CONSMA008-G ✔ ACTIVE

SMA

TE Internal #: CONSMA008-G

SMA Connector, Jack, 50 ohm, Threaded, 18 GHz, 1 Position, Printed Circuit Board, Board Mount, -65 – 165 °C [-85 – 329 °F], Solder, 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: **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	Vertical
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	Through Hole - Solder
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	Straight

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

Lockwasher Material	Brass
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: JAN 2025 (247) SVHC > Threshold:

	Pb (4.45% in Component Part) **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	Not Low Halogen - contains Br or Cl > 900 ppm.
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 # ADP-SMAM-MCXM
SMA Plug to MCX Plug

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 # ADP-SMAM-RPSF-G

SMA Plug to RP-SMA Jack

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

Also in the Series | SMA

Connector Adapters & Connector Savers(8)

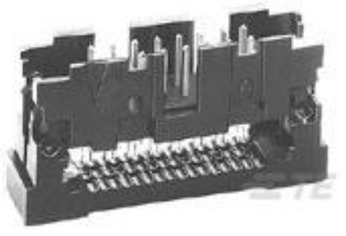
Customers Also Bought

TE Part #OTX-433-HH-KF5-MS

Remote MS 433MHz OOK AM 5Btn KF TX EU

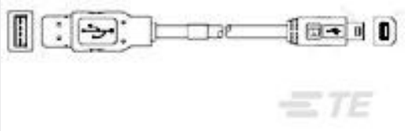
TE Part #RXM-433-LR

Module LR 433MHz AM OOK RX RCVR



TE Part #1-111446-8

020 UNIV I/O 30DP NO EARS

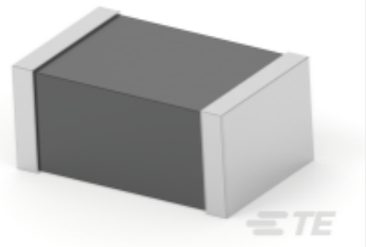


TE Part #1487596-3

USB, A-B, 28/24, BLACK, 1.8M

TE Part #9-1614882-7
CPF 0603 18R 0.1% 25PPM 1K RL

TE Part #1981584-1
MICRO USB, TYPE A/B, GRAY



TE Part #2176487-1
BMC 0805 300R 25% A Med C

TE Part #2213188-2
Assembly, ICE Connector 1.6 PCB w/o cap

TE Part #6-2271111-2
M12, MALE, A CODE, 12P, PG9, SHIELDED(AU)

TE Part #L9000210-01
Antenna WiFi6/6E FPC LV 7x45 100 MHF4

Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_CONSMA008-G_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_CONSMA008-G_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_CONSMA008-G_A.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 PCB MOUNT EXTENDED

English