



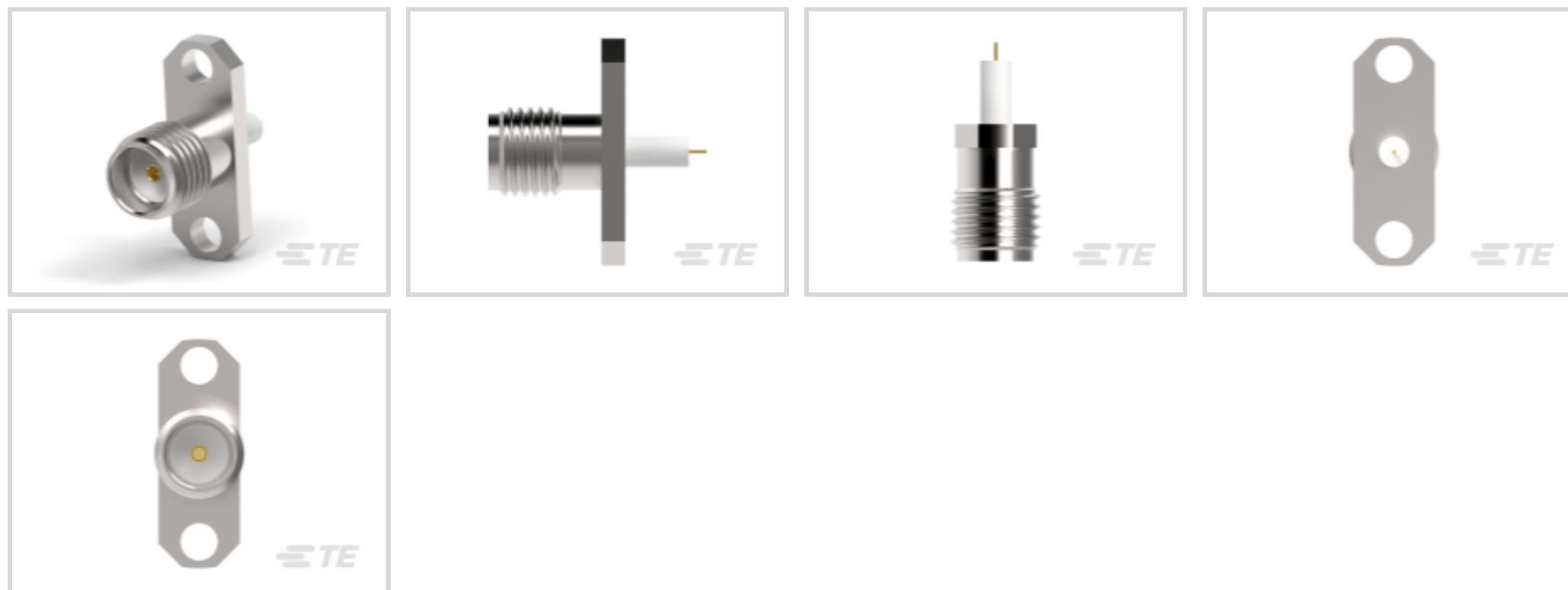
AMP SMA

TE Internal #: 1052902-1

RF Connectors, SMA RF Interface, Jack, 50 Ω, Threaded, 18 GHz Operating Frequency, Cable-to-Panel, 1 Position, Panel Mount, AMP SMA

[View on TE.com >](#)

Connectors > RF Coax Connectors > RF Connectors



RF Interface: **SMA**

RF Connector Style: **Jack**

RF Connector Mated Outer Diameter (Approximate): **6.35 mm [.25 in]**

Impedance: **50 Ω**

RF Connector Coupling Mechanism: **Threaded**

Features

Product Type Features

Connector Product Type	Connector Assembly
RF Interface	SMA
RF Connector Style	Jack
Connector System	Cable-to-Panel
Sealable	No

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	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
RF Connector Center Contact Plating Material	Gold
RF Connector Center Contact Material	Beryllium Copper

Mechanical Attachment

Panel Attachment Style	Rear Mount
Panel Mount Feature Type	Flange
RF Connector Coupling Mechanism	Threaded
Connector Mounting Type	Panel Mount
RF Contact Captivation Method	Epoxy
Detent	Without

Dimensions

Product Length	9.53 mm[.375 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	Bag
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Other

RF Connector Comment	Used for Microstrip Transmission Line Circuits
Number of Panel Mounting Holes	2
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: JUNE 2022 (224)

Candidate List Declared Against: JUL 2021 (219)

SVHC > Threshold:

Pb (.6% 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

Low Bromine/Chlorine - Br and Cl < 900 ppm per homogenous material. Also BFR /CFR/PVC Free

Solder Process Capability

Pin-in-Paste capable to 260°C

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 # 1050524-1
2001 5003 00, SMA CABLE PLUG



TE Part # 1050859-1
2002 5016 00



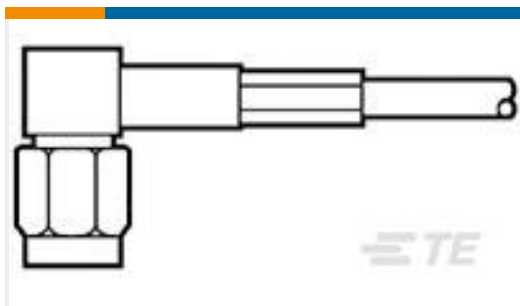
TE Part # 1052098-1
2037 5100 02



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



TE Part # 1408541-1
PUSH ON SMA CABLE PLUG



TE Part # 1-447651-0
PLUG R/A,SMA,HEX CRIMP COMM



TE Part # 1050999-3
SMA S/T JACK RG195 CABLE,CRIMP END



TE Part # 1051643-3
SMA STRAIGHT PLUG CABLE END



TE Part # 1051933-3
OSM STRAIGHT JACK



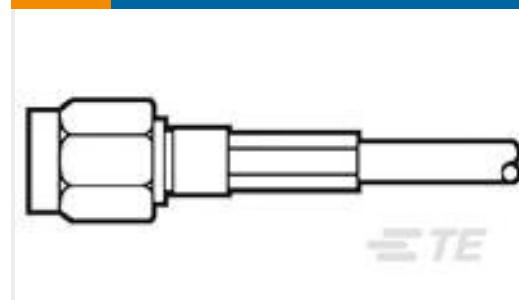
TE Part # 1052633-1
2052 3356 00



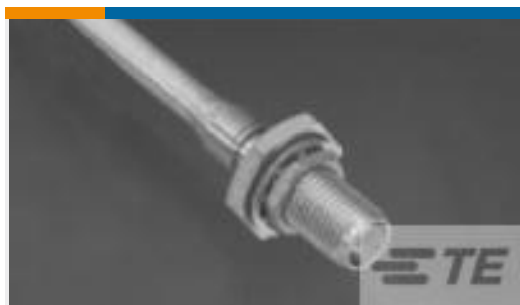
TE Part # 1253729-1
2837 7316 00



TE Part # 1408442-3
SMA STRAIGHT PLUG CABLE END



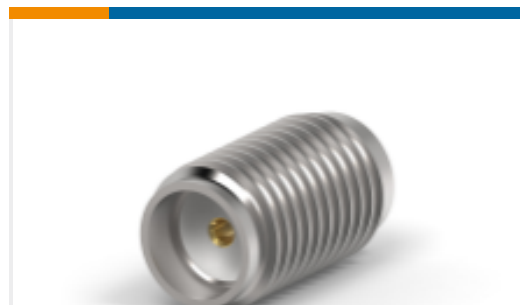
TE Part # 6082034-1
2231 7388 36



TE Part # 6086274-1
2234 7388 36



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



TE Part # 1053265-1
2058 5329 02

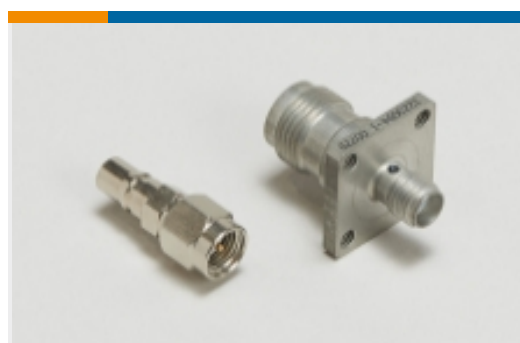


TE Part # 1056462-1
2837 7388 02

Also in the Series | AMP SMA



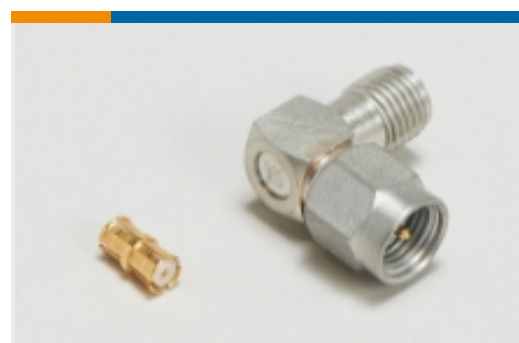
Battery Holders(1)



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

[2052 5674 02](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_1052902-1_B.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1052902-1_B.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1052902-1_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