TE Internal #: 227079-7

RF Connectors, BNC RF Interface, Plug, RF Connector Mated Outer

Diameter (Approximate) .572 in [14.53 mm], 50  $\Omega$ 

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### Connectors > RF Coax Connectors > RF Connectors



RF Interface: BNC

RF Connector Style: Plug

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

Impedance:  $50 \Omega$ 

Compatible With RF Cable Type: RG 59, RG 59A, RG 59B, RG 62A, RG 62B

# **Features**

# **Product Type Features**

Troduct Type reatures	
RF Interface	BNC
RF Connector Style	Plug
Compatible With RF Cable Type	RG 59, RG 59A, RG 59B, RG 62, RG 62A, RG 62B
Connector System	Cable-to-Cable
Sealable	Yes
Connector & Contact Terminates To	Wire & Cable
Connector Seal Type	Gasket
Configuration Features	
Number of Positions	1
Number of Coaxial Contacts	1
Electrical Characteristics	
Impedance	50 Ω
Body Features	
Body Insulation	Without
Body Shape	Circular
Cable Connector Orientation	Straight
Body Material	Brass

Nickel

Body Plating Material



RF Connector Center Contact Underplating Material	Nickel
	1080 µin
Crimp Type	Dual
RF Connector Center Contact Plating Material	Gold
RF Connector Center Contact Material	Brass
Termination Features	
Termination Method to Wire & Cable	Crimp
Mechanical Attachment	
RF Connector Coupling Mechanism	Bayonet
Connector Mounting Type	Cable Mount (Free-Hanging)
RF Contact Captivation Method	Mechanical
Detent	With
Dimensions	
RF Connector Mated Outer Diameter (Approximate)	14.53 mm[.572 in]
Usage Conditions	
Operating Temperature Range	-55 – 85 °C[-67 – 185 °F]
Operation/Application	
Operating Frequency	4 GHz
Packaging Features	
Packaging Quantity	100
Packaging Method	Carton
Other	
Grade	Commercial
Coupling Nut Base Material	Brass
Dielectric Material	Polyethylene

# **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	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 2021

(211)

Candidate List Declared Against: JUL 2017

(174)

SVHC > Threshold: Not Yet Reviewed

Halogen Content

BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.

Not applicable for solder process capability

Product Compliance Disclaimer

Solder Process Capability

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 # CAT-076-BNCJKISG50
BNC RF Connector: Male (Jack)
Assembly, Isolated Ground Protection,
50 Ohm



TE Part # CAT-076-BNCVTBAY BNC Vertical Male (Jack) RF Connector, 50 Ohm, Bayonet Coupling Mechanism



TE Part # CAT-076-BNCRABAY BNC Right Angle M Jack RF Connector, 50 Ohm, Bayonet Coupling Mechanism



TE Part # CAT-076-BNCJKRA75C BNC RF Connector: Male (Jack), Rightangle, 75 Ohm



BNC RF Connector: Male (Jack), Right-

angle, 75 Ohm, 2 Ghz

TE Part # CAT-076-BNCPK4GMG
BNC RF Connector: Plug Kit, Straight,
4 GHz, Military Grade



TE Part # CAT-076-BNCJKSH50 BNC RF Connector: Male (Jack) assembly - short, 50 Ohm, 4Ghz



07/29/2021 10:45AM | Page 3





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



TE Part # 2-5221128-1
PLUG,COMMERCIAL BNC



TE Part # 5225395-1
BNC PLUG DUAL CRIMP RG58,A,B,C



TE Part # 5413589-8 KIT,PLUG,COML BNC,HEX CRP



TE Part # 1-1634612-0
BNC Ins R/A PCB Skt 50Ohm Black



TE Part # 5-1634500-2 BNC Str Plg Hex 50Ohm Nickel Pltd RG58C/



TE Part # 5-1634503-1
BNC Str PCB Skt 50Ohm Nickel Pltd



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



TE Part # 5-1634503-3
BNC Str PCB Skt 75Ohm Nickel Pltd



TE Part # 5227079-5 COMM BNC PLUG



TE Part # 6274291-2 JACK,VERT,PCB,75OHM,BNC



TE Part # 5225398-7
BNC DUAL CRIMP JACJ

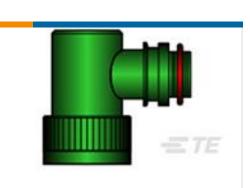
# Customers Also Bought



TE Part #485893-9 011 HOUSING FFC PIN 100CL SR



TE Part #66565-3 III+ SKT,24-20,15AU/FL,LP



TE Part #221069-000 TXR40AB90-2406AI



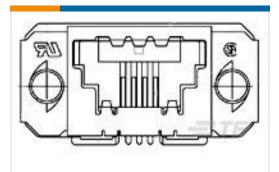
TE Part #3-643816-9 Nylon Tin Plated Receptacle: 2.54mm, With Mating Alignment, MTA 100



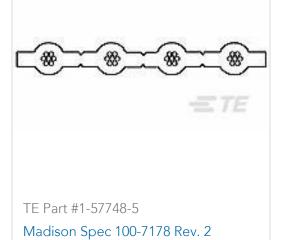
TE Part #3-643828-2 Nylon Tin Plated Receptacle: 2.54mm, No Mating Alignment, MTA 100



TE Part #YDTS26W15-19HNV001 D38999: Straight Plug, 15-19 Insert



TE Part #1-1761183-6 16 SDL TE RCPT ASSY









# **Documents**

### **CAD Files**

3D PDF

3D

**Customer View Model** 

ENG\_CVM\_CVM\_227079-7\_BU.2d\_dxf.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_227079-7\_BU.3d\_igs.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_227079-7\_BU.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

Plug, Coaxial, Commercial BNC

English

# Agency Approvals

**UL Report** 

English