1050524-1 ✔ ACTIVE

AMP SMA

TE Internal #: 1050524-1

RF Connectors, SMA RF Interface, Plug, 50 Ω, RG 402 Semi-Rigid, Threaded, 18 GHz Operating Frequency, Cable-to-Cable, 1 Position, Sealable, 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 Semi-Rigid**

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 Semi-Rigid
Connector System	Cable-to-Cable
Sealable	Yes
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 Plating Material	Gold

Contact Features

RF Connector Center Contact Underplating Material	Copper, Nickel
RF Connector Center Contact Plating Material	Gold
RF Connector Center Contact Material	Beryllium Copper

Termination Features

Termination Method to Wire & Cable	Solder

Mechanical Attachment

RF Connector Coupling Mechanism	Threaded
Connector Mounting Type	Cable Mount (Free-Hanging)
RF Contact Captivation Method	Mechanical
Detent	Without

Dimensions

Product Length	11.18 mm[.44 in]
RF Connector Mated Outer Diameter (Approximate)	6.35 mm[.25 in]

Usage Conditions

Operating Temperature Range	-65 – 125 °C[-85 – 257 °F]

Operation/Application

Operating Frequency	18 GHz

Packaging Features

Packaging Method	Carton

Other

Coupling Nut Plating Material	Gold
Gasket Material	Silicone Rubber
Coupling Nut Base Material	Stainless Steel
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) 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 # 1050547-1
2001 5032 00

TE Part # 1050548-1
2001 5032 02

TE Part # 6274096-1
JACK ASSEMBLY, ACTION PIN, SMA

TE Part # 1052422-1
2052 0000 02,SMA FM JACK RECPT

TE Part # 1053354-1
2062 0000 00,SMA PCB VERT JACK

TE Part # 1050859-1
2002 5016 00

TE Part # 1052098-1
2037 5100 02

TE Part # 1053635-1
2081 0000 02

TE Part # 2016682-2
RF CA,UMCC1 TO SMA JACK,1.13MM, L100MM

TE Part # 2016682-4
RF CA,UMCC1 TO SMA JACK,1.13MM, L200MM

TE Part # 2016694-2
RF CA,UMCC4 TO SMA JACK,1.13MM, L100MM

TE Part # 2081570-1
2.92MM JACK 2 HOLE FLANGE RECEPTACLE

TE Part # 2081570-2
2.92MM JACK 2 HOLE FLANGE RECEPTACLE

TE Part # 2081005-1
ASSY. SMA JACK PCB EDGE MOUNT

TE Part # 1051643-3
SMA STRAIGHT PLUG CABLE END

TE Part # 1052633-1
2052 3356 00

TE Part # 1053438-1
2068 5156 00

TE Part # 1253729-1
2837 7316 00

TE Part # 2016694-4
RF CA,UMCC4 TO SMA JACK,1.13MM, L200MM

TE Part # 1052566-1
2052 1618 02,SMA FM JACK RECPT

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

2001 5003 00,SMA CABLE PLUG

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1050524-1_B_c-1050524-1-b.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1050524-1_B_c-1050524-1-b.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1050524-1_B_c-1050524-1-b.3d_stp.zip

English

By downloading the CAD file I accept and agree to the Terms and Conditions of use.

Datasheets & Catalog Pages

SMA Connectors

English

Instruction Sheets

Instruction Sheet (U.S.)

English

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