



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 Seal & Plug Type        | Interfacial Seal  |
| Connector Product Type            | Housing           |
| 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 |
|-----------|------|

Body Features

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

Contact Features

|                          |                    |
|--------------------------|--------------------|
| Ferrule Plating Material | Nickel             |
| Crimp Type               | Hexagonal Crimping |



|                                                   |                |
|---------------------------------------------------|----------------|
| RF Connector Contact Configuration                | Not Captivated |
| RF Connector Center Contact Underplating Material | Nickel         |
| Ferrule Material                                  | Brass          |

Termination Features

|                                    |       |
|------------------------------------|-------|
| Termination Method to Wire & Cable | Crimp |
|------------------------------------|-------|

Mechanical Attachment

|                                 |                            |
|---------------------------------|----------------------------|
| RF Connector Coupling Mechanism | Threaded                   |
| Connector Mounting Type         | Cable Mount (Free-Hanging) |
| RF Contact Captivation Method   | None                       |

Dimensions

|                                                 |                   |
|-------------------------------------------------|-------------------|
| Product Length                                  | 11.35 mm[.447 in] |
| RF Connector Mated Outer Diameter (Approximate) | 8.99 mm[.354 in]  |

Usage Conditions

|                             |                            |
|-----------------------------|----------------------------|
| Operating Temperature Range | -65 – 165 °C[-85 – 329 °F] |
|-----------------------------|----------------------------|

Operation/Application

|                     |        |
|---------------------|--------|
| Operating Frequency | 18 GHz |
|---------------------|--------|

Packaging Features

|                  |         |
|------------------|---------|
| Packaging Method | Package |
|------------------|---------|

Other

|                             |                 |
|-----------------------------|-----------------|
| Grade                       | Military        |
| Coupling Nut Base Material  | Stainless Steel |
| Coupling Nut Plating Finish | Passivated      |
| Military Category           | F               |

Product Compliance

For compliance documentation, visit the product page on TE.com>

|                                               |                                                                                                 |
|-----------------------------------------------|-------------------------------------------------------------------------------------------------|
| EU RoHS Directive 2011/65/EU                  | Compliant                                                                                       |
| EU ELV Directive 2000/53/EC                   | Compliant                                                                                       |
| China RoHS 2 Directive MIIT Order No 32, 2016 | No Restricted Materials Above Threshold                                                         |
| EU REACH Regulation (EC) No. 1907/2006        | Current ECHA Candidate List: JAN 2025 (247)<br>Candidate List Declared Against: JUNE 2023 (235) |



Does not contain REACH SVHC

|                           |                                                        |
|---------------------------|--------------------------------------------------------|
| Halogen Content           | BFR/CFR/PVC Free, but Br/Cl >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>

Also in the Series | SMA

Battery Holders(1)

Connector Adapters & Connector Savers(8)

Connector Caps & Covers(3)

Connector Hardware(2)

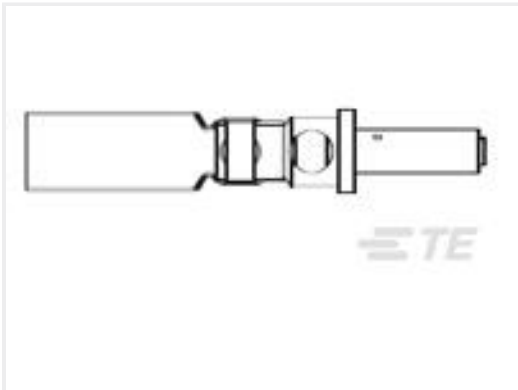
Connector Strain Relief(1)

RF Cable Assemblies(2)

Customers Also Bought



TE Part #NB16024001  
RT-375-3/16-X-SP



TE Part #753454-000  
D-602-0140



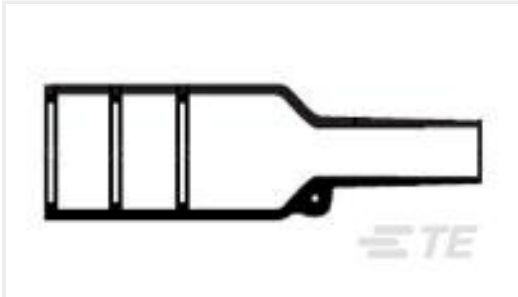
TE Part #2160263005  
55A0111-24-9



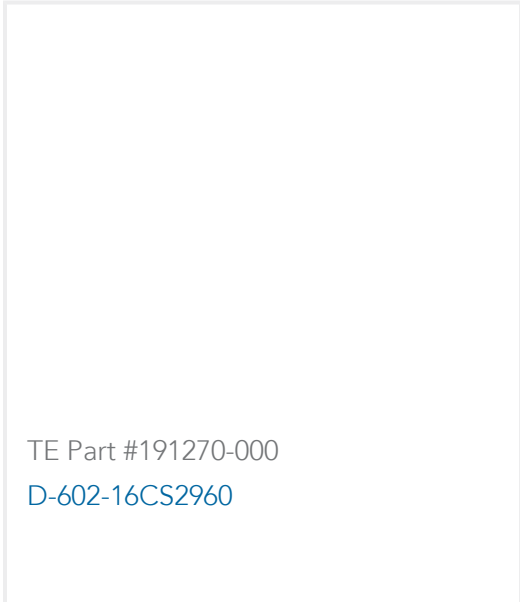
TE Part #CAT-D38999-DTS4U  
D38999: Square Flange, 13-35 insert



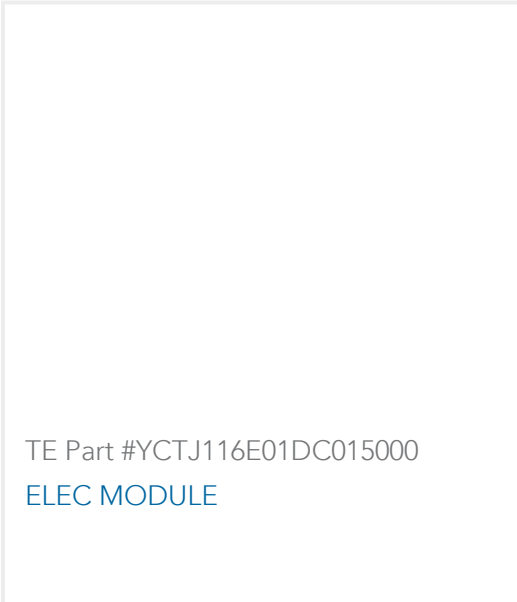
TE Part #5070042035  
RNF-100-1/8-X-STK



TE Part #016211-000  
202K163-100/180-0



TE Part #191270-000  
D-602-16CS2960



TE Part #YCTJ116E01DC015000  
ELEC MODULE



TE Part #YDTS20T17-35SNV001  
RECP ASSY

Documents

Product Drawings  
SMA PLUG W/O CENTER CONT  
English

CAD Files  
3D PDF  
3D  
Customer View Model  
ENG\_CVM\_CVM\_228635-1\_Z.2d\_dxf.zip  
English  
Customer View Model  
ENG\_CVM\_CVM\_228635-1\_Z.3d\_igs.zip  
English  
Customer View Model  
ENG\_CVM\_CVM\_228635-1\_Z.3d\_stp.zip  
English

By downloading the CAD file I accept and agree to the Terms and Conditions of use.

Datasheets & Catalog Pages



DEUTSCH MIL-DTL-38999 CIRCULAR CONNECTORS

English

Product Specifications

Product Specification

English