



Connectors > RF Connectors > Coax Connectors



RF Interface: **SMA**

RF Connector Style: **Plug**

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

Impedance: **50 Ω**

Compatible With RF Cable Type: **RG 316**

Features

Product Type Features

Connector Product Type	Connector Assembly
RF Interface	SMA
RF Connector Style	Plug
Compatible With RF Cable Type	RG 316
Connector System	Cable-to-Board
Sealable	No
Connector & Contact Terminates To	Wire & Cable

Configuration Features

PCB Mount Orientation	Right Angle
Number of Positions	1
Number of Coaxial Contacts	1

Electrical Characteristics

EMI & RFI Protection & Suppression Type	Shielding
Impedance	50 Ω

Body Features

Body Underplating Material	Nickel
Cable Connector Orientation	Right Angle
Body Material	Copper Alloy
Body Material Finish	Plated



Body Plating Material	Gold
-----------------------	------

Contact Features

Ferrule Plating Material	Nickel
Ferrule Material	Copper Alloy
RF Connector Contact Configuration	Captivated Contacts
RF Connector Center Contact Underplating Material	Copper, Nickel
RF Connector Center Contact Plating Material	Gold (Au)
RF Connector Center Contact Material	Brass

Termination Features

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

Mechanical Attachment

RF Connector Coupling Mechanism	Retractable Collar, Snap-Lock
Connector Mounting Type	Cable Mount (Free-Hanging)
RF Contact Captivation Method	Snap-On

Dimensions

Product Length	27.99 mm[1.101 in]
Profile Height from PCB	12.7 mm[.5 in]
RF Connector Mated Outer Diameter (Approximate)	6.35 mm[.25 in]

Operation/Application

Circuit Application	Signal
Operating Frequency	0 – 6 GHz

Packaging Features

Packaging Quantity	200
Packaging Method	Carton

Other

Coupling Nut Base Material	Beryllium Copper
Coupling Nut Plating Material	Nickel
Dielectric Material	PTFE

Product Compliance

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

EU RoHS Directive 2011/65/EU	Not Yet Reviewed
------------------------------	------------------



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: JAN 2025 (247) Candidate List Declared Against: JUN 2016 (169) SVHC > Threshold: Not Yet Reviewed
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 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.

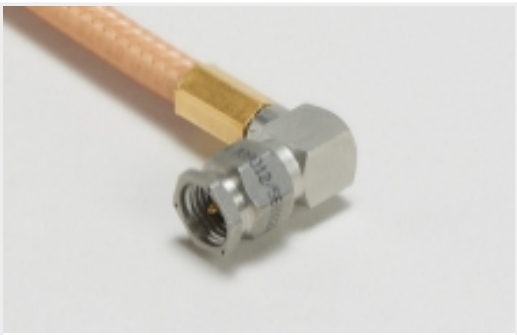
Also in the Series | SMA

Battery Holders(1)

Connector Adapters & Connector Savers(8)

Connector Caps & Covers(3)

Connector Strain Relief(1)



RF Cable Assemblies(2)

Customers Also Bought



TE Part #CAT-D48-ST273  
DEUTSCH Solid Contacts



TE Part #DT04-2P  
REC, 2P, GRY, N



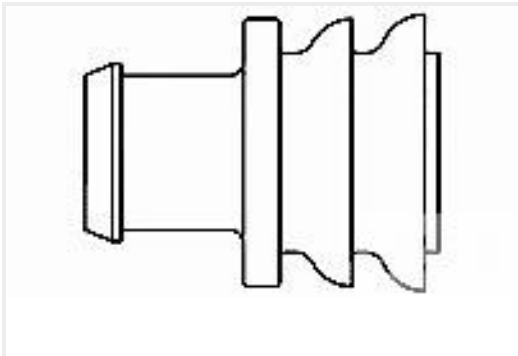
TE Part #DT06-2S  
PLG, 2P, GRY, N



TE Part #CAT-D487-W416  
Wedgelocks: DEUTSCH DT



TE Part #CAT-AM71-CH8172  
AMP SUPERSEAL 1.5MM,  
CONNECTOR HOUSING



TE Part #281934-2  
SINGLE WIRE SEAL



TE Part #114017-ZZ  
SEALING PLUG, SIZE 12/16, WHT

Documents

Product Drawings

PUSH ON SMA CABLE PLUG, R/A

English

CAD Files

Customer View Model

ENG\_CVM\_1274694-1\_B.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_1274694-1\_B.3d\_stp.zip

English

Customer View Model

ENG\_CVM\_1274694-1\_B.2d\_dxf.zip

English

3D PDF

English

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



---

Datasheets & Catalog Pages

SMA Connectors

English

Snap Lock SMA Datasheet 3-1773447-4

English

---

Product Specifications

Product Specification

English

---

Instruction Sheets

Instruction Sheet (U.S.)

English