

1050524-1 ✓ ACTIVE



AMP SMA

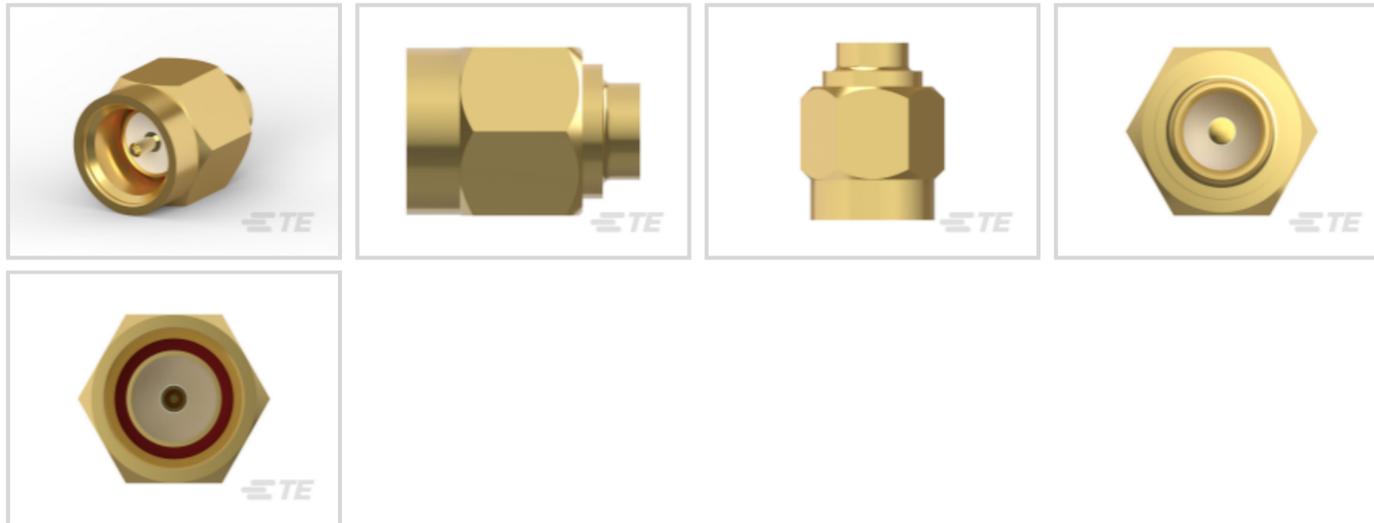
TE Internal #: 1050524-1

AMP SMA, RF Connectors, SMA RF Interface, Plug, RF Connector

Mated Outer Diameter (Approximate) .25 in [6.35 mm], 50 Ω

[View on TE.com >](#)

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
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
Connector Seal Type	Gasket

Configuration Features

Number of Positions	1
Number of Coaxial Contacts	1

Electrical Characteristics

Impedance	50 Ω
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Body Features

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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
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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]
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Operation/Application

Operating Frequency	18 GHz
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Packaging Features

Packaging Method	Carton
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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
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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 2020 (205) Candidate List Declared Against: JAN 2020 (205) Pb (3.7% in Component Part)
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2020 (205) Candidate List Declared Against: JAN 2020 (205)
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 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

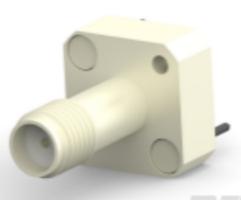





TE Model / Part # 1052534-1
2052 1300 02



TE Model / Part # 1051639-1
2031 5002 02



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



TE Model / Part # 1050740-1
2001 7641 02



TE Model / Part # 1050542-1
2001 5031 02



TE Model / Part # 1053635-1
2081 0000 02



TE Model / Part # 1051933-1
2034 5005 00



TE Model / Part # 1053489-1
2080 0000 02



TE Model / Part # 1055047-1
2087 1230 02



TE Model / Part # 1055064-1
2088 0000 00



TE Model / Part # 6053226-1
2058 5119 00, SMA



TE Model / Part # 1051654-1
2031 5006 00 KIT, OSM STR PLUG



TE Model / Part # 1050854-1
2002 5015 00



TE Model / Part # 1053222-1
2058 5029 02



TE Model / Part # 1056227-1
2701 7941 00



TE Model / Part # 1053514-1
2080 5055 02

Also in the Series | AMP SMA



Battery Holders(1)



Between Series Adapters(4)



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(528)

Customers Also Bought



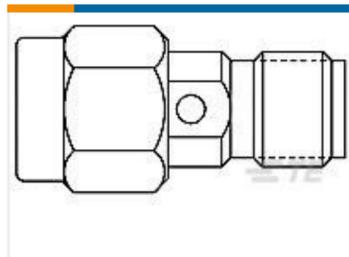
TE Model / Part #1532215-1
M83513/01-GN, MCKS-N1-B-51PS



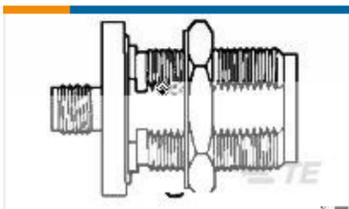
TE Model / Part #1050854-1
2002 5015 00



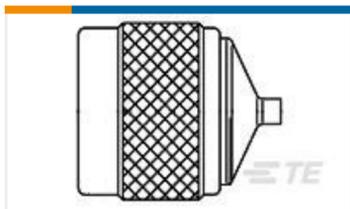
TE Model / Part #1057343-1
3080 2242 00



TE Model / Part #1054426-1
2082 5133 02



TE Model / Part #1057463-1
3084 2240 00



TE Model / Part #1057088-1
3001 7941 00



TE Model / Part #1055069-1
2088 1230 00



TE Model / Part #1054868-1
2084 0000 00



TE Model / Part #1051013-1
2004 7941 00



TE Model / Part #1058117-1
3284 2240 00

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

Product Environmental Compliance

REACH Substance Communication Document

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