

CONSMA002-SMD-G

✓ ACTIVE

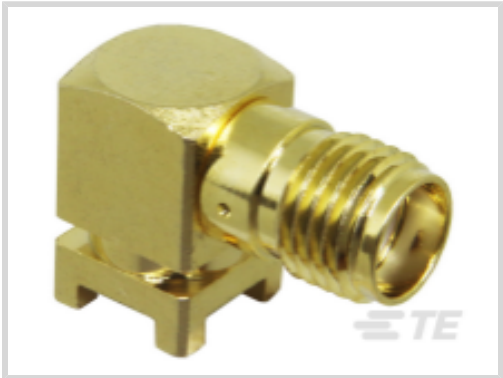
SMA

TE Internal #: CONSMA002-SMD-G
SMA Connector, Jack, 50 ohm, Threaded, 18 GHz, 1 Position,
Printed Circuit Board, Board Mount, -65 – 165 °C [-85 – 329 °F],
Solder, Right Angle, SMA

[View on TE.com >](#)



Connectors > RF Connectors > Coax Connectors



RF Interface: **SMA**
RF Connector Style: **Jack**
Impedance: **50 Ω**
RF Connector Coupling Mechanism: **Threaded**
Operating Frequency Range: **18 GHz**

Features

Product Type Features

Connector Product Type	Connector Assembly
RF Interface	SMA
RF Connector Style	Jack
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

PCB Mount Orientation	Right Angle
Number of Positions	1
Number of Coaxial Contacts	1

Electrical Characteristics

Impedance	50 Ω
-----------	------

Body Features

Body Material	Brass
Body Material Finish	Plated
Body Plating Material	Gold

Contact Features

RF Connector Center Contact Plating Material	Gold (Au)
--	-----------

RF Connector Center Contact Material	Beryllium Copper
--------------------------------------	------------------

Termination Features

Termination Method to PCB	Surface Mount
Termination Method to Wire & Cable	Solder

Mechanical Attachment

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

Housing Features

Body Orientation	Right Angle
------------------	-------------

Usage Conditions

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

Operation/Application

Circuit Application	Signal
Operating Frequency Range	18 GHz

Packaging Features

Packaging Quantity	100
Packaging Method	Tray

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 Compliant
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) SVHC > Threshold: Pb (3.53% 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 Regulations, TE’s information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) ‘Guidance on requirements for substances in articles’(Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of ‘complex object’, the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA “Guidance on requirements for substances in articles” (June 2017, version 4.0) and will be updating its statements accordingly.

Compatible Parts

 TE Part # L9000162-01 Antenna Dome 916MHz RG174 300 SMA	 TE Part # L9000237-01 Antenna Dome Wifi6/6E RG174 250 RPS	 TE Part # L9000123-01 Antenna Dome 433MHz RG174 300 SMA	 TE Part # ANT-5GW-MMG1-SMA-3 Antenna Magnetic 5G Cell 3M SMA
 TE Part # ANT-916-CW-RCS-SMA Antenna CW-RCS 916 SMA Jack	 TE Part # ANT-5GW-SPS1-2 Antenna 5G LTE IP67 Puck RG174 2M SMA	 TE Part # ANT-868-WRT-SMA Antenna Dome 868MHz RG174 216 SMA	 TE Part # ANT-B14-CW-QW-SMA Antenna 1/4 Wave Whip LTE B14 SMA



TE Part # ANT-MAG-B66-SMA
Antenna Magnetic Base 66mm RG174 4M SMA



TE Part # ANT-W63WS4-SMA
Antenna Blade Wifi6 Swivel SMA



TE Part # ANT-GNRM-L125A-5
Antenna GNSS L1L2L5 Ext Mag RG174 5M SMA



TE Part # ANT-868-CW-QW-SMA
Antenna 1/4 Wave Whip 868MHz SMA



TE Part # ANT-916-CW-RH-SMA
Antenna 1/4 Wave Short 916MHz SMA



TE Part # ANT-B28-CW-QW-SMA
Antenna 1/2 Wave Whip LTE B28 SMA



TE Part # ANT-5GWWS5-SMA
Antenna Dipole Blade 5G/LTE Swivel SMA



TE Part # ANT-418-CW-HW-SMA
Antenna 1/4 Wave Whip 418MHz SMA



TE Part # ANT-433-MHW-SMA-L
Antenna 433MHz Dipole MHW Long SMA



TE Part # ANT-5GWWS3-SMA
Antenna Dipole Blade 5G/LTE Swivel SMA



TE Part # ANT-GNRM-L15A-3
Antenna GNSS L1L5 Ext Mag RG174 3M SMA



TE Part # ANT-5GW-MMG2-SMA-2
Antenna Magnetic 5G Cell 2M SMA

Also in the Series | SMA



Coax Connectors(198)



Coin Cell Battery Holders(1)

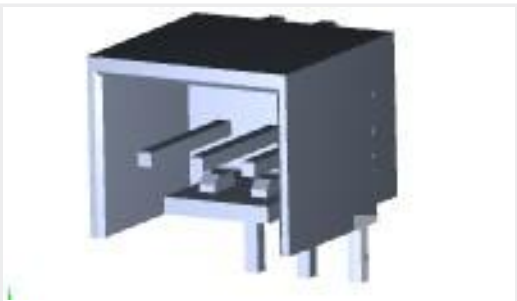


Connector Adapters & Connector Savers(8)



RF Cable Assemblies(118)

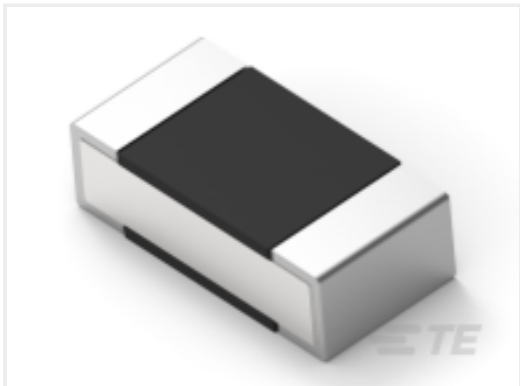
Customers Also Bought



TE Part #3-644894-3
03P CST100 SHRD HDR ASSY LF



TE Part #1888250-3
Low Profile,RJ45,1x1,No Led's



TE Part #5-2176304-1
RP 1E 0.1W 33R2 0.1% 25PPM 5K RL



TE Part #4-2176326-9
CRGP 0603 100K 1%



TE Part #2176337-1
CRGCQ 0402 10R 1%

TE Part #2176337-3
CRGCQ 0402 15R 1%

TE Part #7-2176422-6
TLRP 2512 3.0W R100 1% 50PPM 4K RL

TE Part #4-2176473-3
RA73F 1J 140R 0.1% 1K RL

TE Part #2485924-1
SMA Jack St Hermetic Front Mount
26.5G

TE Part #5055557-4
10 POWER TAP ASSY .100

Documents

Product Drawings

SMA Jack 50 Ohm PCB Surface Mount

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_CONSMA002-SMD-G_D.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_CONSMA002-SMD-G_D.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_CONSMA002-SMD-G_D.3d_stp.zip

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

SMA FEMALE RIGHT ANBLE SURFACE MOUNT

English