2081885-1 ✔ ACTIVE

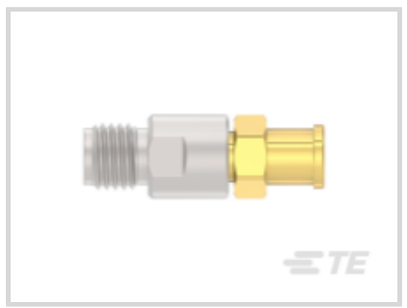
SMA

TE Internal #: 2081885-1

SMA Connector, Jack, 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: **Jack**

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	Jack
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	Not Yet Reviewed
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: JAN 2024 (240) SVHC > Threshold: Pb (4.35% 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 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 # 2423629-4
RF CA,SMA TO 1.0-2.3 WITH RG58,L2.9M



TE Part # 2016748-2
EP-SMA,27GHz,Str,M-M,.141,FLEX,L200



TE Part # 2016748-4
EP-SMA,27GHz,Str,M-M,.141,FLEX,L400



TE Part # 2016748-6
EP-SMA,27GHz,Str,M-M,.141,FLEX,L50



TE Part # 2477465-1
SMA Plug to SMA Plug RA 18 GHz SUS



TE Part # 2016757-9
EP-SMA,27GHz,STR,M-M,.086,FLEX,L350

TE Part # 2404437-1
SMA,PLUG,STRAIGHT,RG178,6GHZ



TE Part # 2016748-5
EP-SMA,27GHz,Str,M-M,.141,FLEX,L500



TE Part # 2016753-2
EP-SMA,27GHz,STR,M-M,.047,FLEX, L200



TE Part # 2016753-7
EP-SMA,27GHz,STR,M-M,.047,FLEX, L150



TE Part # 2016748-1
27 GHZ SMA M-M, RG402 FLEX, L100



TE Part # 2016753-1
EP-SMA,27GHZ,STR,M-M,.047,FLEX, L100

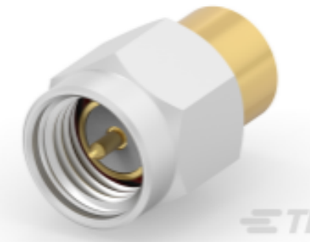


TE Part # 2016748-3
EP-SMA,27GHz,Str,M-M,.141,FLEX, L300

TE Part # 2414192-1
RF CA, GT5 TO SMA WITH RG174 CABLE

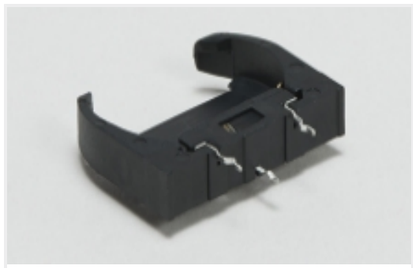


TE Part # 2081884-1
EP-SMA,PLUG,27GHZ,STRAIGHT,086 CABLE



TE Part # 2467918-1
RF TERMINATOR SMA PLUG 18 GHZ 1W SUS

Also in the Series | SMA



Battery Holders(1)



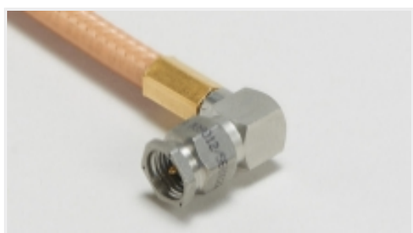
Connector Adapters & Connector Savers(8)



Connector Caps & Covers(3)

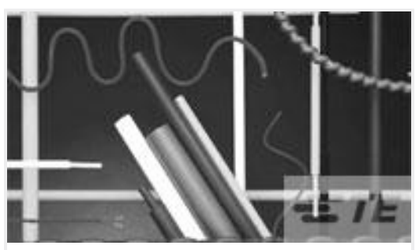


Connector Strain Relief(1)



RF Cable Assemblies(119)

Customers Also Bought



TE Part #5069724010
CGPT-6.4/3.2-X-SP



TE Part #925595-1
MIN.SPRING RECEPT.



TE Part #CAT-T4827-CH8172
Timer Connector Housing



TE Part #1-1337415-0
N Str Plg Hex 50Ohm Silver Pltd RG9B /U,



TE Part #2232983-1
EP 2.5 LIF RCPT CONTACT, 24-20 AWG



TE Part #2302452-1
MATENET,FIXATION ELEMENT

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

Documents

Product Drawings

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

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2081885-1_1.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2081885-1_1.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2081885-1_1.3d_stp.zip

English

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Product Specifications

Product Specification

English