

5-1814400-2 ✓ ACTIVE

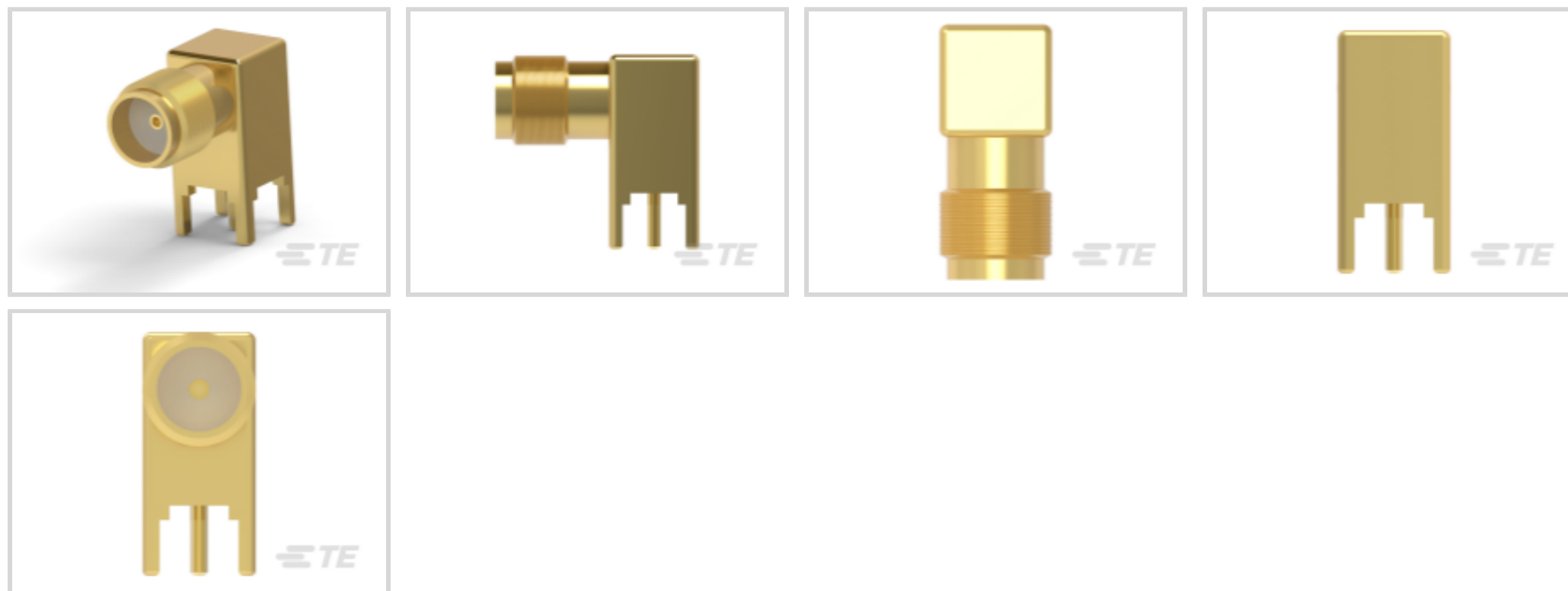
TE Internal #: 5-1814400-2

SMA RF Interface, Jack, 50 Ω , Threaded, 3 GHz Operating Frequency, Cable-to-Board, 1 Position, Printed Circuit Board, Board Mount

[View on TE.com >](#)



Connectors > RF Connectors > Coax 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

| | |
|----------------------------|-------------|
| PCB Mount Orientation | Right Angle |
| Number of Positions | 1 |
| Number of Coaxial Contacts | 1 |

Electrical Characteristics

| | |
|-----------|-------------|
| Impedance | 50 Ω |
|-----------|-------------|

Body Features

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



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

Contact Features

| | |
|--|------------------|
| | 30 μ m |
| RF Connector Contact Configuration | Not Captivated |
| RF Connector Center Contact Plating Material | Gold |
| RF Connector Center Contact Material | Beryllium Copper |

Termination Features

| | |
|---|-----------------------|
| Termination Post & Tail Length | 3.9 mm[.153 in] |
| Termination Method to Printed Circuit Board | Through Hole - Solder |

Mechanical Attachment

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

Dimensions

| | |
|---|------------------|
| Profile Height from PCB | 9.63 mm[.379 in] |
| Product Length | 14.2 mm[.559 in] |
| RF Connector Mated Outer Diameter (Approximate) | 6.35 mm[.25 in] |

Usage Conditions

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

Operation/Application

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

Packaging Features

| | |
|--------------------|-------------|
| Packaging Quantity | 350 |
| Packaging Method | Tape & Reel |

Other

| | |
|---------------------|------------|
| Grade | Commercial |
| Dielectric Material | PTFE |

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 | Current ECHA Candidate List: JUNE 2023 (235) Candidate List Declared Against: JUNE 2023 (235) Does not contain REACH SVHC |
| 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

| | | | |
|--|--|---|--|
| <p>TE Part # 2108923-1 External Ant., SMA, Wi-Fi 6E(Black)</p> | <p>TE Part # 2108923-2 External Ant., SMA, Wi-Fi 6E(White)</p> | <p>TE Part # 2108936-1 Terminal Antenna, SMA, WLAN Dual Band</p> | <p>TE Part # 2108936-2 Terminal Antenna, RP SMA, WLAN Dual Band</p> |
| <p>TE Part # 619135-1 BOARD TO BOARD CONNECTOR</p> | <p>TE Part # 1658260-2 RF BOARD TO BOARD ASSY, 750 PC</p> | <p>TE Part # 2032439-2 C/A, UMCC/SMA PLUG, 1.37MM TYPE III L=80</p> | <p>TE Part # 2108855-1 Active ant.,SMA,5m,L1+G1 & L2+L5+E5b+G2</p> |



TE Part # 2108940-1
Terminal Ant, SMA, LTE,GNSS,698-2700MHz



TE Part # 2108940-2
Terminal Ant,RP-SMA,LTE,GNSS,698-2700MHz



TE Part # 2195889-1
Terminal Ant, 5G, SMA, 600-6000MHz



TE Part # 2195889-2
External Ant, SMA, 600-6000MHz



TE Part # 2195890-1
LTE Terminal Antenna



TE Part # 2195891-1
Ext Antenna,SMA,active,GNSS,1558-1615MHz



TE Part # 2195892-1
External Ant., SMA, 423-443MHz



TE Part # 2195892-2
External Ant., SMA, 423-443MHz



TE Part # 2363696-5
PUCK ANT CELL/WIFI/GPS SMA 2M

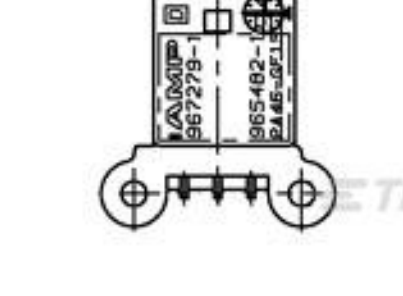


TE Part # 2195632-1
EXTERNAL DUAL BAND GSM ANTENNA

Customers Also Bought



TE Part #1-2328724-3
13PIN 0.3MMP FPC CONNECTOR, FRONT FLIP



TE Part #967279-4
3pos MQS .63 header 90deg THR



TE Part #1969592-8
HSG,REC,FREE-HANGING,DUALROW, EP2.5



TE Part #2825260-6
6P VRT HDR VAL-U-LOK HCS V0




TE Part #3-2232511-7
7P, RAST 5 TAB HEADER, THV



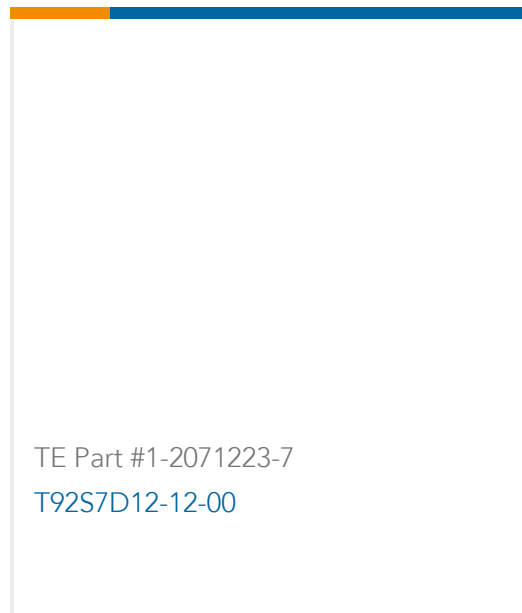
TE Part #6-1423008-1
T92S7D1X-12-99



TE Part #1-2176322-9
SMV 1W 3M3 5%



TE Part #5-1423008-7
T92-4012,001



Documents

Product Drawings

[SMA R/A PCB Skt GZD](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_5-1814400-2_D.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_5-1814400-2_D.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_5-1814400-2_D.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