

1-1478916-0 ✓ ACTIVE

AMP | SMA

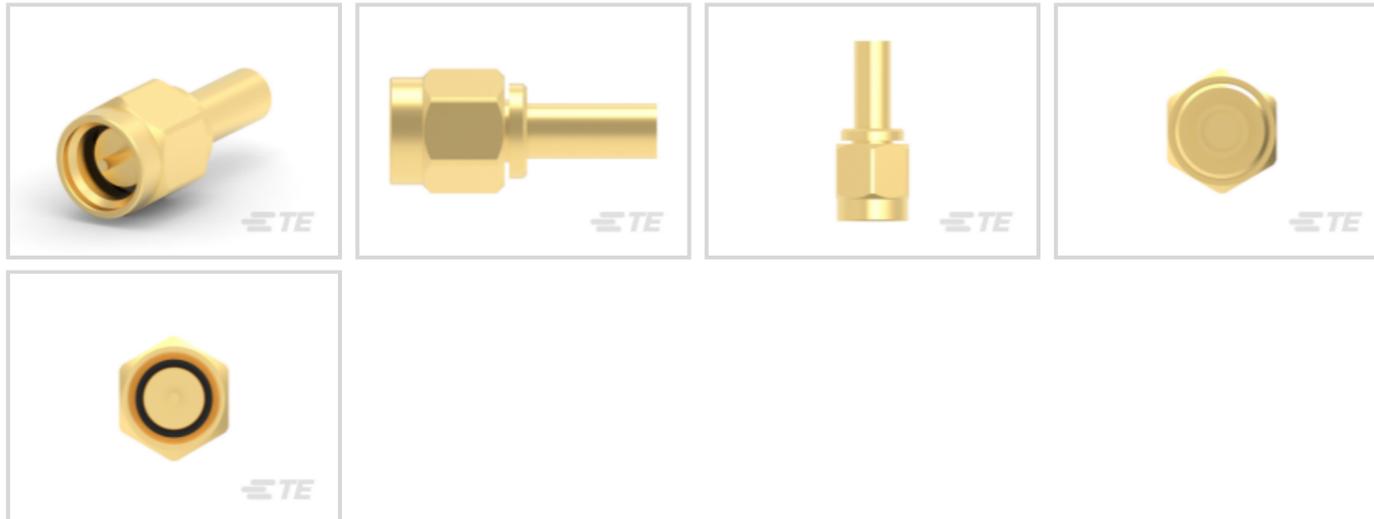
TE Internal #: 1-1478916-0

SMA Connector, Plug, 50 ohm, RG 174 / RG 316 Compatible With RF Cable Type, Threaded, 27 GHz, Cable-to-Cable, 1 Position, Sealable, Wire & Cable, SMA

[View on TE.com >](#)



Connectors > RF Connectors > Coax Connectors



RF Interface: **SMA**

RF Connector Style: **Plug**

RF Connector Mated Outer Diameter (Approximate): **6.35 mm [ .25 in ]**

Impedance: **50 Ω**

Compatible With RF Cable Type: **RG 174, RG 316**

## Features

### Product Type Features

Connector Seal & Plug Type	Gasket
Connector Product Type	Connector Assembly
RF Interface	SMA
RF Connector Style	Plug
Compatible With RF Cable Type	RG 174, RG 316
Connector System	Cable-to-Cable
Sealable	Yes
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
Body Material Finish	Plated
Body Plating Material	Gold

#### Contact Features

Ferrule Plating Material	Gold
Crimp Type	Hexagonal Crimping
RF Connector Contact Configuration	Not Captivated
RF Connector Center Contact Underplating Material	Copper
RF Connector Center Contact Plating Thickness	.76 $\mu$ m
Ferrule Material	Brass
RF Connector Center Contact Plating Material	Gold (Au)
RF Connector Center Contact Material	Brass

#### Termination Features

Termination Method to Wire & Cable	Crimp
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#### Mechanical Attachment

RF Connector Coupling Mechanism	Threaded
RF Contact Captivation Method	Mechanical
Detent	Without

#### Housing Features

Body Orientation	Straight
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#### Dimensions

Product Length	15.05 mm[.593 in]
RF Connector Mated Outer Diameter (Approximate)	6.35 mm[.25 in]

#### Usage Conditions

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

Operating Frequency Range	27 GHz
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#### Packaging Features

Packaging Quantity	100
Packaging Method	Bag

#### Other



Coupling Nut Plating Material	Gold
Gasket Material	Silicone Rubber
Grade	Professional
Coupling Nut Base Material	Stainless Steel
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	Out of Scope
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: JUNE 2025 (250) SVHC > Threshold: Pb (3.15% in 12597895049) <b>Article Safe Usage Statements:</b> 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 applicable for solder process capability

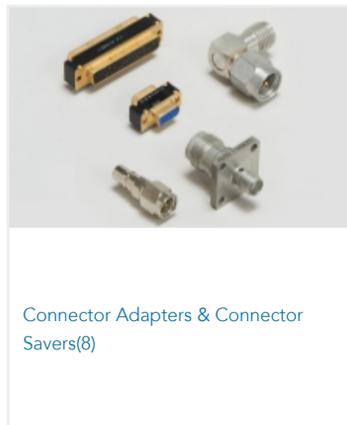
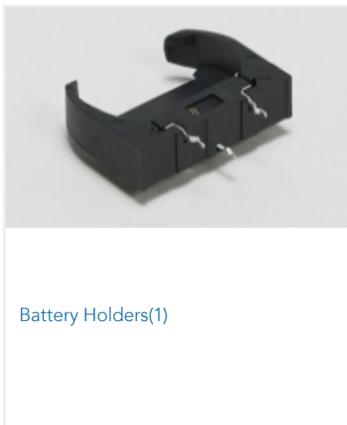
### Product Compliance Disclaimer

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



Also in the Series | SMA



Customers Also Bought





## Documents

### Product Drawings

[SMA STR PLG C/CRMP RG174 GSS](#)

English

### CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_1-1478916-0\\_A.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1-1478916-0\\_A.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1-1478916-0\\_A.3d\\_stp.zip](#)

English

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

### Datasheets & Catalog Pages

[1-1773725-8\\_RF\\_COAX\\_QRG](#)

English

### Product Specifications

[Product Specification](#)

English