

1996942-1 ✓ ACTIVE

AMP | AMP OSMM

TE Internal #: 1996942-1

RF Connectors, OSMM RF Interface, Plug, 50 Ω , RG 405 Semi-Rigid, Threaded, 45 GHz Operating Frequency, 1 Position, Wire & Cable, AMP OSMM

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Connectors > RF Coax Connectors > RF Connectors



RF Interface: **OSMM**

RF Connector Style: **Plug**

RF Connector Mated Outer Diameter (Approximate): **5.49 mm [.216 in]**

Impedance: **50 Ω**

Compatible With RF Cable Type: **RG 405 Semi-Rigid**

Features

Product Type Features

Connector Seal Type	O-Ring
RF Interface	OSMM
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

Cable Connector Orientation	Straight
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
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Termination Features

Termination Method to Wire & Cable	Solder
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Mechanical Attachment

RF Connector Coupling Mechanism	Threaded
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RF Contact Captivation Method	Solder
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Dimensions

RF Connector Mated Outer Diameter (Approximate)	5.49 mm[.216 in]
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Usage Conditions

Operating Temperature Range	-65 – 165 °C[-85 – 329 °F]
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Operation/Application

Operating Frequency	45 GHz
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Packaging Features

Packaging Method	Package
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Other

Coupling Nut Plating Material	Gold over Nickel
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Gasket Material	Silicone Rubber
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Coupling Nut Base Material	Stainless Steel
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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: JAN 2021 (211)</p> <p>SVHC > Threshold:</p> <p>Pb (4% in Component)</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
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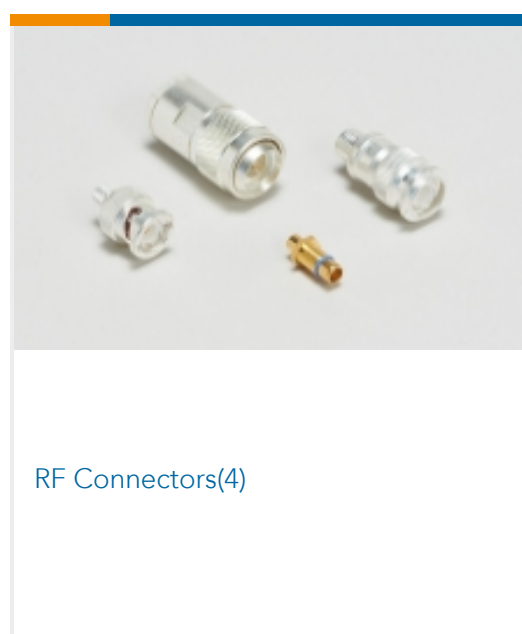
/CFR/PVC Free

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 | **AMP OSMM**

Documents

Product Drawings

OSMM STR CBL PLUG RG405

English

CAD Files

Customer View Model

[ENG_CVM_CVM_1996942-1_A.2d_dxf.zip](#)

English

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_1996942-1_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1996942-1_A.3d_stp.zip](#)

English

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Datasheets & Catalog Pages

[Products for Aerospace and Defense](#)

English

Instruction Sheets

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

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