2081897-1 ✔ ACTIVE

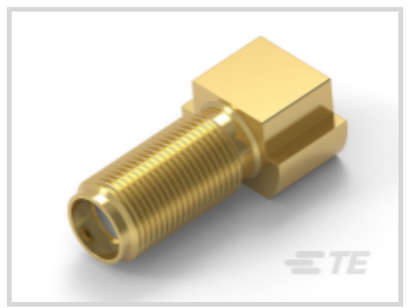
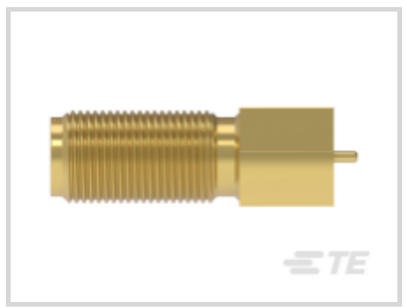
SMA

TE Internal #: 2081897-1

SMA Connector, Jack, 50 ohm, Screw, 18 GHz, Cable-to-Board, 1 Position, Printed Circuit Board, Board Mount, -55 – 165 °C [-67 – 329 °F], Solder, SMA

View on TE.com >

Connectors > RF Connectors > Coax Connectors




RF Interface: **SMA**

RF Connector Style: **Jack**

Impedance: **50 Ω**

RF Connector Coupling Mechanism: **Screw**

Operating Frequency Range: **18 GHz**

Features

Product Type Features

RF Interface	SMA
RF Connector Style	Jack
Connector System	Cable-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

PCB Mount Orientation	Vertical
Number of Positions	1
Number of Coaxial Contacts	1

Electrical Characteristics

Impedance	50 Ω

Body Features

Body Underplating Material	Nickel
Body Material	Brass

Body Material Finish	Plated
Body Plating Material	Gold

Contact Features

RF Connector Center Contact Plating Thickness	1.27 µm[50 µin]
RF Connector Center Contact Plating Material	Gold (Au)
RF Connector Center Contact Material	Beryllium Copper

Termination Features

Termination Method to PCB	Surface Mount
Termination Post & Tail Length	1.6 mm[.063 in]
Termination Method to Wire & Cable	Solder

Mechanical Attachment

RF Connector Coupling Mechanism	Screw
Connector Mounting Type	Board Mount
RF Contact Captivation Method	Mechanical
Detent	Without

Housing Features

Body Orientation	Straight

Usage Conditions

Operating Temperature Range	-55 – 165 °C[-67 – 329 °F]

Operation/Application

Circuit Application	Signal
Operating Frequency Range	18 GHz

Packaging Features

Packaging Method	Bag & Box

Other

Dielectric Material	Polytetrafluoroethylene (PTFE)

Product Compliance

For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Not Yet Reviewed

China RoHS 2 Directive MIIT Order No 32, 2016	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JAN 2024 (240) Does not contain REACH SVHC
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 # 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 # 2016748-1
27 GHZ SMA M-M, RG402 FLEX, L100



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



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



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

Also in the Series | SMA

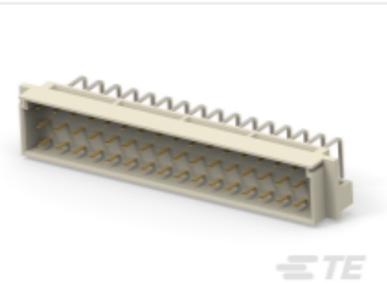


Connector Caps & Covers(3)

Customers Also Bought



TE Part #284258-E
STVR 96 FI ABC VVV 7-03 TL * * 247 E 172



TE Part #354872-E
STVE 48 M ACE GGG 4-00 1006 * * 247 E007



TE Part #5-103911-2
20 SYSTEM 50 RCPT ASSY DRRA



TE Part #643228-1
03P UMNL HDR ASSY R/A 94VO



TE Part #1-770190-0
15P MINI-UMNL ASSY V0 SNNI*



TE Part #1-770872-1
02P MINI UMNL HDR ASSY AU LF



TE Part #1-794066-0
12P MINI UMNL HDR W/DH SN LF



TE Part #6-1625984-8
HSA50 560R 1%



TE Part #2-2176397-0
3502 6R2 1%



TE Part #5227676-1
BNC PCB RT ANGLE JACK

Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2081897-1_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2081897-1_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2081897-1_A.3d_stp.zip

English

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

Product Specifications

Product Specification

English