2016166-1 ✔ ACTIVE

BNC

TE Internal #: 2016166-1

BNC Connector, Jack, 50 ohm, Bayonet, 4 GHz, Cable-to-Board, 1 Position, Printed Circuit Board, Panel Mount, -55 – 85 °C [-67 – 185 °F], Zinc, BNC

View on TE.com >

Connectors > RF Connectors > Coax Connectors







RF Interface: **BNC**

RF Connector Style: **Jack**

Impedance: **50 Ω**

RF Connector Coupling Mechanism: **Bayonet**

Operating Frequency Range: **4 GHz**

Features

Product Type Features

RF Interface	BNC
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

Body Features

Body Material	Zinc
Body Plating Material	Tin

Contact Features

RF Connector Center Contact Plating Thickness	3 µm[118 µin]
RF Connector Center Contact Plating Material	Gold (Au)
RF Connector Center Contact Material	Bronze

Termination Features

Termination Method to PCB	Through Hole - Solder
Termination Post & Tail Length	3.33 mm[.131 in]

Mechanical Attachment

RF Connector Coupling Mechanism	Bayonet
Connector Mounting Type	Panel Mount
RF Contact Captivation Method	Mechanical
Detent	With

Dimensions

Profile Height from PCB	23.9 mm[.941 in]

Usage Conditions

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

Operation/Application

Operating Frequency Range	4 GHz

Packaging Features

Packaging Method	Box

Other

Dielectric Material	Polytetrafluoroethylene (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	有害物质含量超出标准 Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2024 (241)

	SVHC > Threshold: Pb (4% 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	Reflow solder capable to 260°C

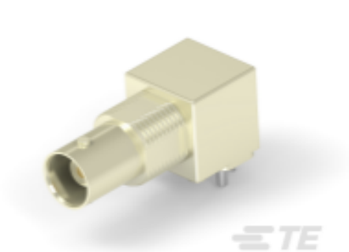
Product Compliance Disclaimer

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

Compatible Parts



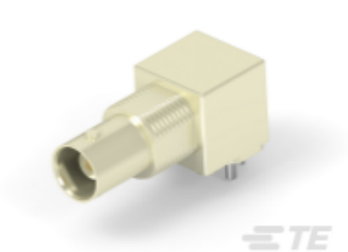
TE Part # 222246-2
CONTACT, PLUG, COML BNC



TE Part # 1-1337494-3
BNC R/A Shld PCB Skt 50Ohm Nickel Pltd 0



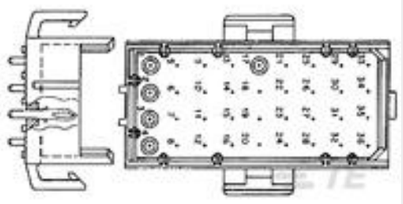
TE Part # 221629-1
TERMINATOR,BNC,50 OHM,1 WATT



TE Part # 6-1337494-3
BNC R/A Shld PCB Skt 50Ohm Nickel Pltd B

Also in the Series

Customers Also Bought



TE Part #2-640504-2
20P MR HDR ASSY VO LF



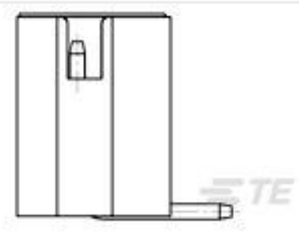
TE Part #1461405-5
OJ-SH-112HM,000



TE Part #1551574-5
Shield Finger, Loose Piece

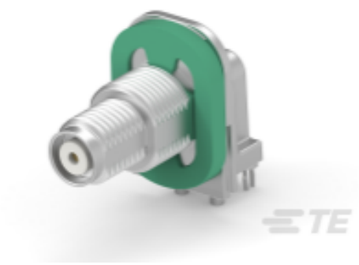


TE Part #1-1658260-2
RF BOARD TO BOARD ASSY, 750 PC



TE Part #2-1775470-2
HPI CONN., 2.0MM, V/T, SMT, 2P, GF

TE Part #1-2327362-0
CAGE ASSY, QSFP-DD 1X1, STANDARD



TE Part #2016167-1
MINI UHF, RTANG ASSY

TE Part #2379677-1
RECEPT CAGE ASSY 1X4 QSFP DD

TE Part #1-2402216-1
ZSFP+ 1X4 CAGE ASSEMBLY, PRESSFIT, 1-LP

TE Part #2406955-1
POWER BLOCK, TALL

Documents

Product Drawings

JACK, R/A PCB, 50 OHM, BNC

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2016166-1_D1.3d_stp.zip

English

Customer View Model

ENG_CVM_CVM_2016166-1_D1.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2016166-1_D1.2d_dxf.zip

English

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

Datasheets & Catalog Pages

BNC Connectors

English

Product Specifications

Product Specification

English