

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
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Body Features

Body Material	Brass
Body Material Finish	Plated
Body Plating Material	Gold

Contact Features

RF Connector Center Contact Plating Material	Gold (Au)
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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 34396240274)

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 # ANT-5GW-MMG1-SMA-3
Antenna Magnetic 5G Cell 3M SMA



TE Part # L9000123-01
Antenna Dome 433MHz RG174 300 SMA



TE Part # L9000237-01
Antenna Dome Wifi6/6E RG174 250 RPS



TE Part # L9000162-01
Antenna Dome 916MHz RG174 300 SMA



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



TE Part # ANT-5GW-SPS1-2
Antenna 5G LTE IP67 Puck RG174 2M SMA



TE Part # ANT-B14-CW-QW-SMA
Antenna 1/4 Wave Whip LTE B14 SMA



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




TE Part # ANT-W63-MON-SMA
Antenna MON Wifi6/6E Swivel SMA



TE Part # ANT-W63WS3-SMA
Antenna Blade Wifi6/6E Swivel SMA



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




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



TE Part # ANT-W63WS5-SMA
Antenna Blade Wifi6/6E Swivel SMA



TE Part # L001035-01
Antenna 868/915 LPWA SMA GOLD



TE Part # ANT-916-CW-RCS-SMA
Antenna CW-RCS 916 SMA Jack



TE Part # L9000076-01
ANTENNA IND DIPOLE 2.4GHZ RG58 1M SMA



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



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




TE Part # ANT-868-WRT-SMA
Antenna Dome 868MHz RG174 216 SMA




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


Also in the Series | SMA




Battery Holders(1)




Connector Adapters & Connector Savers(8)



Connector Caps & Covers(3)




Connector Hardware(2)



Connector Strain Relief(1)



RF Cable Assemblies(121)



RF Terminators(1)

Customers Also Bought



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 ANGLE SURFACE MOUNT

English