2081902-1 ✔ ACTIVE

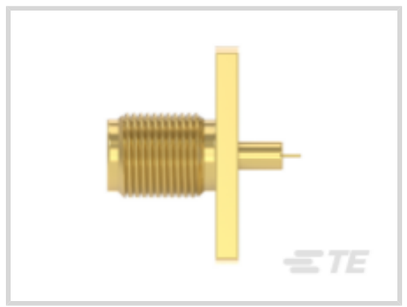
SMA

TE Internal #: 2081902-1

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

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	Through Hole - Solder

Mechanical Attachment

RF Connector Coupling Mechanism	Screw
Connector Mounting Type	Board Mount
RF Contact Captivation Method	Solder
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	Box & Carton

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: Not Yet Reviewed SVHC > Threshold: Pb (4.75% in Component) **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

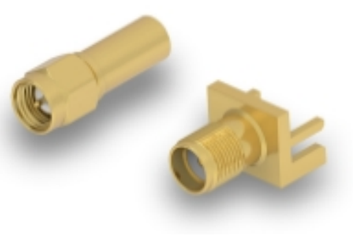
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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 # 2081884-1
EP-SMA,PLUG,27GHZ,STRAIGHT,086 CABLE

Also in the Series | SMA



SMA RF Connectors(197)

Documents

Product Drawings

SMA JACK,STR,18GHZ,0.25 DIA PIN

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2081902-1_1.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2081902-1_1.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2081902-1_1.3d_stp.zip

English

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

Product Specifications

Product Specification

English