



AMP

TE Internal #: 1757640-1

RF Connectors, SMPM RF Interface, Plug, 50 Ω, Push-On, 20 GHz
 Operating Frequency, Board-to-Board / Cable-to-Board, 1 Position,
 Printed Circuit Board

[View on TE.com >](#)

Connectors > RF Coax Connectors > RF Connectors



RF Interface: **SMPM**

RF Connector Style: **Plug**

RF Connector Mated Outer Diameter (Approximate): **4.75 mm [.187 in]**

Impedance: **50 Ω**

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

Features

Product Type Features

RF Interface	SMPM
RF Connector Style	Plug
Connector System	Board-to-Board, Cable-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

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

Electrical Characteristics

Impedance	50 Ω
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Body Features

Body Material	Brass
Body Material Finish	Plated
Body Plating Material	Gold

Contact Features

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



RF Connector Center Contact Material	Beryllium Copper
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Termination Features

Termination Method to Printed Circuit Board	Surface Mount
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Mechanical Attachment

Detent Type	Full Detent
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RF Connector Coupling Mechanism	Push-On
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Connector Mounting Type	Board Mount
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RF Contact Captivation Method	Mechanical
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Detent	With
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Dimensions

Profile Height from PCB	1.91 mm[.075 in]
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RF Connector Mated Outer Diameter (Approximate)	4.75 mm[.187 in]
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Usage Conditions

Operating Temperature Range	-55 – 125 °C[-67 – 257 °F]
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Operation/Application

Operating Frequency	20 GHz
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Circuit Application	Signal
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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: JAN 2019 (197)</p> <p>SVHC > Threshold:</p> <p>Pb (4% in Contact/Component)</p> <p>Article Safe Usage Statements:</p>
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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

Not Yet Reviewed for halogen content

Solder Process Capability

Reflow solder capable to 260°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>

Documents

Product Drawings

SMPM MALE, PCB EDGE MOUNT, FULL DETENT

English

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_1757640-1_C_c-1757640-1-c.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1757640-1_C_c-1757640-1-c.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1757640-1_C_c-1757640-1-c.3d_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

Products for Aerospace and Defense

English

Product Specifications

Application Specification

English