



Connectors > RF Connectors > Coax Connectors



RF Interface: **SMA**

RF Connector Style: **Jack**

RF Connector Mated Outer Diameter (Approximate): **8 mm [.31 in]**

Impedance: **50 Ω**

Compatible With RF Cable Type: **RG 141**

Features

Product Type Features

| | |
|-----------------------------------|--------------------|
| Connector Shape | Circular |
| Connector Product Type | Connector Assembly |
| RF Interface | SMA |
| RF Connector Style | Jack |
| Compatible With RF Cable Type | RG 141 |
| Connector System | Cable-to-Board |
| Sealable | No |
| 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 |
| Body Plating Material | Passivated |

Contact Features

| | |
|--|------------------|
| Ferrule Plating Material | Gold |
| 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 | Solder |
|------------------------------------|--------|

Mechanical Attachment

| | |
|---------------------------------|----------------------------|
| RF Connector Coupling Mechanism | Screw |
| Connector Mounting Type | Cable Mount (Free-Hanging) |
| RF Contact Captivation Method | Mechanical |
| Detent | Without |

Dimensions

| | |
|---|--------------|
| RF Connector Mated Outer Diameter (Approximate) | 8 mm[.31 in] |
|---|--------------|

Usage Conditions

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

Operation/Application

| | |
|---------------------|------------|
| Circuit Application | Signal |
| Operating Frequency | 0 – 27 GHz |

Packaging Features

| | |
|--------------------|-----|
| Packaging Quantity | 50 |
| Packaging Method | Bag |

Other

| | |
|---------------------|--------------------------------|
| 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 | Restricted Materials Above Threshold |
| EU REACH Regulation (EC) No. 1907/2006 | Current ECHA Candidate List: JAN 2025 (247) Candidate List Declared Against: JAN 2024 (240) SVHC > Threshold: Pb (4.35% 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 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



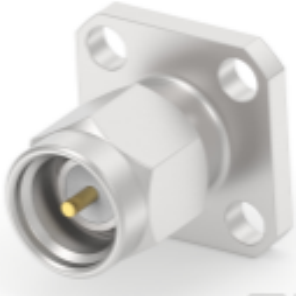
TE Part # 2016748-3
EP-SMA,27GHz,Str,M-M,,141,FLEX, L300




TE Part # 2016748-1
27 GHZ SMA M-M, RG402 FLEX, L100




TE Part # 2016753-1
EP-SMA,27GHZ,STR,M-M,,047,FLEX, L100




TE Part # 2081892-1
EP-SMA,PLUG,STRAIGHT,27GHZ,0.23 MM PIN




TE Part # 2016757-9
EP-SMA,27GHz,STR,M-M,,086,FLEX, L350



TE Part # 2016748-4
EP-SMA,27GHz,Str,M-M,,141,FLEX, L400



TE Part # 2016748-2
EP-SMA,27GHz,Str,M-M,,141,FLEX, L200



TE Part # 2016748-6
EP-SMA,27GHz,Str,M-M,,141,FLEX,L50





TE Part # 2476209-1
SMA Plug to QMA Jack Str 18 GHz



TE Part # 2081886-1
EP-SMA,PLUG,STRAIGHT,27GHZ,141 CABLE



TE Part # 2016753-2
EP-SMA,27GHz,STR,M-M,.047,FLEX, L200



TE Part # 2016753-7
EP-SMA,27GHz,STR,M-M,.047,FLEX, L150



TE Part # 2016748-5
EP-SMA,27GHz,Str,M-M,.141,FLEX, L500



TE Part # 2467918-2
RF TERMINATOR SMA PLUG 18 GHZ SUS GOLD

Customers Also Bought



TE Part #7-215083-6
MICRO-MATCH MOW.06P

Documents

EP-SMA,JACK,STRAIGHT,27GHZ,141 CABLE

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2081887-1_1.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2081887-1_1.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2081887-1_1.3d_stp.zip

English

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

Product Specification

2081887-1

SMA Connector, Jack, 50 ohm, Screw, 0 – 27 GHz, Cable-to-Board, 1 Position, Wire & Cable, Cable Mount (Free-Hanging), -65 – 165 °C [-85 – 329 °F]



English