



SMA

TE Internal #: CONSMA007-G
SMA Connector, Plug, 50 ohm, RG 174 / RG 188 / RG 316
Compatible With RF Cable Type, Threaded, 18 GHz, 1 Position,
Wire & Cable, SMA

[View on TE.com >](#)

Connectors > RF Connectors > Coax Connectors



RF Interface: SMA
RF Connector Style: Plug
Impedance: 50 Ω
Compatible With RF Cable Type: RG 174, RG 188, RG 316
RF Connector Coupling Mechanism: Threaded

Features

Product Type Features

Connector Product Type	Connector Assembly
RF Interface	SMA
RF Connector Style	Plug
Compatible With RF Cable Type	RG 174, RG 188, RG 316
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	Brass
Body Material Finish	Plated
Body Plating Material	Gold

Contact Features

Ferrule Plating Material	Gold
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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	Crimp
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Mechanical Attachment

RF Connector Coupling Mechanism	Threaded
Connector Mounting Type	Cable Mount (Free-Hanging)
RF Contact Captivation Method	Mechanical
Detent	Without

Housing Features

Body Orientation	Straight
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Usage Conditions

Operating Temperature Range	-65 – 165 °C[-85 – 329 °F]
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Operation/Application

Circuit Application	Signal
Operating Frequency Range	18 GHz

Packaging Features

Packaging Quantity	100
Packaging Method	Tray

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	有害物质含量超出标准 Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JAN 2025 (247) SVHC > Threshold:



Pb (4.45% in Component Part)

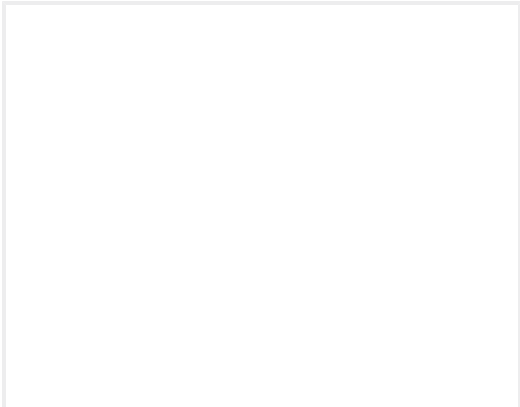
Article Safe Usage Statements:
Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.

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 Regulations, TE’s information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) ‘Guidance on requirements for substances in articles’(Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of ‘complex object’, the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA “Guidance on requirements for substances in articles” (June 2017, version 4.0) and will be updating its statements accordingly.

Compatible Parts

 TE Part # CCA-MCXF-152-RPSM Cable MCX Jack RG174 152 RPS Plug Ni	 TE Part # 3-1478978-0 SMA R/A PCB SKT GB	 TE Part # CONSMA010 SMA Jack to SMA Plug RA	 TE Part # L9000278-01 SMA Jack 50 Ohm .042 PCB Edge Mount
 TE Part # L9000265-01 SMA Jack 50 Ohm .042 PCB Edge Mount	 TE Part # ADP-SMAF-NM SMA Jack to N Type Plug	 TE Part # ADP-SMAF-SMAF-F-G SMA Jack to SMA Jack Flange	 TE Part # ADP-SMAF-SMPM-SSB SMA Jack to SMP Plug Bulkhead

CONSMA007-G

SMA Connector, Plug, 50 ohm, RG 174 / RG 188 / RG 316 Compatible With RF Cable
Type, Threaded, 18 GHz, 1 Position, Wire & Cable, SMA





TE Part # ADP-SMAF-SMAF-B-G
SMA Jack to SMA Jack Bulkhead



TE Part # ADP-RPSM-SMAF-G
RP-SMA Plug to SMA Jack



TE Part # CSS-SGAF-050-STTN
Cable SMA Jack Semi-Rigid 0.047" 50
Cut



TE Part # ADP-SMAF-SMBF-G
SMA Jack to SMB Jack



TE Part # CONSMA010-G
SMA Jack to SMA Plug RA



TE Part # ADP-SMAF-SMBM-G
SMA Jack to SMB Plug



TE Part # CSJ-SGFB-100-MHF4
SMA to MHF4 100mm 0.81 OD



TE Part # CCC-RSFI-4000-RPSM
Cable SMA Jack RG58 4M SMA Plug
Ni



TE Part # CCC-RSFI-1829-RPSM
Cable SMA Jack RG58 1.8M SMA Plug
Ni



TE Part # 2480662-1
SMA F St BHD to Open Semi-rigid.047
50mm



TE Part # ADP-SMAF-NF-B-W
SMA Jack to N Jack



TE Part # ADP-SMAF-MCXM
SMA Jack to MCX Plug

Also in the Series | SMA



Connector Adapters & Connector
Savers(8)

Customers Also Bought



TE Part #CONREVSMA007-G
RP-SMA Plug 50 Ohm Cable Crimp



TE Part #T41613B9L25-002
RPC-M12L-5FS-1.0-SH PUR 14AWG GY



TE Part #3827113001
44A1121-20-2/9-9



TE Part #CONMMCX011
MMCX Jack 50 Ohm Cable Crimp



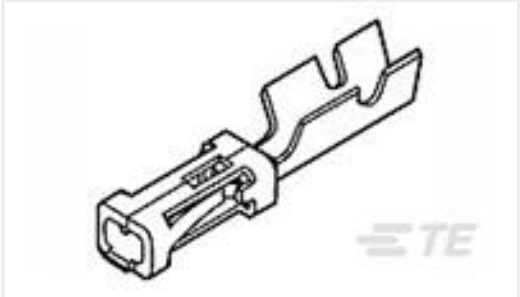
TE Part #5677652002
[RNF-3000-9/3-2-STK](#)



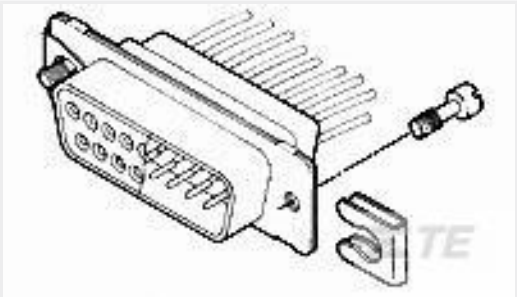
TE Part #CONSMA011-G
[SMA Jack 50 Ohm Cable Crimp](#)



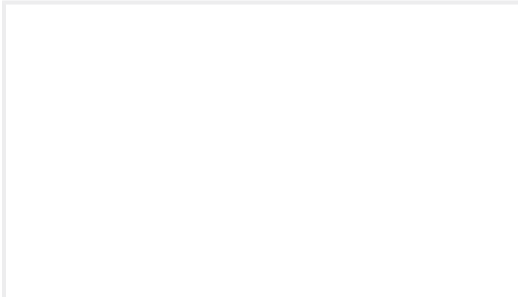
TE Part #CONSMA005
[SMA Jack 50 Ohm Cable Crimp](#)



TE Part #5-103171-1
[MOD IV RECP PLTD 15 DPLX LF](#)



TE Part #5745136-3
[SCREW RETAINER KIT](#)



TE Part #ZPF000000000003756
[732-8069-00 A1064](#)

Documents

Product Drawings

[SMA Plug 50 Ohm Cable Crimp](#)

English

CAD Files

Customer View Model

[ENG_CVM_CVM_CONSMA007-G_A1.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_CONSMA007-G_A1.3d_stp.zip](#)

English

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_CONSMA007-G_A1.2d_dxf.zip](#)

English

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

Datasheets & Catalog Pages

[SMA CABLE END CRIMP FOR RD-174 CABLE](#)

English