1051782-1 ✔ ACTIVE

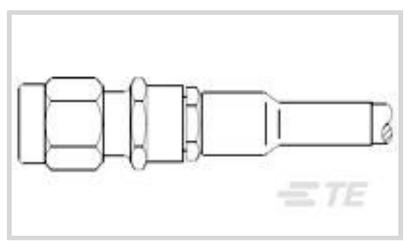
AMP | AMP SMA

TE Internal #: 1051782-1

RF Connectors, SMA RF Interface, Plug, 50 Ω, RG 188, Threaded, 12.4 GHz Operating Frequency, 1 Position, Wire & Cable, AMP SMA

View on TE.com >

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 188**

Features

Product Type Features

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

Configuration Features

Number of Positions	1
Number of Coaxial Contacts	1

Electrical Characteristics

Impedance	50 Ω

Body Features

Cable Connector Orientation	Straight
Body Material	Stainless Steel
Body Material Finish	Passivated

Contact Features

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

Ferrule Plating Material	Gold
Ferrule Material	Copper Alloy
RF Connector Center Contact Plating Material	Gold
RF Connector Center Contact Material	Copper Alloy

Termination Features

Termination Method to Wire & Cable	Crimp

Mechanical Attachment

RF Connector Coupling Mechanism	Threaded
Connector Mounting Type	Cable Mount (Free-Hanging)
RF Contact Captivation Method	Mechanical

Dimensions

Product Length	24.4 mm[.961 in]
RF Connector Mated Outer Diameter (Approximate)	8.99 mm[.354 in]

Usage Conditions

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

Operation/Application

Operating Frequency	12.4 GHz

Packaging Features

Packaging Method	Package

Other

Coupling Nut Plating Finish	Passivated
Coupling Nut Base Material	Stainless Steel
Military Category	C
Grade	Military
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: JAN 2019 (197) SVHC > Threshold: Pb (3.7% in Component Part) **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.
Halogen Content	BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.
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 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 # 1053372-1
2062 8001 90,OSM JACK, QPL

Also in the Series | AMP SMA

Battery Holders(1)

Between Series Adapters(1)

Coax Terminators(1)

In-Series Adapters(11)

Rack & Panel Ferrules & Inserts(1)

RF Cable Assemblies(2)

RF Connector Hardware(2)

RF Connector Launchers(8)

RF Connector Shrouds(3)

RF Connectors(297)

Documents

Product Drawings

SMA CABLE PLUG 2031 8026 92

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1051782-1_F.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1051782-1_F.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1051782-1_F.3d_stp.zip

English

Datasheets & Catalog Pages

Products for Aerospace and Defense

English

Instruction Sheets

Instruction Sheet (U.S.)

English