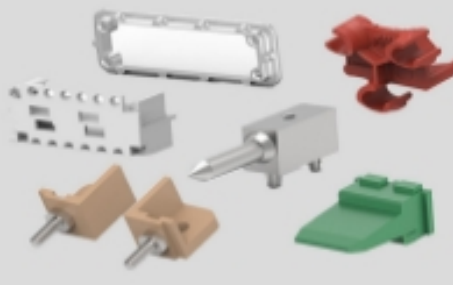
Battery Holders(1)



Connector Adapters & Connector Savers(8)



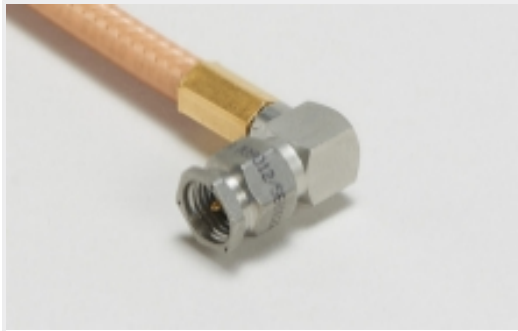
Connector Caps & Covers(3)



Connector Hardware(2)



Connector Strain Relief(1)



RF Cable Assemblies(119)



RF Terminators(1)

Customers Also Bought



TE Part #114017-ZZ
SEALING PLUG, SIZE 12/16, WHT



TE Part #CAT-D48-ST273
DEUTSCH Solid Contacts



TE Part #DT04-2P
REC, 2P, GRY, N



TE Part #CAT-D487-W416
Wedgelocks: DEUTSCH DT



Documents

Product Drawings

EP-SMA,JACK,STRAIGHT,27GHZ,141 CABLE

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2081887-1_1.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2081887-1_1.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2081887-1_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