

1059903-1 ✓ ACTIVE

AMP | AMP OSSP Subminiature Modular

TE Internal #: 1059903-1

RF Connectors, OSSP RF Interface, Plug, 50 Ω , Push-On, 28 GHz

Operating Frequency, 1 Position, Panel Mount, AMP OSSP

Subminiature Modular

[View on TE.com >](#)



Connectors > RF Coax Connectors > RF Connectors



RF Interface: **OSSP**

RF Connector Style: **Plug**

RF Connector Mated Outer Diameter (Approximate): **5.33 mm [.21 in]**

Impedance: **50 Ω**

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

Features

Product Type Features

Connector Seal Type	Interfacial Seal
RF Interface	OSSP
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

Body Material	Stainless Steel
Body Material Finish	Passivated

Contact Features

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

Mechanical Attachment

Panel Attachment Style	Front Mount
RF Connector Coupling Mechanism	Push-On



Connector Mounting Type	Panel Mount
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RF Contact Captivation Method	Epoxy
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Dimensions

Panel Thickness (Recommended)	6.35 mm[.25 in]
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RF Connector Mated Outer Diameter (Approximate)	5.33 mm[.21 in]
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Usage Conditions

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

Operating Frequency	28 GHz
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Packaging Features

Packaging Method	Package
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Other

Dielectric Material	PTFE
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Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Compliant with Exemptions
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EU ELV Directive 2000/53/EC	Compliant with Exemptions
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China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
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EU REACH Regulation (EC) No. 1907/2006	<p>Current ECHA Candidate List: JUNE 2022 (224)</p> <p>Candidate List Declared Against: JUL 2021 (219)</p> <p>SVHC > Threshold:</p> <p>Pb (.6% in Component Part)</p>
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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
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Solder Process Capability	Pin-in-Paste capable to 260°C
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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 | AMP OSSP Subminiature Modular



Between Series Adapters(1)



RF Connectors(3)

Documents

Product Drawings

[4757 5006 02](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_1059903-1_B_c-1059903-1-b.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1059903-1_B_c-1059903-1-b.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1059903-1_B_c-1059903-1-b.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

[Products for Aerospace and Defense](#)

English

Instruction Sheets

[Instruction Sheet \(U.S.\)](#)

English

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RF Connectors, OSSP RF Interface, Plug, 50 Ω , Push-On, 28 GHz Operating Frequency, 1 Position, Panel Mount, AMP OSSP Subminiature Modular



OSSP Panel Feedthrough Plug Receptacle Threaded Installation 1059903-1

English