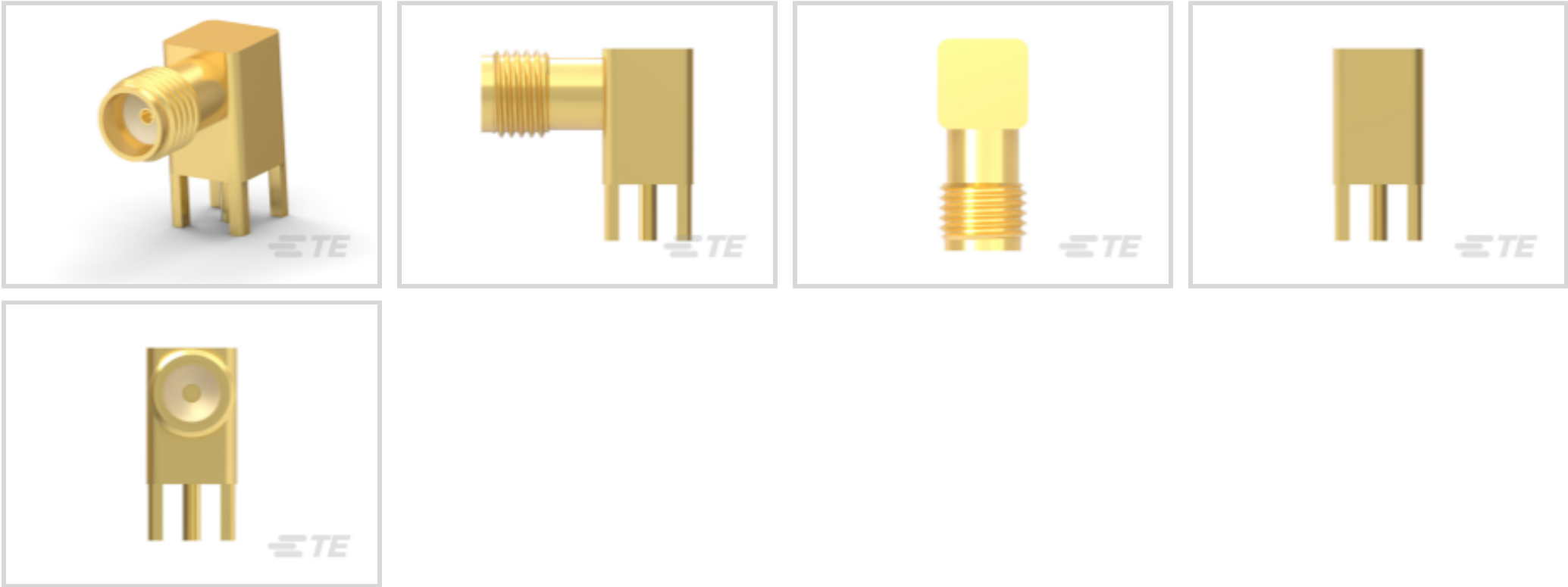




Connectors > RF Connectors > Coax Connectors



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
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Body Features

Body Material	Stainless Steel
Body Plating Material	Gold



Contact Features

RF Connector Contact Configuration	Not Captivated
RF Connector Center Contact Underplating Material	Nickel
RF Connector Center Contact Plating Material	Gold (Au)
RF Connector Center Contact Material	Beryllium Copper

Termination Features

Termination Method to PCB	Through Hole - Solder
Termination Post & Tail Length	3.94 mm[.155 in]
Termination Method to Wire & Cable	Solder Terminal

Mechanical Attachment

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

Dimensions

Product Length	15.24 mm[.6 in]
Profile Height from PCB	9.7 mm[.38 in]
RF Connector Mated Outer Diameter (Approximate)	6.35 mm[.25 in]

Operation/Application

Operating Frequency	4 GHz
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Packaging Features

Packaging Method	Package
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Other

Dielectric Material	Fluoropolymer
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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
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: JAN 2025 (247)



Candidate List Declared Against: JUL 2021  
(219)  
SVHC > Threshold:  
Pb (.6% 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	Pin-in-Paste capable to 260°C

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>

Also in the Series | SMA

A black plastic battery holder with two slots for batteries and a small metal contact.

Battery Holders(1)

A collection of various metal and plastic connector adapters and savers, including SMA and BNC types.

Connector Adapters & Connector Savers(8)

Three different types of connector caps and covers, one orange, one grey, and one black.

Connector Caps & Covers(3)

A collection of various connector hardware components, including SMA and BNC connectors, and a red plastic component.

Connector Hardware(2)

A black plastic connector strain relief component.

Connector Strain Relief(1)

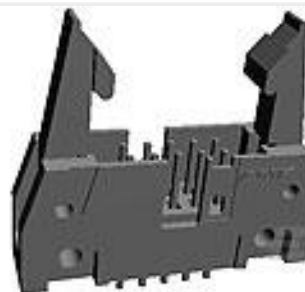
Two RF cable assemblies, one with a SMA connector and one with a BNC connector.

RF Cable Assemblies(2)

Customers Also Bought



TE Part #1-747947-7  
KIT,RCPT,25P,HDE,SHLD ENCLSRE



TE Part #1-5499160-2  
A/L UNIV HDR 64P VERT SHT LAT



TE Part #2170805-5  
CAGE ASSEMBLY, 1X2, QSFP28, SPRING



TE Part #2-1375820-1  
CST-100 II HOUSING 21 POS



TE Part #2176403-1  
3550 1R0 1%



TE Part #1375799-1  
ASSY, 120 POS PC104 PLUS



TE Part #748627-2  
SHLD JACKSCREW,PLTD



TE Part #5413959-3  
BNC HEX RT ANG PLUG 50 OHM



TE Part #796375-1  
CPC POSTED RCPT,13-9,R/A



TE Part #747515-7  
09 HDE PMOLD PLUG, LEAD FREE

Documents

Product Drawings

JACK,RIGHT ANGLE,PCB,SMA

English

CAD Files

Customer View Model

ENG\_CVM\_CVM\_221790-1\_M.2d\_dxf.zip

English

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_221790-1\_M.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_221790-1\_M.3d\_stp.zip

English

By downloading the CAD file I accept and agree to the Terms and Conditions of use.

Datasheets & Catalog Pages



SMA Connectors

English

Product Specifications

Product Specification

English

Product Specification

English