



Connectors > RF Coax Connectors > RF Connectors



RF Interface: **SMA**

RF Connector Style: **Jack**

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

Impedance: **50 Ω**

RF Connector Coupling Mechanism: **Threaded**

Features

Product Type Features

|                        |                    |
|------------------------|--------------------|
| Connector Product Type | Connector Assembly |
| RF Interface           | SMA                |
| RF Connector Style     | Jack               |
| Connector System       | Cable-to-Panel     |
| Sealable               | No                 |

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

|                                                   |                  |
|---------------------------------------------------|------------------|
| RF Connector Center Contact Underplating Material | Copper, Nickel   |
| RF Connector Contact Configuration                | Not Captivated   |
| RF Connector Center Contact Plating Material      | Gold             |
| RF Connector Center Contact Material              | Beryllium Copper |



Termination Features

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

Mechanical Attachment

|                                 |             |
|---------------------------------|-------------|
| Panel Attachment Style          | Rear Mount  |
| Panel Mount Feature Type        | Flange      |
| RF Connector Coupling Mechanism | Threaded    |
| Connector Mounting Type         | Panel Mount |
| RF Contact Captivation Method   | Mechanical  |
| Detent                          | Without     |

Dimensions

|                                                 |                    |
|-------------------------------------------------|--------------------|
| Product Length                                  | 27.41 mm[1.079 in] |
| RF Connector Mated Outer Diameter (Approximate) | 6.35 mm[.25 in]    |

Usage Conditions

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

Operation/Application

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

Packaging Features

|                  |        |
|------------------|--------|
| Packaging Method | Carton |
|------------------|--------|

Other

|                                |                   |
|--------------------------------|-------------------|
| Number of Panel Mounting Holes | 4                 |
| Dielectric Material            | PTFE Fluorocarbon |

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                   | 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 2022 (224)<br>Candidate List Declared Against: JUL 2021 (219)<br>SVHC > Threshold:<br>Pb (.6% in Component Part)<br><small>Article Safe Usage Statements:</small> |



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 | Pin-in-Paste capable to 260°C                                                              |

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 | AMP SMA

|                                    |                            |                          |                           |
|------------------------------------|----------------------------|--------------------------|---------------------------|
|                                    |                            |                          |                           |
| Battery Holders(1)                 | Between Series Adapters(1) | Coax Terminators(1)      | In-Series Adapters(11)    |
|                                    |                            |                          |                           |
| Rack & Panel Ferrules & Inserts(1) | RF Cable Assemblies(2)     | RF Connector Hardware(2) | RF Connector Launchers(8) |





RF Connector Shrouds(3)



RF Connectors(297)

Documents

Product Drawings

2052 1200 02

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_1052518-1\_A.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_1052518-1\_A.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_1052518-1\_A.3d\_stp.zip

English

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

Datasheets & Catalog Pages

SMA Connectors

English