2081361-1 ✔ ACTIVE

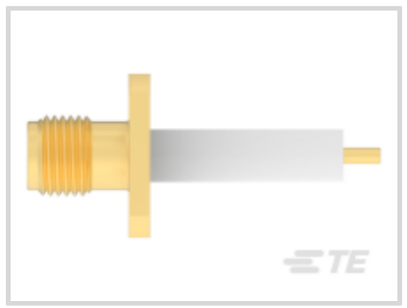
SMA

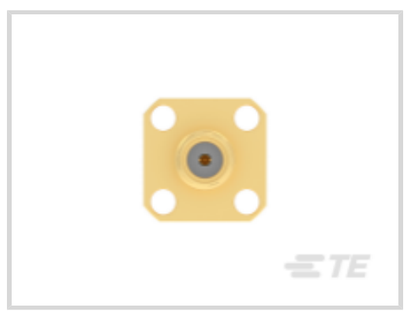
TE Internal #: 2081361-1

SMA Connector, Jack, 50 ohm, Screw, 18 GHz, Cable-to-Board, 1 Position, Printed Circuit Board, Panel Mount, -55 – 125 °C [-67 – 257 °F], Screw, 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
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	Stainless Steel
Body Material Finish	Plated

Body Plating Material	Gold

Contact Features

RF Connector Center Contact Plating Thickness	1.01 µm[40 µin]
RF Connector Center Contact Plating Material	Gold (Au)
RF Connector Center Contact Material	Beryllium Copper

Termination Features

Termination Method to PCB	Through Hole - Screw
Termination Method to Wire & Cable	Screw

Mechanical Attachment

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

Housing Features

Body Orientation	Straight

Usage Conditions

Operating Temperature Range	-55 – 125 °C[-67 – 257 °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 with Exemptions
EU ELV Directive 2000/53/EC	Out of Scope
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: JUNE 2025 (250) 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

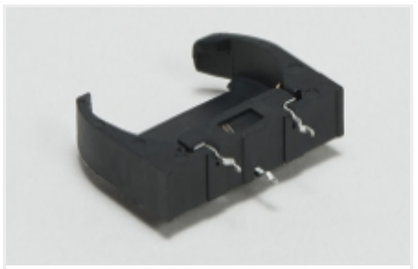


TE Part # 2081360-1
SMA PLUG,18GHZ,STRAIGHT,141 CABLE

Also in the Series | SMA



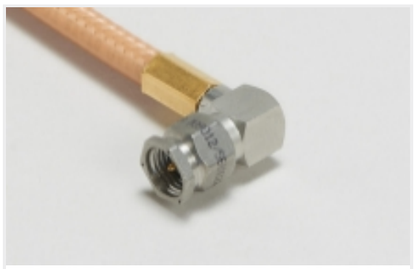
Coax Connectors(198)



Coin Cell Battery Holders(1)

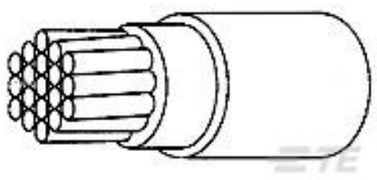


Connector Adapters & Connector Savers(8)

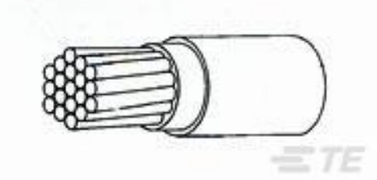


RF Cable Assemblies(118)

Customers Also Bought



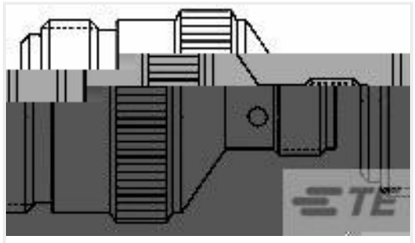
TE Part #7627653001
99M0111-22-2



TE Part #2820103008
44A0111-18-0



TE Part #NB3273-000
ES2000-NO.2-B9-0-COIL



TE Part #1057341-1
3080 2240 00



TE Part #8-1623933-4
CFR50 5% 430R



TE Part #6-1624112-2
3650 0603 3.3nH 5% 2K RL



TE Part #1625854-3
0603 PROBE PAD

TE Part #1-2828999-2
Guide Pin Clockable Keyed

TE Part #7-1618400-3
DS13-1002S2T=SOLID STATE



TE Part #2102522-4
MULTIGIG RT2 SLIM GHW,SOCKET, 270,SPRING

Documents

Product Drawings

SMA,RECEPTACLE,18GHZ,STR,FLANGE

English

CAD Files

Customer View Model

ENG_CVM_CVM_2081361-1_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2081361-1_A.3d_stp.zip

English

Customer View Model

ENG_CVM_CVM_2081361-1_A.3d_igs.zip

English

3D PDF

3D

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

Product Specifications

Product Specification

English