

3-1478978-1 ✓ ACTIVE



AMP SMA

TE Internal #: 3-1478978-1

SMA RF Interface, Receptacle, 50 Ω , Screw, 6 GHz Operating Frequency, Cable-to-Board, 1 Position, Printed Circuit Board, Board Mount, AMP SMA

[View on TE.com >](#)

Connectors > RF Connectors > Coax Connectors



RF Interface: **SMA**

RF Connector Style: **Receptacle**

RF Connector Mated Outer Diameter (Approximate): **6.35 mm [.25 in]**

Impedance: **50 Ω**

RF Connector Coupling Mechanism: **Screw**

Features

Product Type Features

| | |
|-----------------------------------|-----------------------|
| Connector Product Type | Connector Assembly |
| RF Interface | SMA |
| RF Connector Style | Receptacle |
| Connector System | Cable-to-Board |
| 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 Plating Material | Gold |
|-----------------------|------|

Contact Features

| | |
|---|-----------------|
| RF Connector Center Contact Underplating Material | Copper |
| RF Connector Contact Configuration | Not Captivated |
| RF Connector Center Contact Plating Material | Gold |
| RF Connector Center Contact Material | Phosphor Bronze |

Termination Features

| | |
|---|-----------------------|
| Termination Post & Tail Length | 3.4 mm[.133 in] |
| Termination Method to Printed Circuit Board | Through Hole - Solder |

Mechanical Attachment

| | |
|---------------------------------|-------------|
| RF Connector Coupling Mechanism | Screw |
| Connector Mounting Type | Board Mount |
| RF Contact Captivation Method | Mechanical |
| Detent | Without |

Dimensions

| | |
|---|------------------|
| Profile Height from PCB | 10.1 mm[.397 in] |
| Product Length | 13.5 mm[.532 in] |
| RF Connector Mated Outer Diameter (Approximate) | 6.35 mm[.25 in] |

Usage Conditions

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

Operation/Application

| | |
|---------------------|-------|
| Operating Frequency | 6 GHz |
|---------------------|-------|

Packaging Features

| | |
|--------------------|-----|
| Packaging Quantity | 30 |
| Packaging Method | Bag |

Other

| | |
|---------------------|------------|
| Grade | Commercial |
| Dielectric Material | Delrin |

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 | Compliant with Exemptions |
| China RoHS 2 Directive MIIT Order No 32, 2016 | Restricted Materials Above Threshold |
| EU REACH Regulation (EC) No. 1907/2006 | <p>Current ECHA Candidate List: JUNE 2023 (235)</p> <p>Candidate List Declared Against: JUNE 2023 (235)</p> <p>SVHC > Threshold:</p> <p>Pb (3.6% in Component Part)</p> <p>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.</p> |
| Halogen Content | Low Bromine/Chlorine - Br and Cl < 900 ppm per homogenous material. Also BFR /CFR/PVC Free |
| Solder Process Capability | Wave solder capable to 265°C |

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 Regulation, the information TE provides on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) 'Guidance on requirements for substances in articles' posted at this URL: <https://echa.europa.eu/guidance-documents/guidance-on-reach>

Compatible Parts



Also in the Series | **AMP SMA**



Battery Holders(1)



Coax Connectors(295)



Connector Savers & Adapters(12)



Rack & Panel Ferrules & Inserts(1)



RF Cable Assemblies(2)



RF Connector Hardware(2)



RF Connector Launchers(8)



RF Connector Shrouds(3)



RF Terminators(1)

Customers Also Bought



TE Part #2-1623730-7
BCHE 4 W 6R8 10%



TE Part #1825032-1
SE1DGPC04=SEALED SLIDE SWITCH



TE Part #1734037-7
Champ 050 series,68pos,Au over PdNi



TE Part #5557572-3
MOD JK ASSY,6PORT,8POSN,SHLD



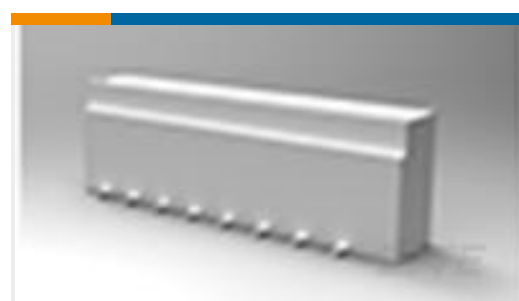
TE Part #2-111623-6
50, 2MM, POL,30 DP, LEAD FREE



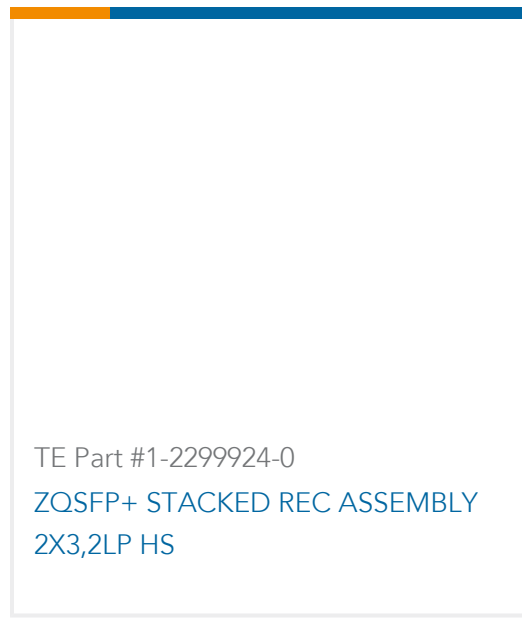
TE Part #4169106002
DSPL-NR3-X-50MM



TE Part #2525596019
RBKILS Heat shrink Tubing



TE Part #1-1735042-4
1MM FFC SMT V ASSY 14P EMBOSS



Documents

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_3-1478978-1_F.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_3-1478978-1_F.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_3-1478978-1_F.3d_stp.zip](#)

English

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Product Environmental Compliance

[Product Compliance Document](#)

English

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English