



SMA

TE Internal #: CONSMA005

SMA Connector, Jack, 50 ohm, RG 174 / RG 188 / RG 316

Compatible With RF Cable Type, Threaded, 12 GHz, 1 Position, Wire & Cable, Panel Mount, SMA

[View on TE.com >](#)

Connectors > RF Connectors > Coax Connectors



RF Interface: SMA

RF Connector Style: Jack

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	Jack
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	Nickel

Contact Features

Ferrule Plating Material	Nickel
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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	Panel Mount
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	12 GHz

### Packaging Features

Packaging Quantity	100
Packaging Method	Bulk

### Other

Lockwasher Material	Brass
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	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

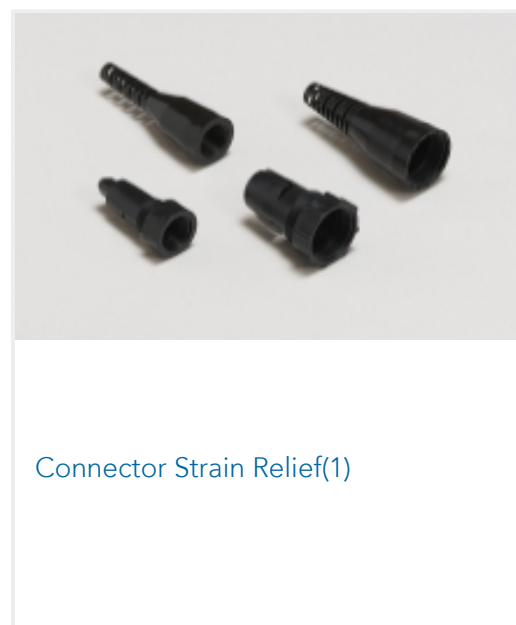
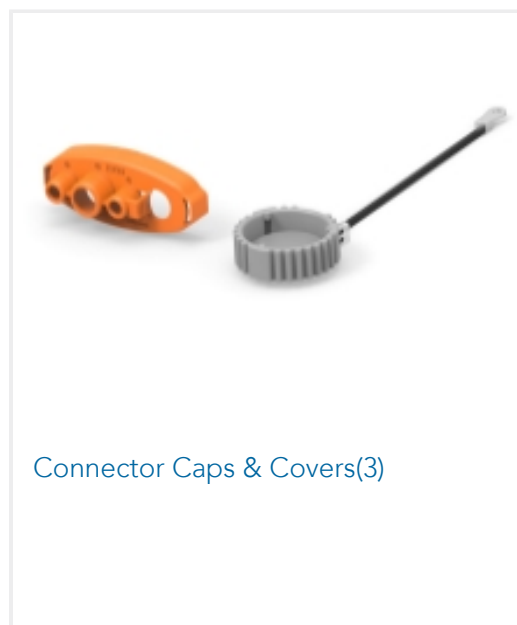
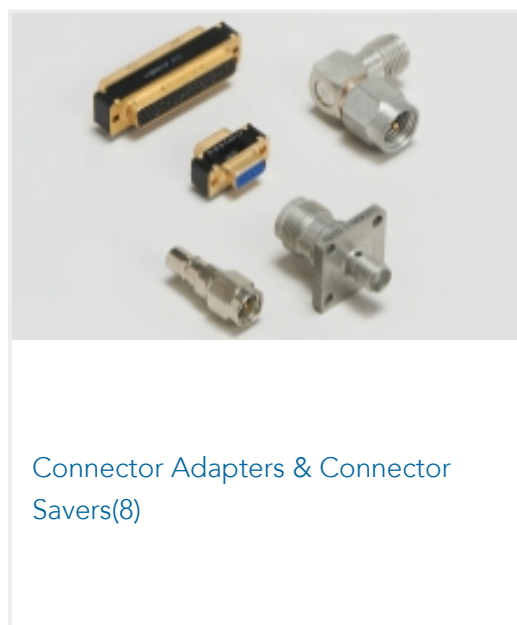
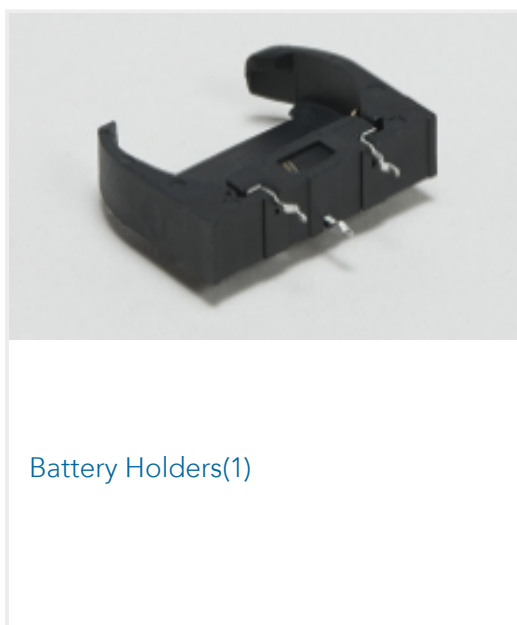
**Product Compliance Disclaimer**

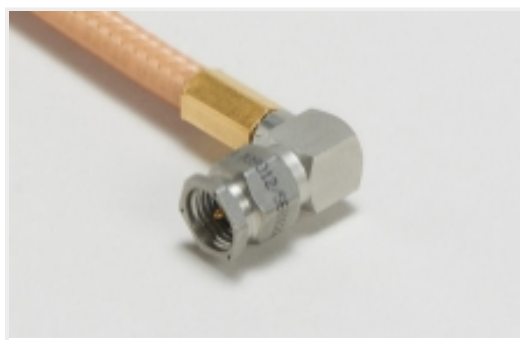
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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



## Also in the Series | SMA





RF Cable Assemblies(121)


## Customers Also Bought



TE Part #957364-000  
55A1822-22-9/96-9



TE Part #254538-E  
SMCQ 32 M AB VV 8-03 CL \* H007 137 E005



TE Part #599556-000  
CWT-5



TE Part #CONSMSA007-G  
SMA Plug 50 Ohm Cable Crimp



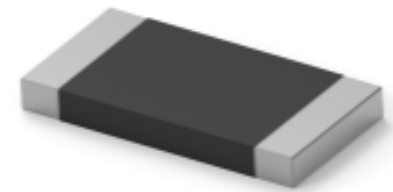
TE Part #354072-E  
SMCB 32 F AB VV 7-23 CL \* H007 137 E002



TE Part #CAT-C339-T2201  
Wirewound Resistor: Mineral, 2.5 Kw



TE Part #6-2176371-9  
RQ 0603 23K7 0.1% 10PPM 5K RL



TE Part #4-2176422-7  
TLRP 2512 3.0W R003 1% 50PPM 4K RL



TE Part #2479976-3  
SMA M to SMA M Str 18G Flexible.086 36"

## Documents

### CAD Files

Customer View Model

[ENG\\_CVM\\_CVM\\_CONSMSA005\\_C.3d\\_stp.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_CONSMSA005\\_C.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_CONSMSA005\\_C.3d\\_igs.zip](#)



English

[3D PDF](#)

[3D](#)

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

### Datasheets & Catalog Pages

[SMA FEMALE BULKHEAD MOUNT CABLE END CRIMP FOR RG174 CABLE](#)

English