CONSMA007 ✔ ACTIVE

SMA

TE Internal #: CONSMA007

SMA Connector, Plug, 50 ohm, RG 174 / RG 188 / RG 316 Compatible With RF Cable Type, Threaded, 18 GHz, 1 Position, Wire & Cable, SMA

View on TE.com >

Connectors > RF Connectors > Coax Connectors





RF Interface: **SMA**

RF Connector Style: **Plug**

Impedance: **50 Ω**

Compatible With RF Cable Type: **RG 174, RG 188, RG 316**

RF Connector Coupling Mechanism: **Threaded**

Features

Product Type Features

Connector Product Type	Connector Assembly
RF Interface	SMA
RF Connector Style	Plug
Compatible With RF Cable Type	RG 174, RG 188, RG 316
Sealable	No
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	Brass
Body Material Finish	Plated
Body Plating Material	Nickel

Contact Features

Ferrule Plating Material	Nickel

Ferrule Material	Brass
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	Mechanical
Detent	Without

Housing Features

Body Orientation	Straight

Usage Conditions

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

Operation/Application

Circuit Application	Signal
Operating Frequency Range	18 GHz

Packaging Features

Packaging Quantity	100
Packaging Method	Bulk

Other

Dielectric Material	Polytetrafluoroethylene (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	Not Yet Reviewed
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: JAN 2025 (247) SVHC > Threshold:

	Pb (4.45% 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	Not reviewed 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



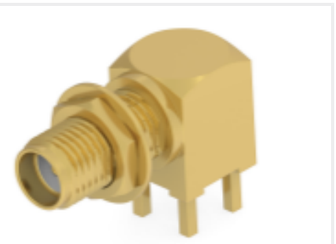
TE Part # L9000351-01
Magnetic Base RPS Jack MR195 1M SMA Plug



TE Part # CSJ-SGFB-200-MHF4
SMA to MHF4 200mm 0.81 OD



TE Part # 3-1478978-0
SMA R/A PCB SKT GB



TE Part # 2484787-1
SMA Jack RA PCB Thru Hole BHD 18 GHz



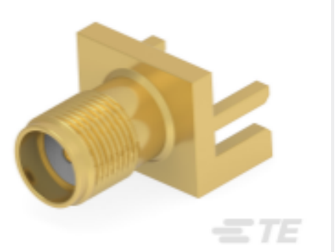
TE Part # L9000278-01
SMA Jack 50 Ohm .042 PCB Edge Mount



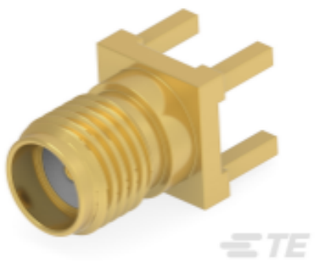
TE Part # L9000265-01
SMA Jack 50 Ohm .042 PCB Edge Mount



TE Part # CSJ-SGFB-100-MHF4
SMA to MHF4 100mm 0.81 OD



TE Part # 2484637-1
SMA Jack Edge .062 PCB Solder Tab 18 GHz



TE Part # 2484780-1
SMA Jack Str SMD Pin Thru Hole 18 GHz



TE Part # 2484639-1
SMA Jack Str PCB Thru Hole BHD 18 GHz



TE Part # 2480662-1
SMA F St BHD to Open Semi-rigid.047 50mm



TE Part # L9000001-01
SMA Jack to SMA Jack Bulkhead



TE Part # 2484782-1
SMA Jack RA PCB Thru Hole 18 GHz 50 Ohm



TE Part # 2484786-1
SMA Jack RA SMD Pin Thru Hole 18 GHz

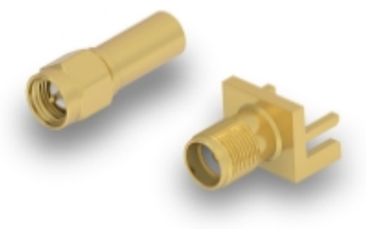


TE Part # CSJ-SGFB-150-MHF4
SMA to MHF4 150mm 0.81 OD



TE Part # L9000354-01
Magnetic Base SMA Jack MR195 1M SMA Plug

Also in the Series | SMA



SMA RF Connectors(197)

Customers Also Bought



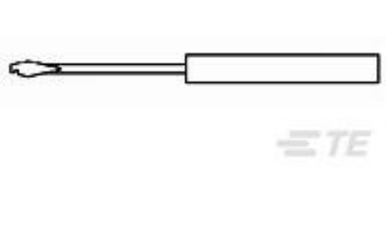
TE Part #CONSMA012
SMA RA Plug 50 Ohm Cable Crimp



TE Part #CONSMA011
SMA Jack 50 Ohm Cable Crimp



TE Part #CONSMA014
SMA Jack 50 Ohm Cable Crimp Panel Mount



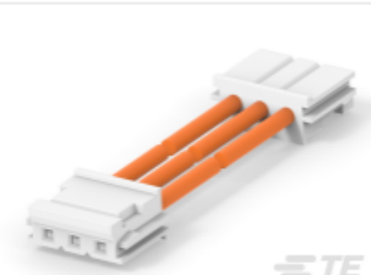
TE Part #776441-1
AS 16, EXTRACTION TOOL



TE Part #1-1437558-1
MTA106DPC=(MSTA) SW TOG P/C TE



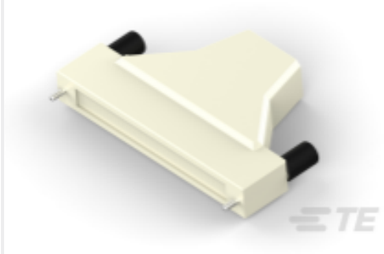
TE Part #2292860-1
AS16,CAP BACKSHELL KIT,ST,02P, SMOOTH



TE Part #2405419-3
3P TO 3P 300MM CABLE ASSEMBLY, 440133-3



TE Part #2474521-5
Mini FAKRA F,4P,CODE E,STR,RG174, 15G



TE Part #5749854-1
100 50SR BSHELL KIT,M JSCREW

TE Part #312192-1
FEED PAWL

Documents

Product Drawings

SMA Plug 50 Ohm Cable Crimp

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_CONSMA007_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_CONSMA007_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_CONSMA007_A.3d_stp.zip

English

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

Datasheets & Catalog Pages

SMA MALE CABLE END CRIMP FOR RG-174 CABLE

English