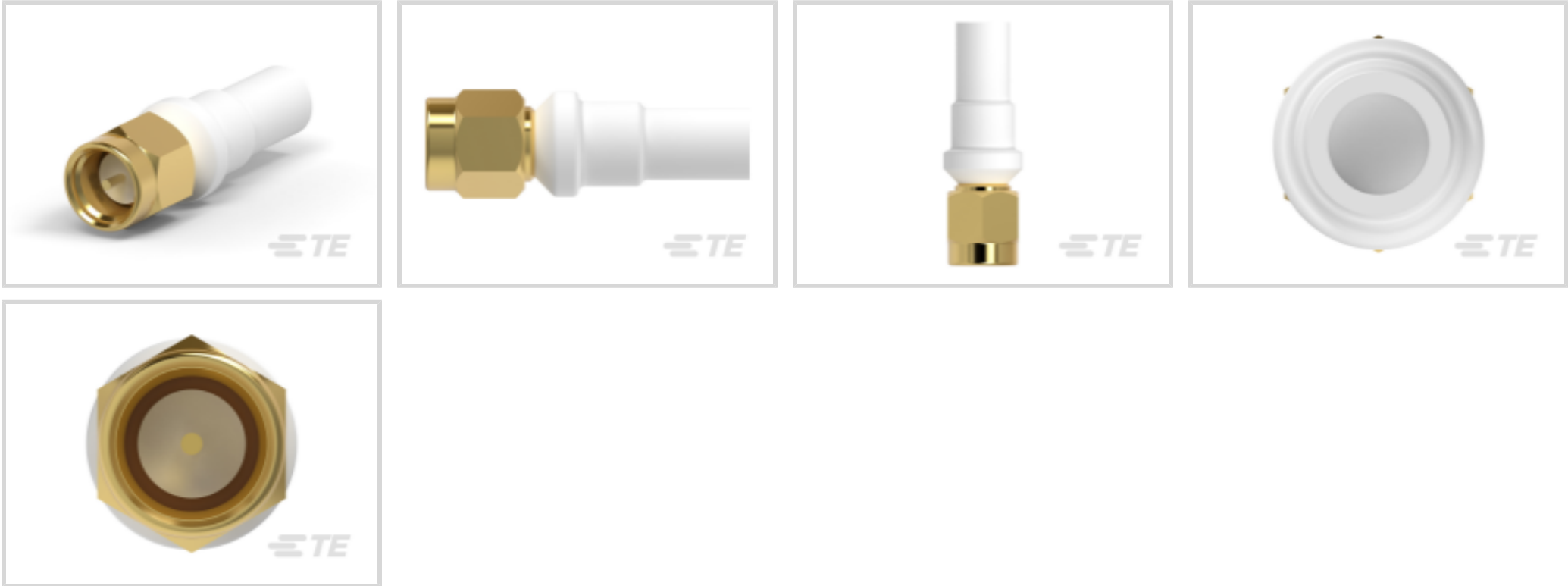




Connectors > RF Coax Connectors > RF Connectors



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 142**

Features

Product Type Features

Connector Product Type	Connector Assembly
RF Interface	SMA
RF Connector Style	Plug
Compatible With RF Cable Type	RG 142
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 Contact Configuration	Not Captivated
Crimp Type	Hex
Ferrule Material	Copper
RF Connector Center Contact Plating Material	Gold
RF Connector Center Contact Material	Beryllium Copper

Termination Features

Termination Method to Wire & Cable	Crimp
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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	30.15 mm[1.187 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	12.4 GHz
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Packaging Features

Packaging Method	Bag
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Other

Coupling Nut Plating Material	Gold over Nickel
Coupling Nut Base Material	Stainless Steel
Additional Features	Shrink Tubing
Dielectric Material	TFE Fluorocarbon



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: JUN 2020 (209) 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 # 1051644-1
2031 5003 02



TE Part # 1055070-1
2088 1230 02



TE Part # 1054874-1
2084 1100 00



TE Part # 221789-1
JACK,PCB,SERIES SMA



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

TE Part # 1053221-1
2058 5029 00

TE Part # 1054426-1
2082 5133 02

TE Part # 221790-1
JACK,RIGHT ANGLE,PCB,SMA

TE Part # 1054868-1
2084 0000 00

TE Part # 1053072-1
2056 0000 00

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 # 1053378-1
2064 0000 00

TE Part # 1056443-1
2831 7388 02

TE Part # 1050525-1
2001 5003 02,SMA CABLE PLUG

TE Part # 1052639-1
2052 3357 02

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

TE Part # 1050611-1
2001 5443 02

TE Part # 1050740-1
2001 7641 02

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 #1056443-1
2831 7388 02

TE Part #104257-6
07 MTE RCPT HSG SR LATCH .100

TE Part #100503L
CONT SOC ASSY

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

TE Part #1052551-1
2052 1352 00,SMA FM JACK RECPT

TE Part #1052455-1
2052 0435 00

TE Part #YDTS26W09-35SNV001
D38999: Straight Plug, 09-35 Insert

TE Part #1056462-1
2837 7388 02

TE Part #1052071-1
2037 5007 00,SMA RA CABLE PLUG

TE Part #1052075-1
2037 5008 00,SMA RA CABLE PLUG

Documents



Product Drawings

2031 5005 00

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1051650-1_B.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1051650-1_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1051650-1_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 Crimp Attachment 1311063-1, 1051650-1, and 1051651-1

English