



SMA

TE Internal #: 2081886-1
SMA Connector, Plug, 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: **Plug**
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	Plug
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

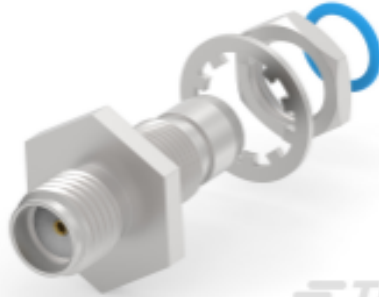
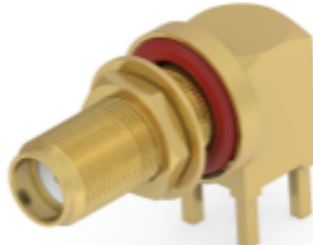
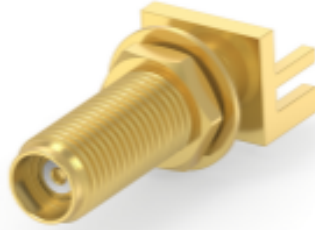


EU ELV Directive 2000/53/EC	Not Yet Reviewed
China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JAN 2024 (240) SVHC > Threshold: Pb (4.35% in Component 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

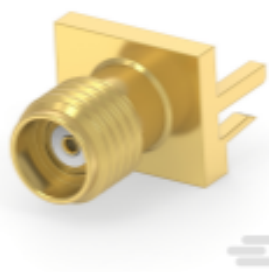
Product Compliance Disclaimer

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 # 2016759-1 HF,27GHz SMA F-F,RG405 FLEX,L500	 TE Part # 2016759-3 EP-SMA,27GHz,F-F,.086,FLEX,L300	 TE Part # 2466280-1 ADAPTER SMA F TO BMA MALE STR BHD 18 GHZ	 TE Part # 2506358-2 SMA Jack BHD to SMB Plug RA RG-316D
 TE Part # 2498609-2 SMA Jack RA Thru Hole BHD IP68 Brass 6G	 TE Part # 2016759-4 EP-SMA,27GHz,F-F,.086,FLEX,L400	 TE Part # 2081875-1 EP-SMA,JACK,27GHZ,END LAUNCH, 1.6MM BOARD	 TE Part # 2016759-2 EP-SMA,27GHz,F-F,.086,FLEX,L200





TE Part # 2081880-1
EP-SMA,JACK,27GHZ,END LAUNCH,
1.5MM BOARD



TE Part # 2478577-1
Cbl Assy SMA F to Test Probe SWJ Typ



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 # 2478574-1
Cbl Assy SMA F to Test Probe SWD
/SWF Typ

Also in the Series | SMA



Battery Holders(1)



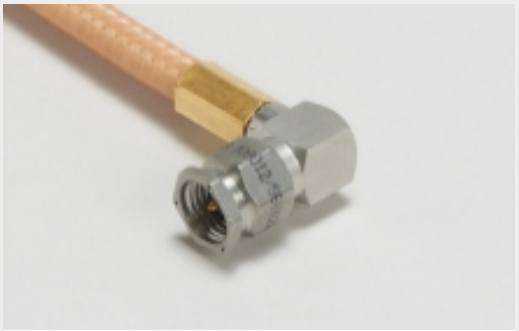
Connector Adapters & Connector
Savers(8)



Connector Caps & Covers(3)



Connector Strain Relief(1)



RF Cable Assemblies(119)

Customers Also Bought



TE Part #D42391-000
RNF-100-MINI-SPL-3/32-BK



TE Part #T4133012041-000
M12,FRONT MOUNT,FEMALE,A,4P,
SOLDER WIRE

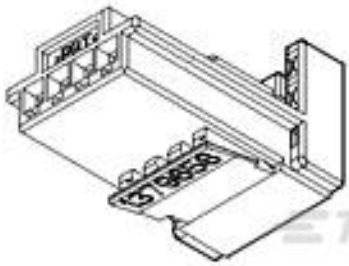


TE Part #T4111512051-000
M12 M, 5P GOLD D_CODE S
SHIELDED PG9



TE Part #1057679-1
3104 7985 00





TE Part #1379658-1
[4W RCPT HSG CODING 1 BLAC](#)



TE Part #2102735-1
[BP, Half Left End, MULTIGIG RT 2R](#)



TE Part #2102736-1
[BP, Center, MULTIGIG RT 2R](#)



TE Part #2102768-1
[BP, Center, RTM, MULTIGIG RT 2R](#)



TE Part #5227161-9
[RTANG JACK W/MTG PINS,BNC PCB](#)



TE Part #621055N005
[D-142-51CS918](#)

Documents

Product Drawings

[EP-SMA,PLUG,STRAIGHT,27GHZ,141 CABLE](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_2081886-1_1.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2081886-1_1.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2081886-1_1.3d_stp.zip](#)

English

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Product Specifications

[Product Specification](#)

English