



SMA

TE Internal #: L9000271-01

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

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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	Edge
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	Nickel

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 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 50

Packaging Method Bulk

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

EU ELV Directive 2000/53/EC Not Yet Reviewed

China RoHS 2 Directive MIIT Order No 32, 2016 No Restricted Materials 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 Halogen - Br, Cl, F < 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



Also in the Series | SMA



Battery Holders(1)



Connector Adapters & Connector Savers(8)



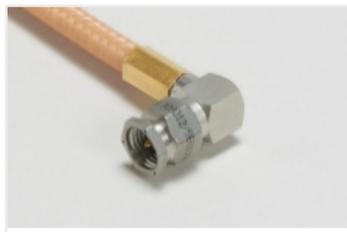
Connector Caps & Covers(3)



Connector Hardware(2)



Connector Strain Relief(1)



RF Cable Assemblies(119)

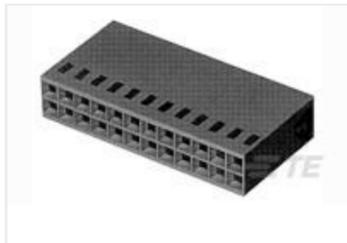


RF Terminators(1)

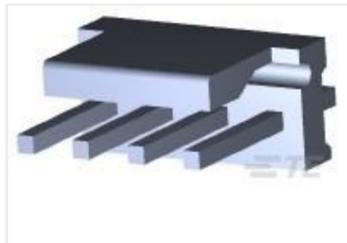
Customers Also Bought



TE Part #FG4305
OMNI,FG,430-440MHZ,100W 435MHZ, 7dBi



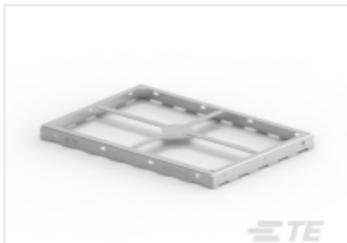
TE Part #87456-4
08 MODIV HSG DR MRKD .100CL



TE Part #3-641208-4
04P MTA156 HDR ASSY FL ST 30AU



TE Part #9-1879354-8
RR03 5% 3K6 AMMO



TE Part #2118730-2
STD SHIELD FRAME, CRS-44.00X30. 50X3.00MM



TE Part #3-2408780-3
Plug HSG 3P WHT HCI 6.2 Pitch Outer Lock



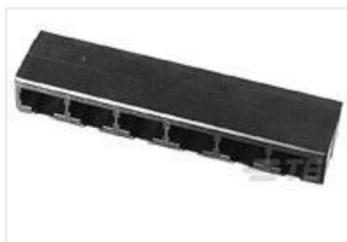
TE Part #3-2408818-3
Rec HSG 3P WHT HCI 6.2 Pitch With Wings



TE Part #2408840-4
Socket Contact of HCI 6.2mm Pitch



TE Part #2408841-4
Pin Contact of HCI 6.2mm Pitch WTW



TE Part #5569350-1
MJ ASSY,3P,8 POS,R/A,CAT 5E

Documents

CAD Files

Customer View Model

[ENG_CVM_CVM_L9000271-01_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_L9000271-01_A.3d_stp.zip](#)

English

Customer View Model

[ENG_CVM_CVM_L9000271-01_A.2d_dxf.zip](#)



English

[3D PDF](#)

[3D](#)

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

Datasheets & Catalog Pages

[SMA FEMALE EDGE MULTI-MOUNT FOR 0.031INCH THICK BOARD](#)

English