

5-1814832-2 ✓ ACTIVE



TE Internal #: 5-1814832-2

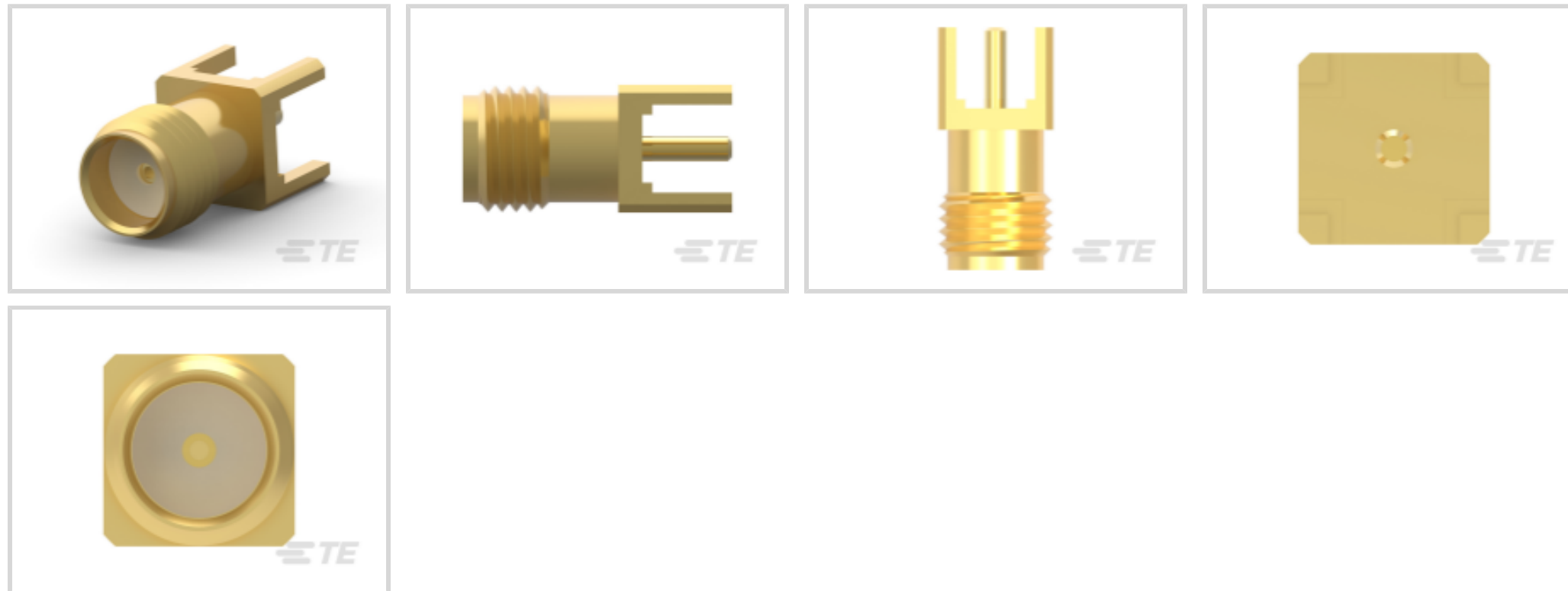
RF Connectors, SMA RF Interface, Jack, RF Connector Mated Outer

Diameter (Approximate) .25 in [6.35 mm], 50  $\Omega$ , 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  $\Omega$**

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 $\Omega$
-----------	-------------

### Body Features

Body Material	Zinc Alloy
---------------	------------



Body Plating Material	Gold
-----------------------	------

### Contact Features

RF Connector Contact Configuration	Not Captivated
------------------------------------	----------------

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

RF Connector Center Contact Material	Phosphor Bronze
--------------------------------------	-----------------

### Termination Features

Termination Method to Printed Circuit Board	Through Hole - Solder
---	-----------------------

Termination Post & Tail Length	4 mm [.157 in]
--------------------------------	----------------

### Mechanical Attachment

RF Connector Coupling Mechanism	Threaded
---------------------------------	----------

Connector Mounting Type	Board Mount
-------------------------	-------------

RF Contact Captivation Method	Mechanical
-------------------------------	------------

Detent	Without
--------	---------

### Dimensions

Product Length	13.5 mm [.532 in]
----------------	-------------------

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

Height Above PC Board	7.8 mm [.307 in]
-----------------------	------------------

### Usage Conditions

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

### Operation/Application

Operating Frequency	3 GHz
---------------------	-------

### Packaging Features

Packaging Quantity	1
--------------------	---

Packaging Method	Box
------------------	-----

### Other

Grade	Commercial
-------	------------

Dielectric Material	PTFE
---------------------	------

### 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
------------------------------	---------------------------

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

Current ECHA Candidate List: JUN 2020 (209)

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 Model / Part # 2195773-1  
LTE Terminal Antenna



TE Model / Part # 2195632-1  
EXTERNAL DUAL BAND GSM ANTENNA



TE Model / Part # 2195775-1  
433MHz Terminal Antenna




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




TE Model / Part # 2195736-1  
LTE Terminal Antenna



TE Model / Part # 2118879-2  
FPC Antenna,cable,SMA,690-2700MHZ



TE Model / Part # 619135-1  
BOARD TO BOARD CONNECTOR



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



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



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



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



TE Model / Part # 2195729-1  
EXTERNAL FULL BAND ANTENNA



TE Model / Part # 2195729-2  
EXTERNAL FULL BAND ANTENNA



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



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

## Customers Also Bought



TE Model / Part #5747236-2  
15 MSFL PLUG RA 318 (FM)



TE Model / Part #1483355-1  
MICRO-MATCH LEAD 14P 100MM



TE Model / Part #5148059-5  
ASSY,RECEPTACLE,EUROCARD,TYPE  
C,LEAD-FRE



TE Model / Part #1624353-2  
NTC0805 5% 22K



TE Model / Part #3-2176310-2  
RP 1E 0.1W 226R 0.1% 25PPM 1K RL



TE Model / Part #20009605-12  
Compact Compression Load Cell



TE Model / Part #2-1676970-6  
RN 0603 187R 0.1% 10PPM 1K RL



TE Model / Part #1624359-2  
NTC0805 5% 33K



TE Model / Part #1622478-1  
LR1 1% 432R



TE Model / Part #6-1879263-7  
RP 2B 48K7 0.1% 15PPM CUT LENGTH

## 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

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

---

### 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

---