



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 405 Semi-Rigid**

Features

Product Type Features

Connector Seal & Plug Type	Interface Seal
Connector Product Type	Connector Assembly
RF Interface	SMA
RF Connector Style	Plug
Compatible With RF Cable Type	RG 405 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

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
RF Connector Center Contact Plating Thickness	2.54 μm[100 μin]
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	Cable Mount (Free-Hanging)
RF Contact Captivation Method	Mechanical

Housing Features

Body Orientation	Straight
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Dimensions

Product Length	15.55 mm[.612 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 Range	18 GHz
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Packaging Features

Packaging Method	Package
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Other

Grade	Military
Coupling Nut Base Material	Stainless Steel
Coupling Nut Plating Finish	Passivated
Military Category	B
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	Compliant with Exemptions
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: JUNE 2025 (250) SVHC > Threshold: Pb (.6% in 74020097) 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 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 |

Customers Also Bought



TE Part #ADP-SMAF-SMPF-G
SMA Jack to SMP Jack



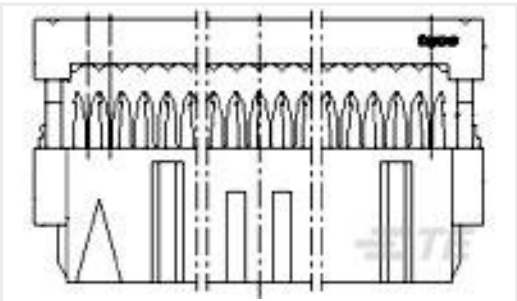
TE Part #CONSMA005
SMA Jack 50 Ohm Cable Crimp



TE Part #66183-1
III+ SKT,SOLDER,30AU,10AU FLAS



TE Part #208717-1
RECEPT ASSY,SZ 14,CMC



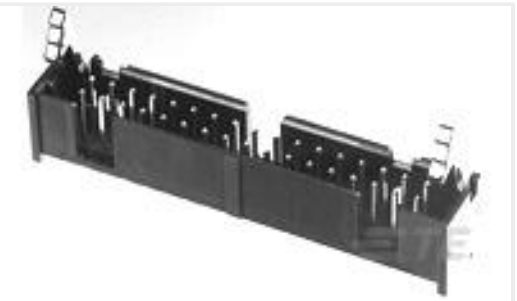
TE Part #2-215911-0
20 WAY BLACK MK II RECP



TE Part #1-1617805-7
TD228-1001S=TDFO 1SEC M83726/28-1001S



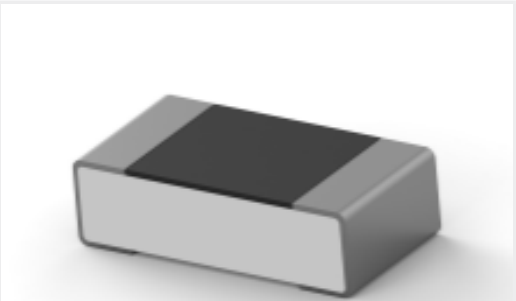
TE Part #1658621-5
24 NOVO MIL/CTR 15DP,LEAD FREE



TE Part #1761606-8
IDC LOW PRO HDR 24P VERT LA



TE Part #1761685-7
IDC LOW PRO HDR 20P VERT SHT LAT



TE Part #3-2176369-9
RQ 0603 100R 0.1% 10PPM 5K RL

Documents

Product Drawings

SMA PLUG .086

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_227868-1_AD.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_227868-1_AD.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_227868-1_AD.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

Instruction Sheets

Instruction Sheet (U.S.)

227868-1

SMA Connector, Plug, 50 ohm, RG 405 Semi-Rigid Compatible With RF Cable Type, Threaded, 18 GHz, 1 Position, Wire & Cable, SMA



English