



Connectors > RF Coax Connectors > RF Connectors > BNC Vertical Male (Jack) RF Connector, 50 Ohm, Bayonet Coupling Mechanism



RF Interface: **BNC**

RF Connector Style: **Jack**

RF Connector Mated Outer Diameter (Approximate): **14.53 mm [.572 in]**

Impedance: **50 Ω**

RF Connector Coupling Mechanism: **Bayonet**

All BNC Vertical Male (Jack) RF Connector, 50 Ohm, Bayonet Coupling Mechanism (32)

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

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

Electrical Characteristics

Impedance	50 Ω
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Body Features

Body Insulation	Without
Body Shape	Circular
Body Material	Zinc
Body Plating Material	Tin-Lead

Contact Features

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RF Connector Center Contact Underplating Material	Copper, Nickel
	1270 μin
RF Connector Center Contact Plating Material	Gold
RF Connector Center Contact Material	Beryllium Copper

Termination Features

Termination Method to Printed Circuit Board	Through Hole - Solder
Termination Post & Tail Length	5.1 mm[.2 in]

Mechanical Attachment

PCB Mount Retention	Without
RF Connector Coupling Mechanism	Bayonet
Connector Mounting Type	Board Mount
RF Contact Captivation Method	Mechanical
Detent	With

Dimensions

RF Connector Mated Outer Diameter (Approximate)	14.53 mm[.572 in]
Height Above PC Board	10.97 mm[.432 in]

Usage Conditions

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

Operating Frequency	4 GHz
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Packaging Features

Packaging Method	Carton
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Other

Grade	Commercial
Dielectric Material	PTFE

Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Not Yet Reviewed
EU ELV Directive 2000/53/EC	Not Compliant
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 2021
(211)
Candidate List Declared Against: JUL 2017
(174)
SVHC > Threshold:
Not Yet Reviewed

Halogen Content	Not Yet Reviewed for halogen content
Solder Process Capability	Pin-in-Paste capable to 245°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 Regulations, TE’s information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) ‘Guidance on requirements for substances in articles’(Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of ‘complex object’, the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA “Guidance on requirements for substances in articles” (June 2017, version 4.0) and will be updating its statements accordingly.

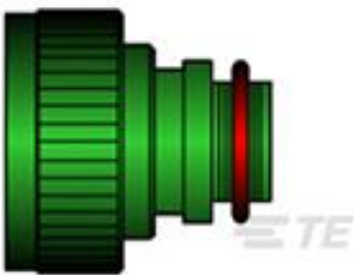
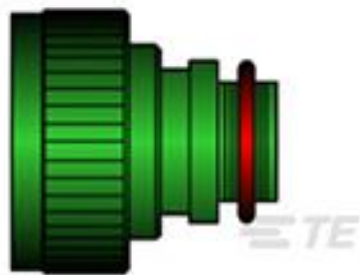
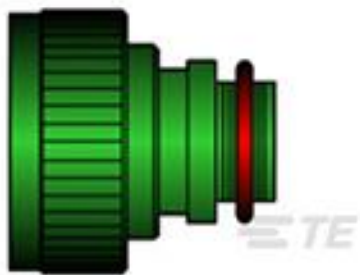
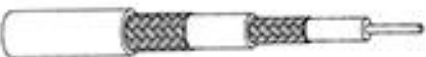
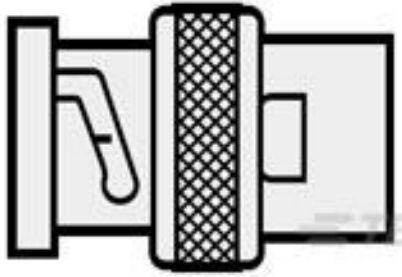
Compatible Parts

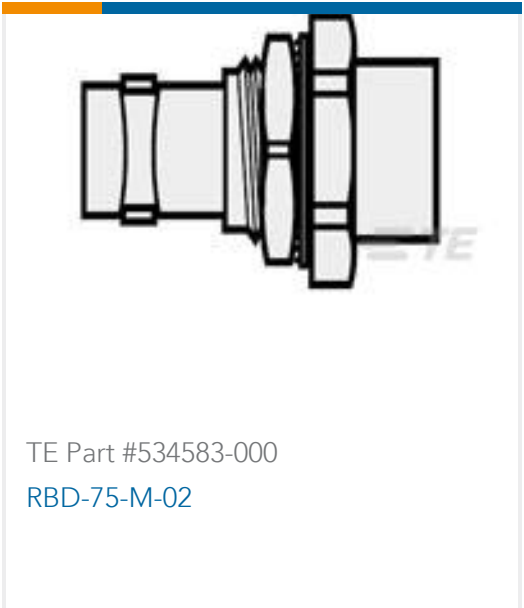
 TE Part # 221185-9 PLUG,75 OHM,COML BNC	 TE Part # 5-1634502-2 BNC Str Plg Hex 75Ohm Nickel Pltd RG59B/	 TE Part # 221185-5 PLUG,75 OHM,COML BNC	 TE Part # 221185-8 PLUG,75 OHM,COMMERCIAL BNC
 TE Part # 413589-2 KIT PLUG 75 OHM BNC HEX CRIMP	 TE Part # 413589-7 KIT PLUG 75 OHM BNC HEX CRIMP	 TE Part # 413589-9 KIT PLUG 75 OHM BNC HEX CRIMP	 TE Part # 2-221185-3 PLUG,75 OHM,COML BNC



 TE Part # 2-221185-6 PLUG, 75 OHM, COML BNC	 TE Part # 2-221185-9 PLUG, 75 OHM, COML BNC	 TE Part # 2-5221185-3 PLUG, 75 OHM, COML BNC	 TE Part # 2-5221185-6 PLUG, 75 OHM, COML BNC
 TE Part # 2-5413589-5 KIT, PLUG, COML BNC, HEX CRP, RA7000 CABLE	 TE Part # 2016080-2 JACK, PCB, COMMERCIAL BNC	 TE Part # 221185-1 PLUG 75 OHM COML BNC	 TE Part # 221185-2 PLUG, 75 OHM, COML BNC
 TE Part # 3-221185-1 PLUG, 75 OHM, COML BNC	 TE Part # 3-221185-4 PLUG, 75 OHM, COMMERCIAL BNC	 TE Part # 3-221185-6 PLUG, 75 OHM, COMM, BELDEN 633938	 TE Part # 3-5221185-1 PLUG, 75 OHM, COML BNC

Customers Also Bought

 TE Part #293973-000 TXR40AB00-1612AI	 TE Part #554173-000 TXR40AB00-1406AI	 TE Part #658819-000 TXR40AB00-1006AI	 TE Part #507762-000 D-602-0145
 TE Part #430079-000 7528A5314-0	 TE Part #918455-000 RBD-75-S-00	 TE Part #385193-000 D-181-2224-90/9	 TE Part #440063-007 7528A1317-0



Documents

Product Drawings

JACK, RTANG, PCB, 50 OHM, BNC

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_413631-2_S.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_413631-2_S.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_413631-2_S.3d_stp.zip

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Product Specifications

Product Specification

English

Product Specification

English

Product Environmental Compliance

TE Material Declaration

English