

5-1814832-2 ✓ ACTIVE

TE Internal #: 5-1814832-2

RF Connectors, SMA RF Interface, Jack, RF Connector Mated Outer

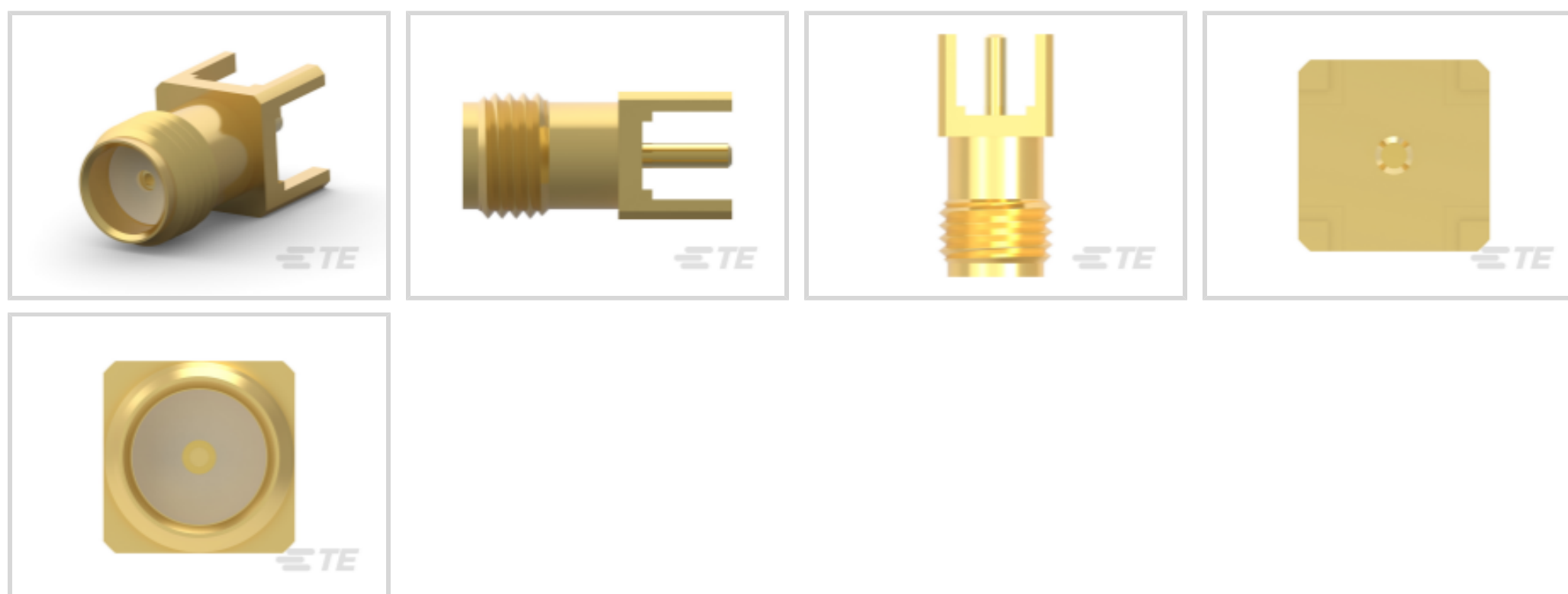
Diameter (Approximate) .25 in [6.35 mm], 50 Ω , Threaded, 3GHz

Operating Frequency

[View on TE.com >](#)



Connectors > RF Coax Connectors > RF Connectors



RF Interface: **SMA**

RF Connector Style: **Jack**

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

Impedance: **50 Ω**

RF Connector Coupling Mechanism: **Threaded**

Features

Product Type Features

Connector Product Type	Connector Assembly
RF Interface	SMA
RF Connector Style	Jack
Connector System	Cable-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Number of Positions	1
PCB Mount Orientation	Vertical
Number of Coaxial Contacts	1

Electrical Characteristics

Impedance	50 Ω
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Body Features

Body Material	Zinc Alloy
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Body Plating Material	Gold
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Contact Features

RF Connector Contact Configuration	Not Captivated
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RF Connector Center Contact Plating Material	Gold
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RF Connector Center Contact Material	Phosphor Bronze
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Termination Features

Termination Method to Printed Circuit Board	Through Hole - Solder
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Termination Post & Tail Length	4 mm[.157 in]
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Mechanical Attachment

RF Connector Coupling Mechanism	Threaded
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Connector Mounting Type	Board Mount
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RF Contact Captivation Method	Mechanical
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Detent	Without
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Dimensions

Product Length	13.5 mm[.532 in]
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RF Connector Mated Outer Diameter (Approximate)	6.35 mm[.25 in]
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Height Above PC Board	7.8 mm[.307 in]
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Usage Conditions

Operating Temperature Range	-55 – 85 °C[-67 – 185 °F]
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Operation/Application

Operating Frequency	3 GHz
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Packaging Features

Packaging Quantity	1
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Packaging Method	Box
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Other

Grade	Commercial
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Dielectric Material	PTFE
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Product Compliance

For compliance documentation, visit the product page on [TE.com](https://www.te.com)>

EU RoHS Directive 2011/65/EU	Compliant with Exemptions
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EU ELV Directive 2000/53/EC	Compliant with Exemptions
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China RoHS 2 Directive MIIT Order No 32, 2016

Restricted Materials Above Threshold

EU REACH Regulation (EC) No. 1907/2006

Current ECHA Candidate List: JAN 2021 (211)

Candidate List Declared Against: JUN 2020 (209)

SVHC > Threshold:

Pb (.35% in 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

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 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




TE Part # 2195729-2
EXTERNAL FULL BAND ANTENNA



TE Part # 2195729-1
EXTERNAL FULL BAND ANTENNA



TE Part # 2032439-3
RF CA, SMA PG ST TO UMCC GEN1, L100MM



TE Part # 2195773-1
LTE Terminal Antenna



TE Part # 2195774-1
Ext Antenna, SMA, active, GNSS, 1558-1615MHz




TE Part # 2195736-1
Terminal Ant, SMA, LTE, GNSS, 698-2700MHz



TE Part # 2118879-2
FPC Antenna, cable, SMA, 690-2700MHz



TE Part # 2195632-1
EXTERNAL DUAL BAND GSM ANTENNA



TE Part # 619135-1
BOARD TO BOARD CONNECTOR



TE Part # 1658260-2
RF BOARD TO BOARD ASSY, 750 PC



TE Part # 2032439-2
C/A, UMCC/SMA PLUG, 1.37MM TYPE III L=80




TE Part # 2118879-1
FPC Antenna,cable,SMA,690-2700MHz



TE Part # 2118879-4
FPC Antenna,cable,SMA,690-2700MHz



TE Part # 2118879-6
FPC Antenna,cable,SMA,690-2700MHz



TE Part # 2195775-1
433MHz Terminal Antenna



TE Part # 2195890-1
LTE Terminal Antenna



TE Part # 2195892-1
433MHz Terminal Antenna

Customers Also Bought



TE Part #1-338084-3
RJ22 Connectors



TE Part #1-338086-6
RJ25 Connectors



TE Part #1-1393763-0
V23100V4015A000



TE Part #9-1879337-8
CPF 0603 25K5 1% 50PPM 1K RL



TE Part #1-1879417-5
CPF 0603 680K 0.1% 25PPM 1K RL



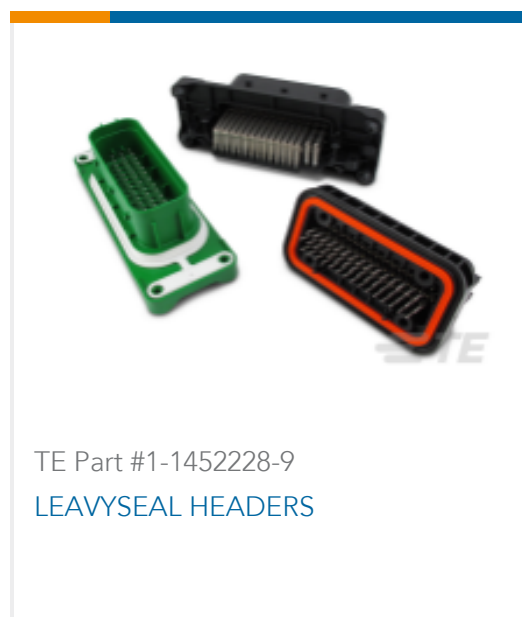
TE Part #1-1614884-5
CPF 0805 8R2 0.1% 25PPM 1K RL



TE Part #1-2176345-2
CRGQC 1210 82R 1%



TE Part #1-1415015-1
Forced Guided Relay, Reinforced Insulate



Documents

Product Drawings

[SMA Str PCB Skt GZD](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_5-1814832-2_C.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_5-1814832-2_C.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_5-1814832-2_C.3d_stp.zip](#)

English

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Datasheets & Catalog Pages

[1-1773725-8_RF_COAX_QRG](#)

English

Product Specifications

[Economy RF Coaxial Connectors](#)

English

[Product Specification](#)

English

Product Environmental Compliance

[Product Compliance](#)

English

[Product Compliance](#)

English