

1059566-1 ✓ ACTIVE

AMP | AMP OSP Miniature Modular

TE Internal #: 1059566-1

RF Connectors, OSP RF Interface, Plug, 50 Ω , Push-On, 18 GHz

Operating Frequency, 1 Position, Panel Mount, AMP OSP Miniature Modular

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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

Connector Seal Type	Interfacial Seal
RF Interface	OSP
RF Connector Style	Plug
Sealable	No

Configuration Features

Number of Positions	1
Number of Coaxial Contacts	1

Electrical Characteristics

Impedance	50 Ω
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Body Features

Cable Connector Orientation	Straight
Body Material	Stainless Steel
Body Material Finish	Passivated

Contact Features

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

Mechanical Attachment



Panel Attachment Style	Front Mount
Panel Mount Feature Type	Flange
RF Connector Coupling Mechanism	Push-On
Connector Mounting Type	Panel Mount
RF Contact Captivation Method	Mechanical

Dimensions

RF Connector Mated Outer Diameter (Approximate)	7.62 mm[.3 in]
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Usage Conditions

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

Operating Frequency	18 GHz
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Packaging Features

Packaging Method	Package
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Other

Gasket Material	Fluorosilicone
Number of Panel Mounting Holes	2
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: JUNE 2022 (224) Candidate List Declared Against: JAN 2020 (205) SVHC > Threshold: Pb (3.7% 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	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

Also in the Series | AMP OSP Miniature Modular



Between Series Adapters(4)



RF Connectors(22)

Documents

Product Drawings

4551 1352 02

English

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_1059566-1_D_c-1059566-1-d.2d_dxf.zip](#)

English

Customer View Model



[ENG_CVM_CVM_1059566-1_D_c-1059566-1-d.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1059566-1_D_c-1059566-1-d.3d_stp.zip](#)

English

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Datasheets & Catalog Pages

Blind Mate Connectors

English

Products for Aerospace and Defense

English