

5-1814400-2 ✓ ACTIVE



TE Internal #: 5-1814400-2

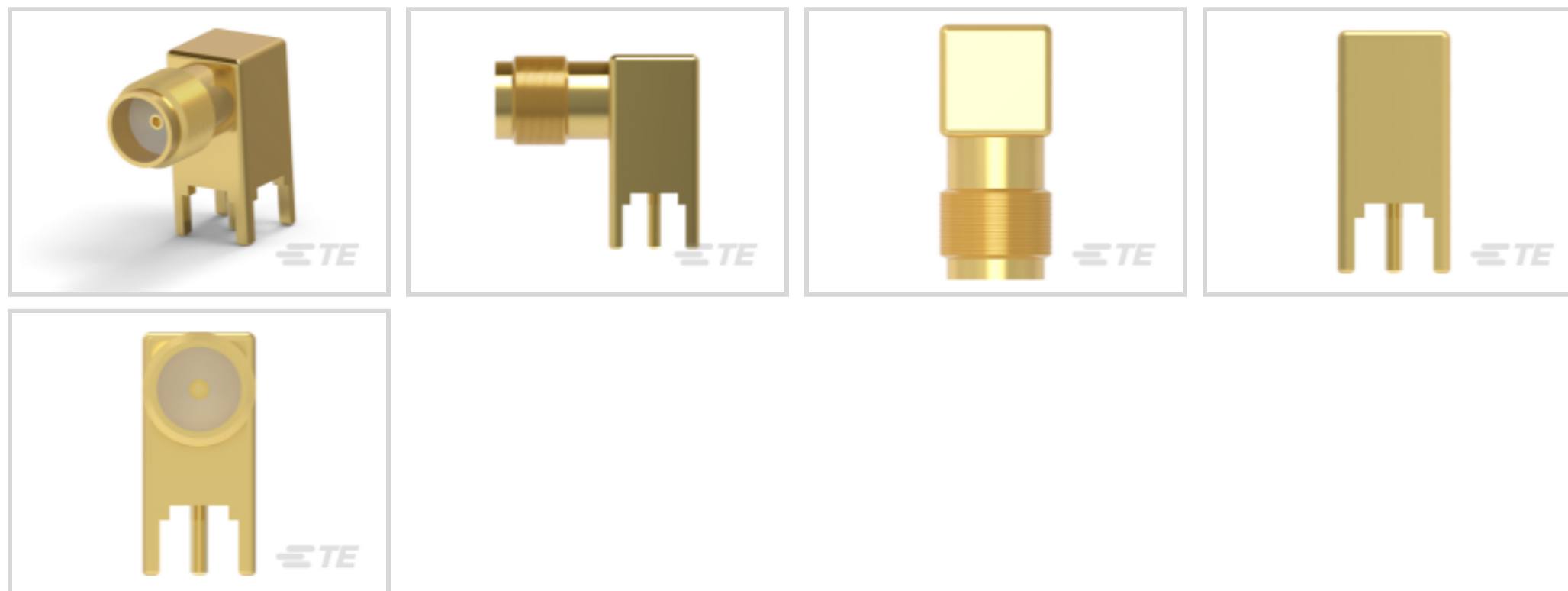
RF Plugs & Jacks, SMA RF Interface, Jack, 50 Ω , Threaded, 3 GHz

Operating Frequency, Cable-to-Board, 1 Position, Printed Circuit

Board, Board Mount

[View on TE.com >](#)

Connectors > RF Connectors > RF Plugs & Jacks



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
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Body Features

Body Material	Zinc Alloy
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Body Plating Material	Gold
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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]
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Operation/Application

Operating Frequency	3 GHz
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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
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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 2022 (224) Candidate List Declared Against: JUNE 2022 (224) 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 # 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>
 <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 # 2108940-2 Terminal Ant,RP-SMA,LTE,GNSS,698- 2700MHz</p>	 <p>TE Part # 2195889-1 Terminal Ant, 5G, SMA, 600-6000MHz</p>





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 # 2108936-2
Terminal Antenna, RP SMA, WLAN Dual Band



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



TE Part # 2108936-1
Terminal Antenna, SMA, WLAN Dual Band



TE Part # 2195632-1
EXTERNAL DUAL BAND GSM ANTENNA

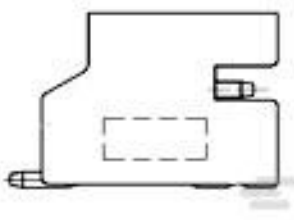
Customers Also Bought



TE Part #745183-1
09 RCPT SP/MS STD



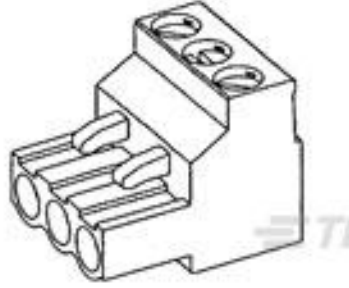
TE Part #5-794677-4
24POS MICRO MNL ASSY,R/A,THRU



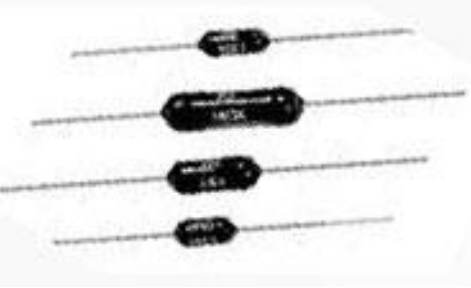
TE Part #1-1775469-5
HPI CONN., 2.0MM, R/A, SMT, 15P, 80U



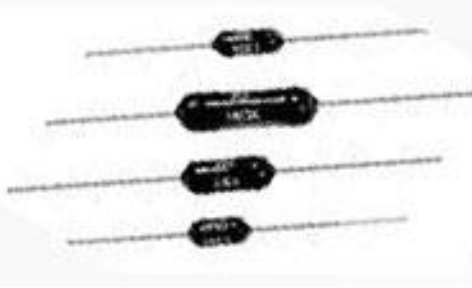
TE Part #2-1879129-1
RN 0402 1K4 0.1% 10PPM 5K RL



TE Part #1-796640-2
12 POS 5.0 MM R/A PLUG,TRM BLK



TE Part #8-1879671-6
H4 67R3 0.1% 25PPM



TE Part #7-1879682-8
H8 63R4 0.1% 50PPM



TE Part #6766604-1
CONN,PIN,FLATPAQ

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