

TE Internal #: L9000271-01

SMA RF Interface, Jack, 50  $\Omega$ , Threaded, 0 - 18 GHz Operating Frequency, 1 Position, Printed Circuit Board, Board Mount, -65 - 165  $^{\circ}\text{C}$  [-85 - 329  $^{\circ}\text{F}$ ]

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Connectors > RF Connectors > Coax Connectors



RF Interface: **SMA**

RF Connector Style: **Jack**

Impedance: **50  $\Omega$**

RF Connector Coupling Mechanism: **Threaded**

Operating Frequency: **0 - 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 $\Omega$ |
|-----------|-------------|

Body Features

|                             |          |
|-----------------------------|----------|
| Cable Connector Orientation | Straight |
| Body Material               | Brass    |
| Body Material Finish        | Plated   |
| Body Plating Material       | Nickel   |

Contact Features

|  |      |
|--|------|
| RF Connector Center Contact Plating Material | Gold |
|--|------|



|                                      |                  |
|--------------------------------------|------------------|
| 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     |

Usage Conditions

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

Operation/Application

|                     |            |
|---------------------|------------|
| Circuit Application | Signal     |
| Operating Frequency | 0 - 18 GHz |

Packaging Features

|                    |      |
|--------------------|------|
| Packaging Quantity | 50   |
| Packaging Method   | Bulk |

Other

|                     |       |
|---------------------|-------|
| Lockwasher Material | Brass |
| Dielectric Material | 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: JAN 2024 (240)<br>Candidate List Declared Against: JAN 2024 (240)<br>Does not contain REACH SVHC |
| Halogen Content                               | Low Halogen - Br, Cl, F, I < 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 # L9000274-01

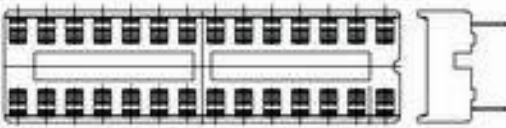
SMA Plug 50 Ohm .031 PCB Edge Mount

Customers Also Bought



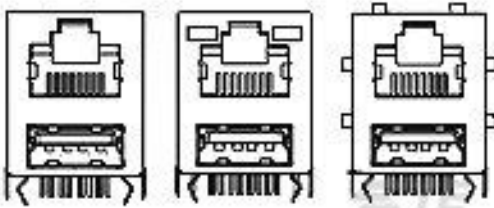
TE Part # 5227673-1

BNC PCB VERTICAL JACK W/POST



TE Part # 1-2199298-9

28P,DIP SKT,300 CL,LDR,PB FREE



TE Part # 4-1775855-1

RJ45 OVER USB W/ LED OG/OG



TE Part # 7-1437558-2

MTE206N=(MSTE) SWITCH TOGGLE W



TE Part # 5-102570-4

12 MODII HDR DRRA SHRD LF



TE Part # ANT-868-MHW-SMA-S

Antenna 868MHz Dipole MHW Short SMA



TE Part # ANT-916-MHW-SMA-S

Antenna 916MHz Dipole MHW Short SMA

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

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Datasheets & Catalog Pages

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

English