2081884-1 ✔ ACTIVE

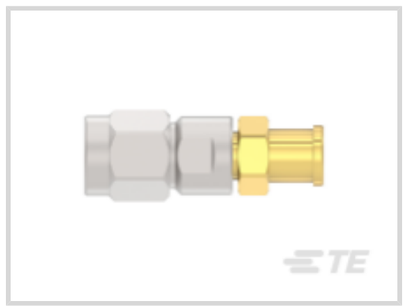
SMA

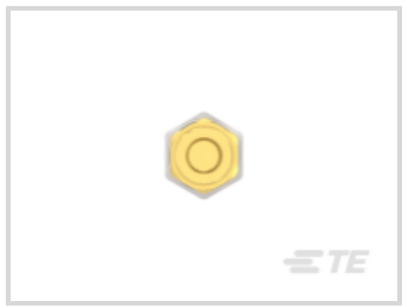
TE Internal #: 2081884-1

SMA Connector, Plug, 50 ohm, Screw, 27 GHz, Cable-to-Board, 1 Position, Wire & Cable, Cable Mount (Free-Hanging), -65 – 165 °C [-85 – 329 °F], SMA

View on TE.com >

Connectors > RF Connectors > Coax Connectors




RF Interface: **SMA**

RF Connector Style: **Plug**

RF Connector Mated Outer Diameter (Approximate): **8 mm [.31 in]**

Impedance: **50 Ω**

RF Connector Coupling Mechanism: **Screw**

Features

Product Type Features

Connector Shape	Circular
Connector Product Type	Connector Assembly
RF Interface	SMA
RF Connector Style	Plug
Connector System	Cable-to-Board
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	Stainless Steel

Body Material Finish	Passivated

Contact Features

Ferrule Plating Material	Gold
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	Solder

Mechanical Attachment

RF Connector Coupling Mechanism	Screw
Connector Mounting Type	Cable Mount (Free-Hanging)
RF Contact Captivation Method	Mechanical
Detent	Without

Housing Features

Body Orientation	Straight

Dimensions

RF Connector Mated Outer Diameter (Approximate)	8 mm[.31 in]

Usage Conditions

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

Operation/Application

Circuit Application	Signal
Operating Frequency Range	27 GHz

Packaging Features

Packaging Quantity	50
Packaging Method	Bag

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	Out of Scope
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 2025 (250) Candidate List Declared Against: JUNE 2025 (250) SVHC > Threshold: Pb (3.15% in M-13639-6) **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 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 # 2016759-1
HF,27GHz SMA F-F,RG405 FLEX,L500



TE Part # 2016759-3
EP-SMA,27GHz,F-F,.086,FLEX,L300



TE Part # 2081897-2
2081897-1 WITH NUT AND WASHER



TE Part # 2081363-1
SMA ADAPTER,STR,JACK TO JACK, 26.5GHZ



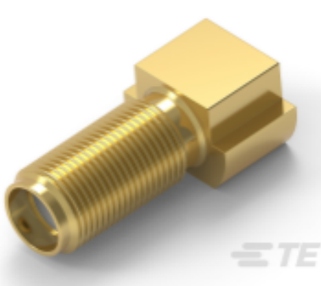
TE Part # 2478083-1
SMA Jack to SMA Jack Hermetic Bulkhead



TE Part # 2502469-1
SMA Jack St Bulkhead IP68 Thru Hole



TE Part # 2016759-5
EP-SMA,27GHz,F-F,.086,FLEX,L500



TE Part # 2081897-1
SMA,JACK,18GHZ,STRAIGHT, SURFACE MOUNT

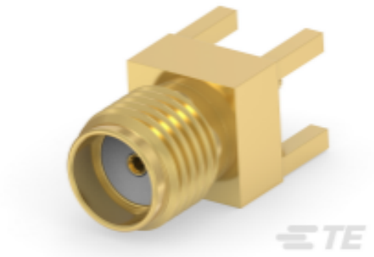


TE Part # 2081885-1
EP-SMA,JACK,27GHZ,STRAIGHT,086 CABLE



TE Part # 2476193-1
SMA Jack St Hermetic Seal Panel 26.5 GHz

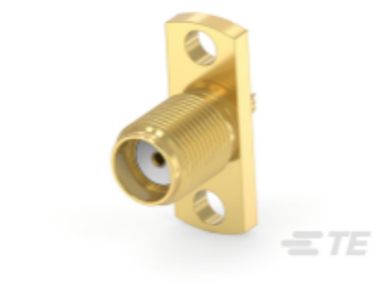
TE Part # 2081366-1
SMA,JACK RECEPTACLE,6GHZ, STRAIGHT,FLANGE



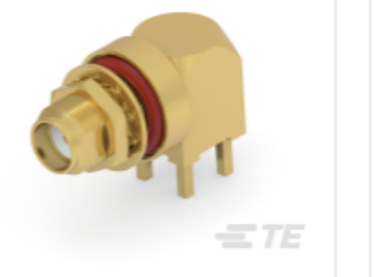
TE Part # 2466279-1
SMA Jack Str PCB Thru hole 18 Ghz Au 50



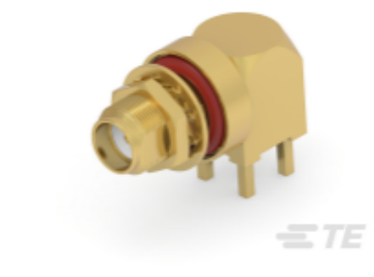
TE Part # 2478573-1
Cbl Assy SMA F to Test Probe SWG Typ



TE Part # 2081902-1
SMA JACK,STR,18GHZ,0.25 DIA PIN



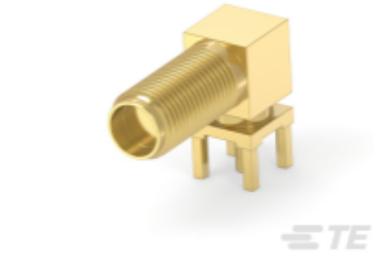
TE Part # 2502465-2
SMA Jack RA Bulkhead Thru Hole IP68



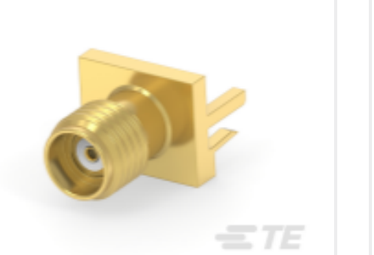
TE Part # 2502465-1
SMA Jack RA Bulkhead Thru Hole IP68



TE Part # 2016759-2
EP-SMA,27GHz,F-F,.086,FLEX,L200



TE Part # 2081679-1
SMA JACK RECEPTACLE,PCB,RIGHT ANGLE,6GHZ



TE Part # 2081880-1
EP-SMA,JACK,27GHZ,END LAUNCH, 1.5MM BOARD



TE Part # 2016750-2
EP-SMA,27GHz,F-F,.141,FLEX,L200

Also in the Series | SMA



Battery Holders(1)



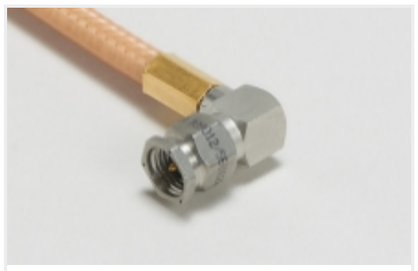
Connector Adapters & Connector Savers(8)



Connector Caps & Covers(3)

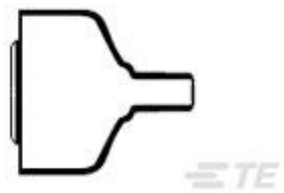


Connector Strain Relief(1)

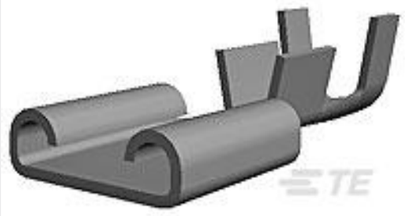


RF Cable Assemblies(119)

Customers Also Bought



TE Part #806792-000
214A011-25-0



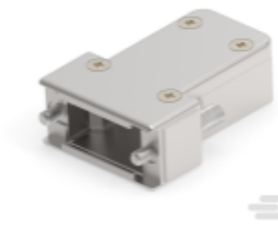
TE Part #6-160432-0
250 FASTON REC 20-16 AWG TPBZ



TE Part #5-166052-1
HDF20 SOCKET F CRIMP SIZE28-24



TE Part #350690-3
UMNL PIN 24-18 PTPPHBZ L/P



TE Part #1-2308340-4
FULL METAL HOODS SIZE 1-4 (RAW 180 DEG)



TE Part #5749111-6
68 50SR CABLE PLUG ASSY



TE Part #5749195-2
68 50SR KIT,ST,UK

TE Part #52-2000-10-060-XY
52 CRASH SENSOR ACCEL

TE Part #T4171110504-002
M12,REAR MOUNTING,FEMALE,D,4P, 0.5M WIRE

TE Part #T4171010005-002
M12,REAR MOUNTING,MALE,A,5P,0.5 M WIRE

Documents

Product Drawings

EP-SMA,PLUG,27GHZ,STRAIGHT,086 CABLE

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2081884-1_1.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2081884-1_1.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2081884-1_1.3d_stp.zip

English

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Product Specifications

Product Specification

English