447648-3   ✕ OBSOLETE

AMP | SMA

TE Internal #: 447648-3

TE Internal Description: JACK, SMA, HEX CRIMP COMM

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**

Compatible With RF Cable Type: **RG 174, RG 188, RG 316**

Features

Product Type Features

Connector Product Type	Connector Assembly
RF Interface	SMA
RF Connector Style	Jack
Compatible With RF Cable Type	RG 174, RG 188, RG 316
Connector System	Cable-to-Cable
Sealable	No
Connector & Contact Terminates To	Wire & Cable

Configuration Features

PCB Mount Orientation	Vertical
Number of Positions	1
Number of Coaxial Contacts	1

Electrical Characteristics

Impedance	50 Ω

Body Features

Body Underplating Material	Copper

Cable Connector Orientation	Straight
Body Material	Brass
Body Material Finish	Bright
Body Plating Material	Nickel

Contact Features

Crimp Type	Hexagonal Crimping
RF Connector Contact Configuration	Captivated Contacts
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	Surface Mount
Termination Method to Wire & Cable	Crimp

Mechanical Attachment

RF Connector Coupling Mechanism	Screw
Connector Mounting Type	Panel Mount
RF Contact Captivation Method	Mechanical
Detent	Without

Dimensions

Product Length	27.43 mm[1.08 in]
RF Connector Mated Outer Diameter (Approximate)	6.35 mm[.25 in]

Operation/Application

Circuit Application	Signal

Packaging Features

Packaging Method	Carton

Other

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: JAN 2025 (247) Candidate List Declared Against: JAN 2021 (211) SVHC > Threshold: Pb (3.7% 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 applicable 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

Also in the Series | SMA
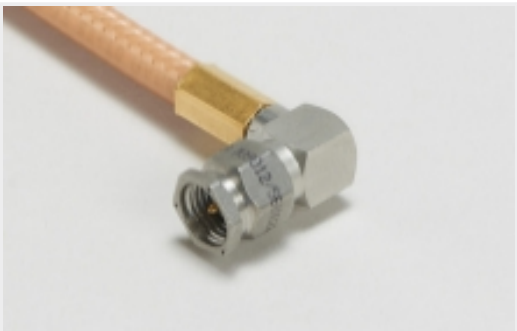

Battery Holders(1)

Connector Adapters & Connector Savers(8)

Connector Caps & Covers(3)
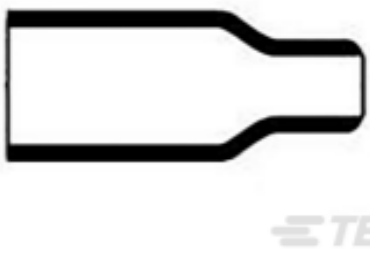

Connector Strain Relief(1)

RF Cable Assemblies(2)
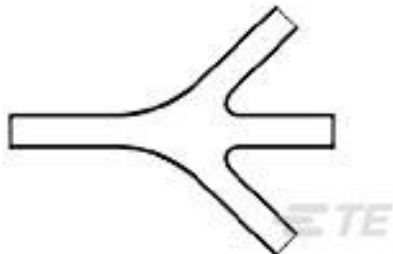
Customers Also Bought
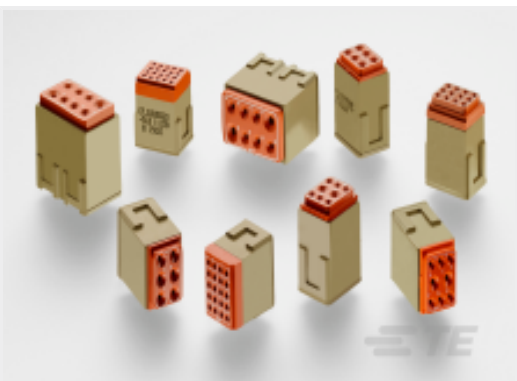
TE Part #814516-000
222D221-4-0

TE Part #CAT-R21-5670145
Slim Line Heat Shrink Boots: Non Lipped, Straight

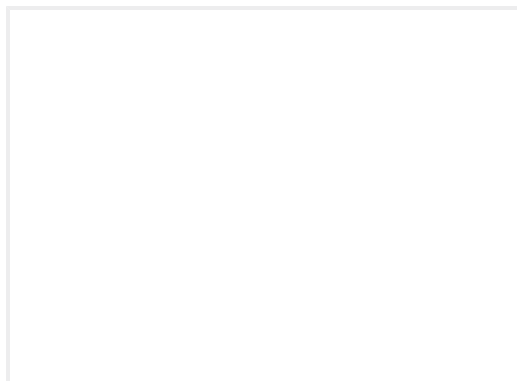TE Part #807683-000
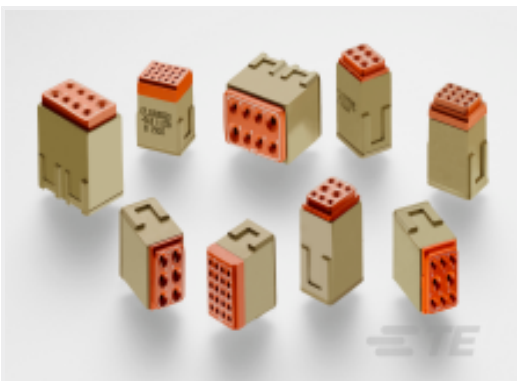222D142-4-60/42-0

TE Part #819104-000
462A422-51-0

TE Part #YCTD126E01AC015000
MODULE ASSY

TE Part #808081-000
202D932-12-0

TE Part #806430N001
202E346-51-0

TE Part #CTD160E01F-513
MODULE ASSY

Documents

Product Drawings

JACK, SMA, HEX CRIMP COMM

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_447648-3_K.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_447648-3_K.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_447648-3_K.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

Instruction Sheets

Instruction Sheet (U.S.)

English

50-Ohm SMA Series Hex Crimp Commercial RF Connectors

English