



Connectors > RF Coax Connectors > RF Connectors



RF Interface: **OSP**

RF Connector Style: **Plug**

RF Connector Mated Outer Diameter (Approximate): **7.62 mm [.3 in]**

Impedance: **50 Ω**

RF Connector Coupling Mechanism: **Push-On**

Features

Product Type Features

RF Interface	OSP
RF Connector Style	Plug
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board
Connector Seal Type	Interfacial Seal

Configuration Features

Number of Positions	1
PCB Mount Orientation	Vertical
Number of Coaxial Contacts	1

Electrical Characteristics

Impedance	50 Ω
-----------	------

Body Features

Body Material	Stainless Steel
Body Material Finish	Plated
Body Plating Material	Gold

Contact Features

RF Connector Center Contact Underplating Material	Copper, Nickel
RF Connector Center Contact Plating Material	Gold



RF Connector Center Contact Material	Brass
--------------------------------------	-------

Termination Features

Termination Method to Printed Circuit Board	Through Hole - Solder
Termination Post & Tail Length	3.99 mm[.157 in]

Mechanical Attachment

RF Connector Coupling Mechanism	Push-On
RF Contact Captivation Method	Mechanical

Dimensions

Pin Diameter	1.27 mm
Terminal Length	3.99 mm[.157 in]
RF Connector Mated Outer Diameter (Approximate)	7.62 mm[.3 in]
Height Above PC Board	8.71 mm[.343 in]

Usage Conditions

Operating Temperature Range	-65 – 125 °C[-85 – 257 °F]
-----------------------------	----------------------------

Operation/Application

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

Packaging Features

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

Other

Gasket Material	Fluorosilicone
Dielectric Material	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	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2021 (211) Candidate List Declared Against: JAN 2018 (181) 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

Wave solder capable to 265°C

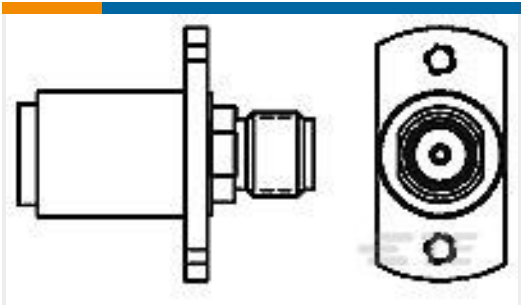
Product Compliance Disclaimer

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>

Compatible Parts



TE Part # 1059412-1
[4504 7985 00](#)



TE Part # 1059738-1
[4584 4025 02](#)

Also in the Series | AMP OSP Miniature Modular



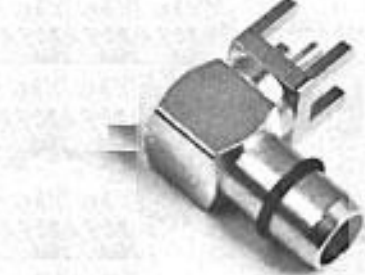
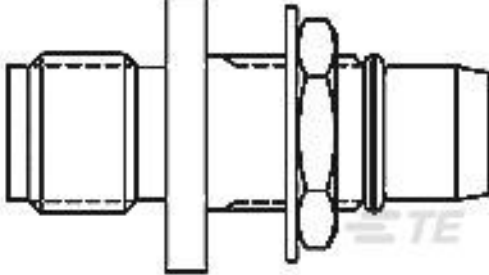
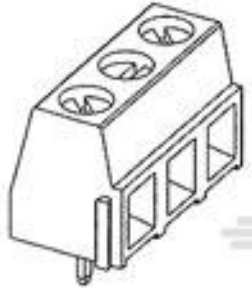
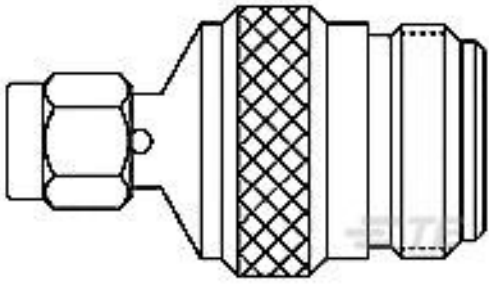
[Between Series Adapters\(4\)](#)



[RF Connectors\(22\)](#)

Customers Also Bought



 TE Part #1-1469492-8 MULTIGIG RT 9MM GUIDE/ESD 315 DEG	 TE Part #1059691-1 4565 0000 00	 TE Part #1059756-1 4585 2240 02	 TE Part #1059566-1 4551 1352 02
 TE Part #1-282837-6 TERMI-BLOK PCB MOUNT 16P.5	 TE Part #1-2176343-4 CRGCQ 1206 120R 1%	 TE Part #1057381-1 3082 2241 00	 TE Part #1-1393771-1 JWD-171-17=REED RELAYS
 TE Part #1059681-1 4562 0000 00	 TE Part #YDTS32F17RV0010000 DTS CAP ASSY, NICKEL, SIZE 17 PLUG		

Documents

Product Drawings

OSP PRINTED CIRCUIT BOARD PLUG RECEPT

English

OSP PRINTED CIRCUIT BOARD PLUG RECEPT

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1059684-1_D.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1059684-1_D.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1059684-1_D.3d_stp.zip

English

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



[Datasheets & Catalog Pages](#)

[Blind Mate Connectors](#)

English

[1-1773725-8_RF_COAX_QRG](#)

English