



AMP SMA

TE Internal #: 1-1478903-0

RF Connectors, SMA RF Interface, Plug, 50 Ω, RG 402, Screw, 18 GHz Operating Frequency, Cable-to-Board, 1 Position, Sealable, Wire & Cable, AMP SMA

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Connectors > RF Coax Connectors > RF Connectors



RF Interface: **SMA**

RF Connector Style: **Plug**

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

Impedance: **50 Ω**

Compatible With RF Cable Type: **RG 402**

Features

Product Type Features

Connector Product Type	Connector Assembly
Connector Seal Type	Gasket
RF Interface	SMA
RF Connector Style	Plug
Compatible With RF Cable Type	RG 402
Connector System	Cable-to-Board
Sealable	Yes
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 Plating Material	Gold

Contact Features



RF Connector Center Contact Underplating Material	Copper
RF Connector Contact Configuration	Not Captivated
RF Connector Center Contact Plating Material	Gold
RF Connector Center Contact Material	Brass

Termination Features

Termination Method to Wire & Cable	Solder
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Mechanical Attachment

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

Dimensions

Product Length	11.2 mm[.442 in]
RF Connector Mated Outer Diameter (Approximate)	6.35 mm[.25 in]

Usage Conditions

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

Operating Frequency	18 GHz
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Packaging Features

Packaging Quantity	100
Packaging Method	Box

Other

Coupling Nut Plating Material	Gold
Gasket Material	Silicone Rubber
Coupling Nut Base Material	Stainless Steel
Grade	Professional
Dielectric Material	PTFE

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

Current ECHA Candidate List: JUNE 2022 (224)

Candidate List Declared Against: JUNE 2022 (224)

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 # 1-1478963-0
SMA PNL SKT RCPT, 2/FLNG GSS



TE Part # 1-1478979-0
SMA STR PCB SKT GSS



TE Part # 1-1478966-0
SMA B/HD SKT RCPT GSS



TE Part # 1-1478968-0
SMA PNL SKT LNCH STUB 4/FLNG GSS NCC



TE Part # 1-1478988-0
SMA B/HD JK DS RG405 GSS



TE Part # 1-1478978-0
SMA R/A PCB SKT GSS



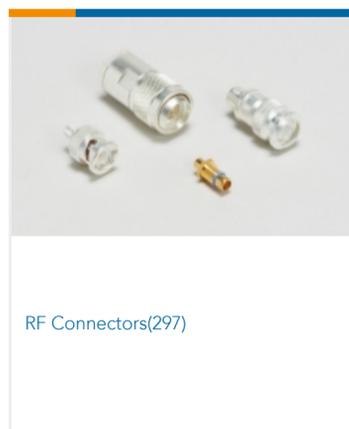
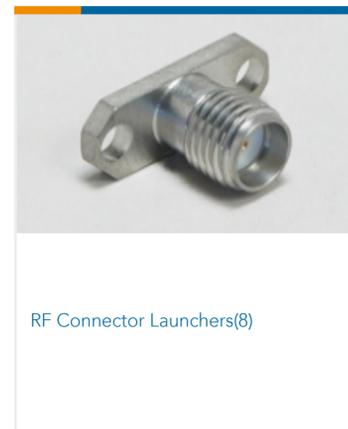
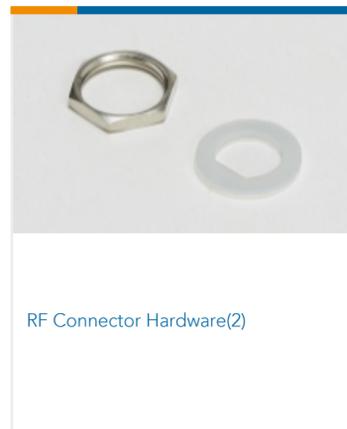
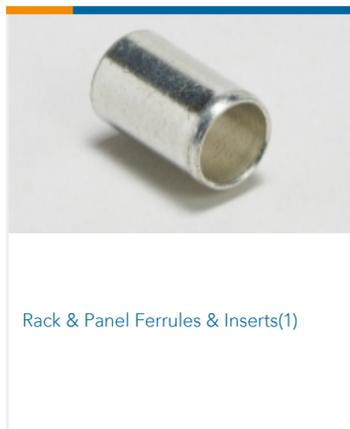
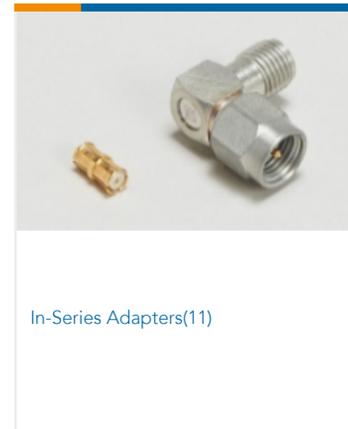
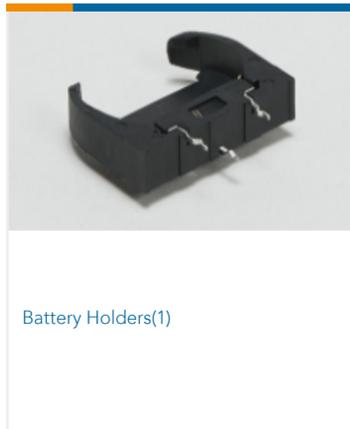
TE Part # 2-1478966-0
SMA B/HD SKT RCPT PSS



TE Part # 2-1478968-0
SMA PNL SKT LNCH STUB 4/FLNG PSS NCC



Also in the Series | **AMP SMA**



Documents

Product Drawings

SMA STR PLG DS RG402 GSS

English

Instruction Sheets

Instruction Sheet (U.S.)

English

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[OSM Straight Cable Plug Direct Solder Attachment 1311057-1, 1050524-1, 1050525-1, 1313537-1, 1044533-1, 1327520-1, 1313725-1, and 1222331-1](#)

English