



AMP | SMA

TE Internal #: 1-1478979-0

SMA Connector, Jack, 50 ohm, Threaded, 27 GHz, Cable-to-Board, 1 Position, Printed Circuit Board, Board Mount, -65 – 165 °C [-85 – 329 °F], SMA

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Connectors > RF Connectors > Coax Connectors



RF Interface: **SMA**

RF Connector Style: **Jack**

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

Impedance: **50 Ω**

RF Connector Coupling Mechanism: **Threaded**

Features

Product Type Features

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

Configuration Features

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

Electrical Characteristics

Impedance	50 Ω
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Body Features

Body Material	Stainless Steel
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Body Material Finish	Plated
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Body Plating Material	Gold
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Contact Features

RF Connector Contact Configuration	Not Captivated
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RF Connector Center Contact Underplating Material	Copper
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RF Connector Center Contact Plating Material	Gold (Au)
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RF Connector Center Contact Material	Beryllium Copper
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Termination Features

Termination Method to PCB	Through Hole - Solder
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Termination Post & Tail Length	3.5 mm[.137 in]
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Mechanical Attachment

RF Connector Coupling Mechanism	Threaded
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Connector Mounting Type	Board Mount
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Detent	Without
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Dimensions

Product Length	13 mm[.512 in]
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Profile Height from PCB	9.5 mm[.37 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 Range	27 GHz
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Packaging Features

Packaging Quantity	100
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Packaging Method	Bag
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Other

Grade	Professional
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Dielectric Material	Polytetrafluoroethylene (PTFE)
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Product Compliance

For compliance documentation, visit the product page on [TE.com](https://www.te.com)>

EU RoHS Directive 2011/65/EU	Compliant with Exemptions
EU ELV Directive 2000/53/EC	Out of Scope
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 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does not contain REACH SVHC
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 # 1-1478915-0
SMA STR PLG C/CRMP RG58 GSS



TE Part # 1-1478912-0
SMA R/A PLG S/CLMP RG174 GSS



TE Part # 2-1478921-0
SMA STR PLG M/CRMP RG55 PSS



TE Part # 1-1478923-0
SMA R/A PLG S/CRMP RG58 GSS



TE Part # 1-1478924-0
SMA R/A PLG S/CRMP RG174 GSS



TE Part # 1-1478907-0
SMA STR PLG S/CLMP RG58 GSS



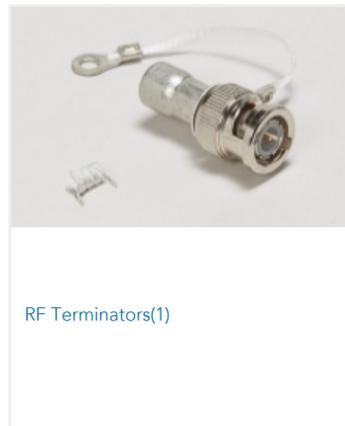
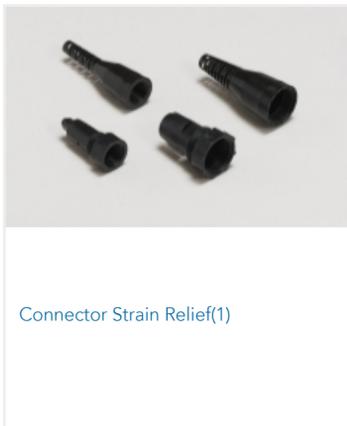
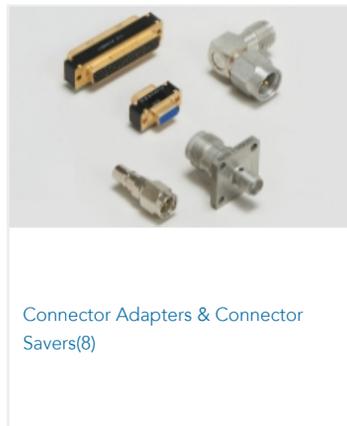
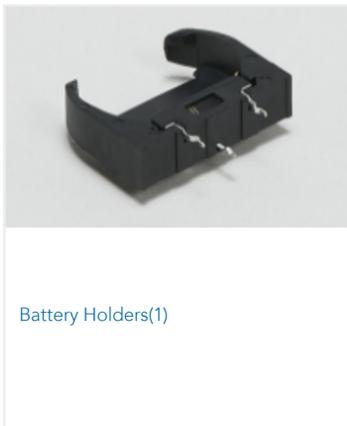
TE Part # 2-1478922-0
SMA STR PLG M/CRMP RD316 PSS



TE Part # 1-1478916-0
SMA STR PLG C/CRMP RG174 GSS



Also in the Series | SMA



Customers Also Bought





Documents

Product Drawings

[SMA STR PCB SKT GSS](#)

English

CAD Files

Customer View Model

[ENG_CVM_CVM_1-1478979-0_B.2d_dxf.zip](#)

English

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_1-1478979-0_B.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-1478979-0_B.3d_stp.zip](#)

English

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