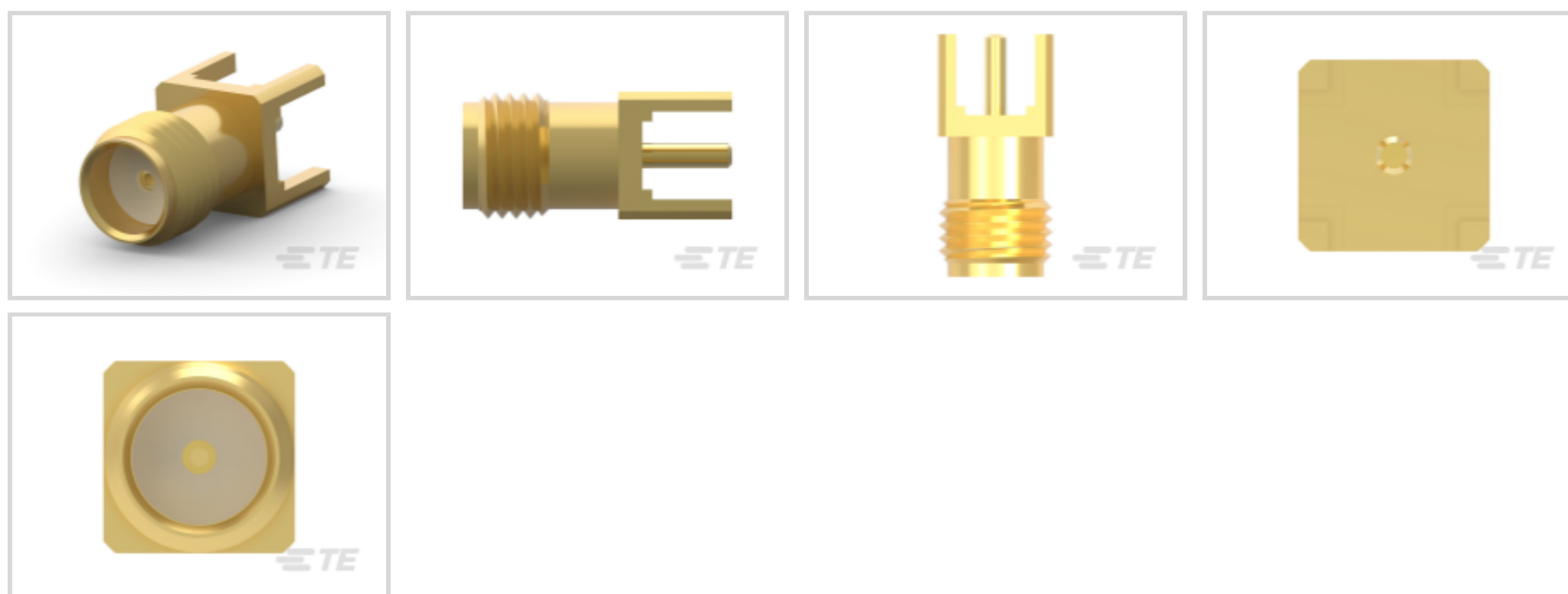




TE Internal #: 5-1814832-2
 RF Plugs & Jacks, SMA RF Interface, Jack, 50 Ω, Threaded, 3 GHz
 Operating Frequency, Cable-to-Board, 1 Position, Printed Circuit
 Board, Board Mount

[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	Vertical
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

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

Profile Height from PCB	7.8 mm[.307 in]
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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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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>](#)

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: JUNE 2022 (224)

Candidate List Declared Against: JUNE 2022 (224)

SVHC > Threshold:

Pb (.35% 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 # 2118879-2
PCB Ant., SMA RA, 457mm, 0.7-2.7GHz



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



TE Part # 2108855-1
Active ant.,SMA,5m,L1+G1 & L2+L5+E5b+G2















TE Part # 2108923-1
External Ant., SMA, Wi-Fi 6E(Black)



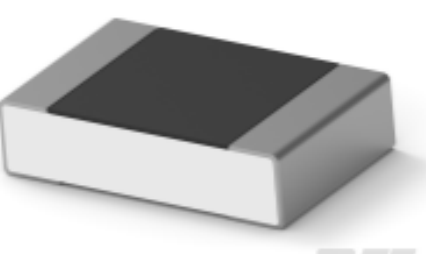


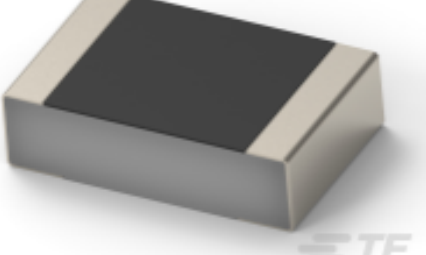

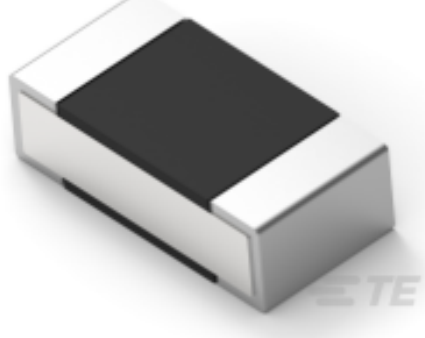


TE Part # 2108923-2
External Ant., SMA, Wi-Fi 6E(White)



 <p>TE Part # 2108940-2 Terminal Ant, RP-SMA, LTE, GNSS, 698-2700MHz</p>	 <p>TE Part # 2118879-1 PCB Ant., SMA RA, 254mm, 0.7-2.7GHz</p>	 <p>TE Part # 2118879-4 PCB Ant., SMA, 130mm, 0.7-2.7GHz</p>	 <p>TE Part # 2118879-6 FPC Antenna, cable, SMA, 690-2700MHz</p>
 <p>TE Part # 2195889-1 Terminal Ant, 5G, SMA, 600-6000MHz</p>	 <p>TE Part # 2195889-2 External Ant, SMA, 600-6000MHz</p>	 <p>TE Part # 2195890-1 LTE Terminal Antenna</p>	 <p>TE Part # 2195891-1 Ext Antenna, SMA, active, GNSS, 1558-1615MHz</p>
 <p>TE Part # 2195892-1 External Ant., SMA, 423-443MHz</p>	 <p>TE Part # 2108936-2 Terminal Antenna, RP SMA, WLAN Dual Band</p>	 <p>TE Part # 2108940-1 Terminal Ant, SMA, LTE, GNSS, 698-2700MHz</p>	 <p>TE Part # 2108936-1 Terminal Antenna, SMA, WLAN Dual Band</p>

Customers Also Bought

 <p>TE Part #4-1879075-7 THS25 680R 5%</p>	 <p>TE Part #1-1879023-7 3650 1008 0.10uH 5% 2K RL</p>	 <p>TE Part #9-2176378-8 RQ 0805 102R 0.1% 10PPM 5K RL</p>	 <p>TE Part #1956020-2 V23092-B1012-A302</p>
 <p>TE Part #2118651-1 RF CA, UMCC GEN1-GEN1, 1.13MM CABLE, L140MM</p>	 <p>TE Part #2-2176451-1 CPF 0201 80R6 0.1% 25ppm 1K RL</p>	 <p>TE Part #5-2176456-9 CPF 0603 4R02 0.1% 25ppm 1K RL</p>	 <p>TE Part #7-2176306-8 RP 1E 0.1W 7K32 0.1% 25PPM 5K RL</p>



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