



AMP | AMP SMA

TE Internal #: 228634-1

SMA RF Interface, Plug, 50 Ω, RG 402 Semi-Rigid, Threaded, 18 GHz Operating Frequency, 1 Position, Wire & Cable, Cable Mount (Free-Hanging), AMP SMA

[View on TE.com >](#)

Connectors > RF Connectors > Coax Connectors



RF Interface: **SMA**

RF Connector Style: **Plug**

RF Connector Mated Outer Diameter (Approximate): **8.99 mm [ .354 in ]**

Impedance: **50 Ω**

Compatible With RF Cable Type: **RG 402 Semi-Rigid**

### Features

#### Product Type Features

Connector Product Type	Connector Assembly
Connector Seal & Plug Type	Interfacial Seal
RF Interface	SMA
RF Connector Style	Plug
Compatible With RF Cable Type	RG 402 Semi-Rigid
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

Cable Connector Orientation	Straight
Body Material	Stainless Steel
Body Material Finish	Passivated

#### Contact Features

RF Connector Center Contact Underplating Material	Nickel
RF Connector Contact Configuration	Not Captivated



Ferrule Plating Material	Nickel
Crimp Type	Hex
Ferrule Material	Brass
RF Connector Center Contact Plating Material	Gold
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

#### Dimensions

Product Length	16 mm[.63 in]
RF Connector Mated Outer Diameter (Approximate)	8.99 mm[.354 in]

#### Usage Conditions

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

Operating Frequency	18 GHz
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#### Packaging Features

Packaging Method	Package
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#### Other

Coupling Nut Plating Finish	Passivated
RF Connector Comment	Die Set not included with Pneumatic Tool: Must be purchased separately.
Coupling Nut Base Material	Stainless Steel
Military Category	F
Grade	Military
Dielectric Material	PTFE

#### Product Compliance

For compliance documentation, visit the product page on [TE.com](https://www.te.com)>

EU RoHS Directive 2011/65/EU	Compliant with Exemptions
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EU ELV Directive 2000/53/EC

Compliant with Exemptions

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 2023  
(235)Candidate List Declared Against: JAN 2021  
(211)

SVHC &gt; Threshold:

Pb (3.7% in base metal alloy)

**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

BFR/CFR/PVC Free, but Br/Cl &gt;900 ppm in other sources.

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 | **AMP SMA**



Battery Holders(1)



Coax Connectors(296)



Connector Savers & Adapters(12)



Rack & Panel Ferrules & Inserts(1)



RF Cable Assemblies(2)



RF Connector Hardware(2)



RF Connector Launchers(8)

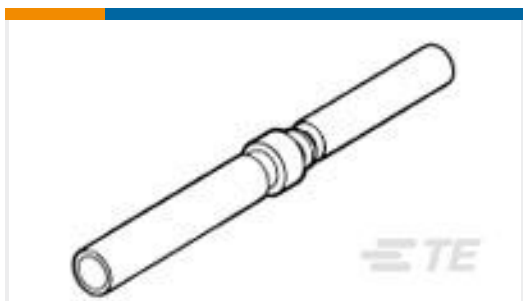


RF Connector Shrouds(3)

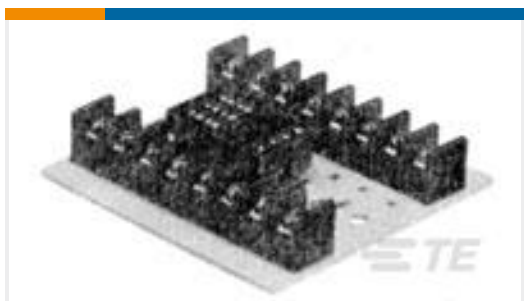


RF Terminators(1)

### Customers Also Bought



TE Part #204351-1  
SZ 22 SOCKET CONTACT



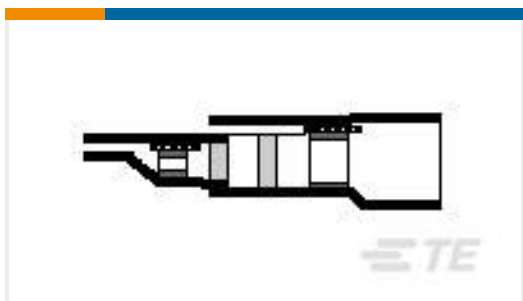
TE Part #1393837-1  
27E460=SOCKET,R10,,ASSY,2 POLE



TE Part #53425-1  
TERMINAL,PIDG PVF2 R 12-10 10



TE Part #601966-1  
CRIMPING TOOL M22520/2-01



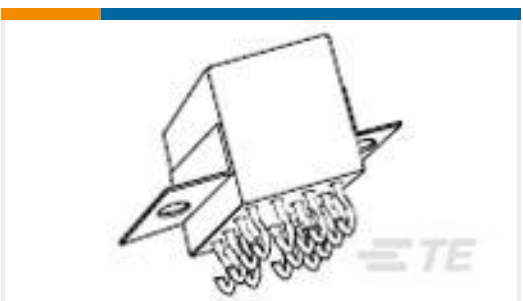
TE Part #120411-000  
B-040-24-N



TE Part #33459  
TERMINAL,SOLIS R 12-10 5/16



TE Part #640903-2  
RECEIPT,PIDG FASTON 22-18 250



TE Part #2-1617754-3  
FCA-410-1624M=M83536/16-024M



## Documents

### Product Drawings

[PLUG,SMA,W/O HOLES,W/CTR CONT](#)

English

### CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_228634-1\\_AD.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_228634-1\\_AD.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_228634-1\\_AD.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

[Product Specification](#)

English

[Contact, COAXICON, Modified Size 1 For ARINC 600 Series TCAS Connector](#)

English

[Contact, COAXICON, Modified Size 1 For ARINC 600 Series TCAS Connector](#)

Japanese

[Product Specification](#)

Japanese

### Instruction Sheets

[Instruction Sheet \(U.S.\)](#)

English