



Connectors > RF Coax Connectors > RF Connectors



RF Interface: **SMA**

RF Connector Style: **Plug**

RF Connector Mated Outer Diameter (Approximate): **8.99 mm [.354 in]**

Impedance: **50 Ω**

Compatible With RF Cable Type: **RG 174, RG 188, RG 188A, RG 316**

Features

Product Type Features

Connector Product Type	Connector Assembly
RF Interface	SMA
RF Connector Style	Plug
Compatible With RF Cable Type	RG 174, RG 188, RG 188A, RG 316
Connector & Contact Terminates To	Wire & Cable
Connector Seal Type	Interfacial Seal

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	Right Angle
Body Material	Stainless Steel
Body Material Finish	Plated
Body Plating Material	Gold

Contact Features

RF Connector Center Contact Underplating Material	Nickel
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RF Connector Contact Configuration	Captivated Contacts
Ferrule Material	Brass, Copper
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

Mating Retention Type	Safety Wire Holes
RF Connector Coupling Mechanism	Threaded
Connector Mounting Type	Cable Mount (Free-Hanging)
RF Contact Captivation Method	Mechanical

Dimensions

Product Length	16.9 mm[.665 in]
RF Connector Mated Outer Diameter (Approximate)	8.99 mm[.354 in]

Usage Conditions

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

Operating Frequency	12.4 GHz
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Packaging Features

Packaging Method	Package
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Other

Gasket Material	Silicone Rubber
Coupling Nut Base Material	Stainless Steel
Military Category	A
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: JAN 2021 (211)
Candidate List Declared Against: JAN 2019 (197)
SVHC > Threshold:
Not Yet Reviewed

Halogen Content	Not Yet Reviewed for halogen content
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 Regulations, TE’s information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) ‘Guidance on requirements for substances in articles’(Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of ‘complex object’, the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA “Guidance on requirements for substances in articles” (June 2017, version 4.0) and will be updating its statements accordingly.

Compatible Parts



TE Part # 1053372-1
2062 8001 90,OSM JACK, QPL

Also in the Series | AMP SMA



Battery Holders(1)



Between Series Adapters(3)



Coax Contacts(1)



Coax Terminators(1)



In-Series Adapters(35)	Rack & Panel Ferrules & Inserts(1)	RF Cable Assemblies(2)	RF Connector Hardware(2)
RF Connector Launchers(13)	RF Connector Shrouds(10)	RF Connectors(527)	

Customers Also Bought

TE Part #211669-4 HD 90 44 POS GMT ASY REC HSG	TE Part #YDTS26W21-41PAC001 D38999: Straight Plug, 21-41 Insert	TE Part #1-1490413-4 NEST, 90 DEG SOLISTRAND, 8	TE Part #1958520-4 STRATO-THERM, HR 8 10 NIPL, 60 BEND
TE Part #1958523-4 STRATO, R, HR, 6, M6(1/4), NIPL, 60 BEND	TE Part #CN2030-000 44A1322-22-9/96-9	TE Part #YACT20JH55SAC00100 SQUARE FLANGE RECEPTACLE	TE Part #YACT20JJ35SBC00100 SQUARE FLANGE RECEPTACLE

Documents

Product Drawings
2037 8007 92

English

Datasheets & Catalog Pages
Products for Aerospace and Defense

English

Instruction Sheets

1052151-1

AMP SMA, RF Connectors, SMA RF Interface, Plug, RF Connector Mated Outer
Diameter (Approximate) .354 in [8.99 mm], 50 Ω



Instruction Sheet (U.S.)

English