1052098-1 ✔ ACTIVE

AMP | SMA

TE Internal #: 1052098-1

SMA Connector, Plug, 50 ohm, Threaded, 18 GHz, Cable-to-Cable, 1 Position, Sealable, Wire & Cable, Cable Mount (Free-Hanging), SMA

View on TE.com >

Connectors > RF Connectors > Coax Connectors







RF Interface: **SMA**

RF Connector Style: **Plug**

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

Impedance: **50 Ω**

RF Connector Coupling Mechanism: **Threaded**

Features

Product Type Features

Connector Seal & Plug Type	Gasket
Connector Product Type	Connector Assembly
RF Interface	SMA
RF Connector Style	Plug
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

Body Material	Stainless Steel

Body Material Finish	Passivated

Contact Features

Crimp Type	Hexagonal Crimping
RF Connector Contact Configuration	Captivated
RF Connector Center Contact Underplating Material	Copper, Nickel
Ferrule Material	Copper
RF Connector Center Contact Plating Material	Gold (Au)
RF Connector Center Contact Material	Beryllium Copper

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	Epoxy
Detent	Without

Housing Features

Body Orientation	Right Angle

Dimensions

Product Length	16.9 mm[.665 in]
RF Connector Mated Outer Diameter (Approximate)	6.35 mm[.25 in]

Usage Conditions

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

Operation/Application

Operating Frequency Range	18 GHz

Packaging Features

Packaging Method	Carton

Other

Additional Features	Shrink Tubing
Coupling Nut Base Material	Stainless Steel
Coupling Nut Plating Finish	Passivated
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	有害物质含量超出标准 Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2024 (241) 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

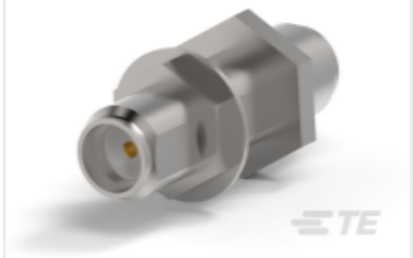
Product Compliance Disclaimer

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 # 1053265-2
2058 5329 02



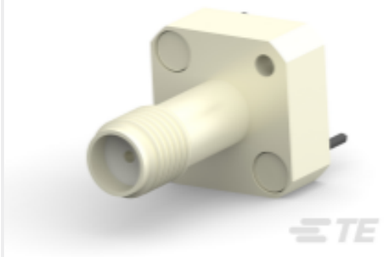
TE Part # 1054869-4
2084 0000 02



TE Part # 1052633-1
2052 3356 00



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



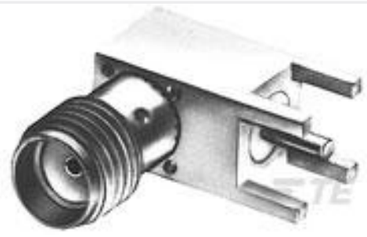
TE Part # 6274096-1
JACK ASSEMBLY, ACTION PIN, SMA



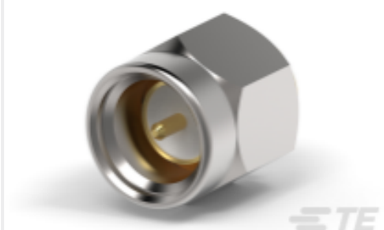
TE Part # 1052566-1
2052 1618 02,SMA FM JACK RECPT



TE Part # 1052902-1
2052 5674 02



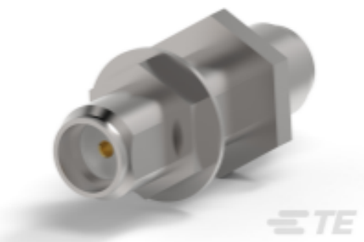
TE Part # 1053392-1
2064 5059 00



TE Part # 1050548-1
2001 5032 02



TE Part # 1052514-1
2052 1133 00



TE Part # 1054869-1
2084 0000 02



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



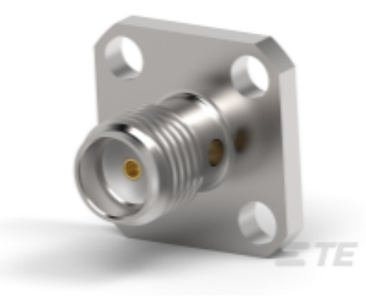
TE Part # 1056456-1
2837 7316 02



TE Part # 1056462-1
2837 7388 02



TE Part # 1050859-1
2002 5016 00



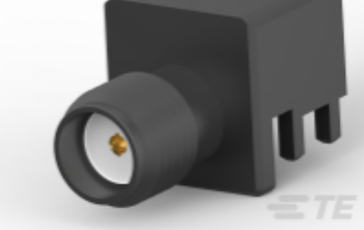
TE Part # 1052422-1
2052 0000 02,SMA FM JACK RECPT



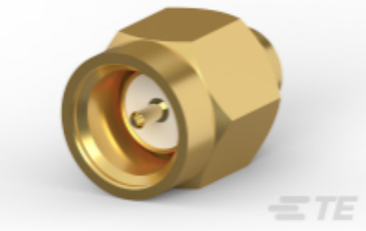
TE Part # 1052552-1
2052 1352 02,SMA FM JACK RECPT



TE Part # 1053265-1
2058 5329 02

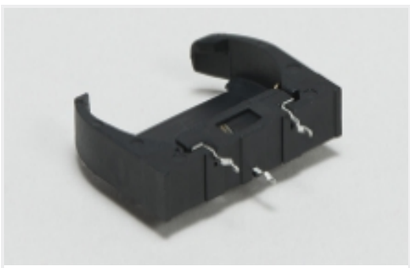


TE Part # 2081005-1
ASSY. SMA JACK PCB EDGE MOUNT



TE Part # 1050524-1
2001 5003 00,SMA CABLE PLUG

Also in the Series | SMA



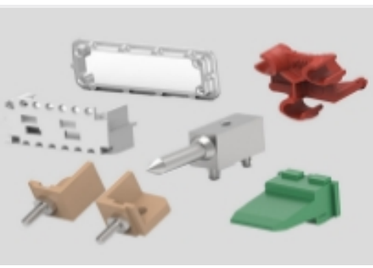
Battery Holders(1)



Connector Adapters & Connector Savers(8)



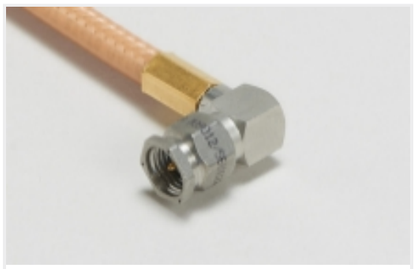
Connector Caps & Covers(3)



Connector Hardware(2)



Connector Strain Relief(1)



RF Cable Assemblies(121)

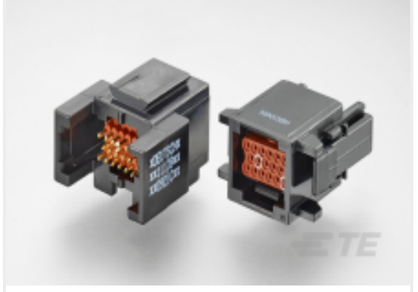


RF Terminators(1)

Customers Also Bought



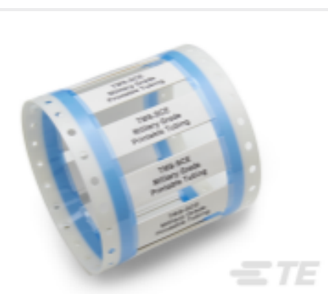
TE Part #316003-000
55A0121-22-2/6



TE Part #ABC03N-20S-4048
IN-LINE RECP



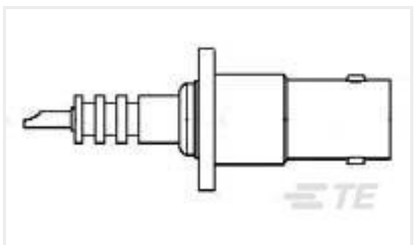
TE Part #C97865-000
HX-SCE-1K-19.0-50-9



TE Part #CAT-T3437-T548
TMS-SCE Military Grade Sleeves



TE Part #5500192011
SCL-3/8-0-STK



TE Part #51421-2
SHV PANEL RECPT



TE Part #61116-5
CMNL PIN 24-18 AUNIBR



TE Part #5-104666-5
80 SYSTEM 50 HDR DRST SHRD SN



TE Part #2-111196-9
026 RCPT SYSTEM 50 30 DPLX

Documents

Product Drawings

2037 5100 02

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1052098-1_D.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1052098-1_D.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1052098-1_D.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