

3-1478978-1 ✓ ACTIVE



AMP SMA

TE Internal #: 3-1478978-1

SMA RF Interface, Receptacle, 50 Ω , Screw, 6 GHz Operating Frequency, Cable-to-Board, 1 Position, Printed Circuit Board, Board Mount, AMP SMA

[View on TE.com >](#)

Connectors > RF Connectors > Coax Connectors



RF Interface: **SMA**

RF Connector Style: **Receptacle**

RF Connector Mated Outer Diameter (Approximate): **6.35 mm [.25 in]**

Impedance: **50 Ω**

RF Connector Coupling Mechanism: **Screw**

Features

Product Type Features

Connector Product Type	Connector Assembly
RF Interface	SMA
RF Connector Style	Receptacle
Connector System	Cable-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

PCB Mount Orientation	Right Angle
Number of Positions	1
Number of Coaxial Contacts	1

Electrical Characteristics

Impedance	50 Ω
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Body Features

Body Material	Brass
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Body Plating Material	Gold
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Contact Features

RF Connector Center Contact Underplating Material	Copper
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RF Connector Contact Configuration	Not Captivated
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RF Connector Center Contact Plating Material	Gold
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RF Connector Center Contact Material	Phosphor Bronze
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Termination Features

Termination Post & Tail Length	3.4 mm[.133 in]
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Termination Method to Printed Circuit Board	Through Hole - Solder
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Mechanical Attachment

RF Connector Coupling Mechanism	Screw
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Connector Mounting Type	Board Mount
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RF Contact Captivation Method	Mechanical
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Detent	Without
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Dimensions

Profile Height from PCB	10.1 mm[.397 in]
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Product Length	13.5 mm[.532 in]
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RF Connector Mated Outer Diameter (Approximate)	6.35 mm[.25 in]
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Usage Conditions

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

Operating Frequency	6 GHz
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Packaging Features

Packaging Quantity	30
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Packaging Method	Bag
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Other

Grade	Commercial
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Dielectric Material	Delrin
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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
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	<p>Current ECHA Candidate List: JUNE 2023 (235)</p> <p>Candidate List Declared Against: JUNE 2023 (235)</p> <p>SVHC > Threshold: Pb (3.6% in Component Part)</p> <p>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.</p>
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



Also in the Series | **AMP SMA**



Battery Holders(1)



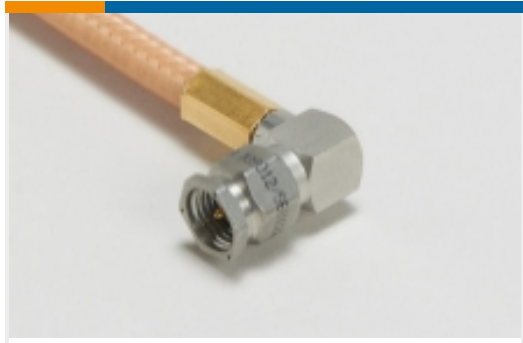
Coax Connectors(296)



Connector Savers & Adapters(12)



Rack & Panel Ferrules & Inserts(1)



RF Cable Assemblies(2)



RF Connector Hardware(2)



RF Connector Launchers(8)



RF Connector Shrouds(3)

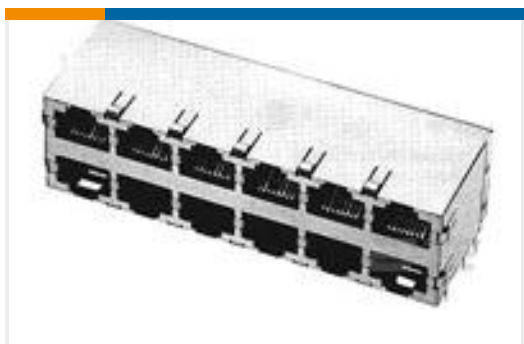


RF Terminators(1)

Customers Also Bought



TE Part #1-1618241-9
K81AB47=RELAY, VACUUM, SPST-NO



TE Part #1734715-2
RJ45,MULTI-PORT,2x4,T/H,SHEILDED.



TE Part #6-1879208-3
CPF 0402 3K9 0.1% 25PPM 1K RL



TE Part #1676356-2
RN 0805 4K22 0.1% 10PPM 1KRL



TE Part #1676419-3
RN 0805 6K98 0.1% 10PPM 5KRL



TE Part #9-2176381-6
RQ 0805 121K 0.1% 10PPM 5K RL



TE Part #2-1355154-1
MQS STIFTWANNE 18P



TE Part #225456-E
M12 M 5 A L90H T * 301 * 188 * * Y * 000

Documents



CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_3-1478978-1_F.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_3-1478978-1_F.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_3-1478978-1_F.3d_stp.zip](#)

English

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Product Environmental Compliance

Product Compliance Document

English

Product Compliance Document

English