



N Type

TE Internal #: CONN003-W
N Type Connector, Jack, 50 ohm, Threaded, 11 GHz, 1 Position,
Printed Circuit Board, Panel Mount, -60 – 165 °C [-76 – 329 °F],
Solder, N Type
[View on TE.com >](#)

Connectors > RF Connectors > Coax Connectors



RF Interface: **N Type**
RF Connector Style: **Jack**
Impedance: **50 Ω**
RF Connector Coupling Mechanism: **Threaded**
Operating Frequency Range: **11 GHz**

Features

Product Type Features

Connector Product Type	Connector Assembly
RF Interface	N Type
RF Connector Style	Jack
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Number of Positions	1
Number of Coaxial Contacts	1

Electrical Characteristics

Impedance	50 Ω
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Body Features

Body Material	Brass
Body Material Finish	Plated
Body Plating Material	White Bronze

Contact Features

RF Connector Center Contact Plating Material	Gold (Au)
RF Connector Center Contact Material	Phosphor Bronze



Termination Features

Termination Method to Wire & Cable	Solder
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Mechanical Attachment

Panel Mount Feature Type	Square Flange
RF Connector Coupling Mechanism	Threaded
Connector Mounting Type	Panel Mount
RF Contact Captivation Method	Mechanical
Detent	Without

Housing Features

Body Orientation	Straight
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Usage Conditions

Operating Temperature Range	-60 – 165 °C[-76 – 329 °F]
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Operation/Application

Circuit Application	Signal
Operating Frequency Range	11 GHz

Packaging Features

Packaging Quantity	80
Packaging Method	Bulk

Other

Dielectric Material	Polytetrafluoroethylene (PTFE)
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Product Compliance

For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Not Yet Reviewed
China RoHS 2 Directive MIIT Order No 32, 2016	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F < 900 ppm per homogenous material. Also BFR/CFR/PVC



Free

Solder Process Capability

Not reviewed 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 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 # ANT-MAG-RPSF-NM-1 Magnetic Base RPS Jack MR195 1M N Plug	 TE Part # ANT-5GW-SPNF1 Antenna 5G WB Cell Dome IP67 N Jack	 TE Part # ANT-450-HSW-NP Antenna HSW 450 IP67 N Jack	 TE Part # ANT-5GW-IPW2-NP Antenna Whip 5G WB Cell IP67 N Plug
 TE Part # ANT-MAG-SMAF-NM-1 Magnetic Base SMA Jack MR195 1M N Plug	 TE Part # ADP-NM-NF-R-W N Plug to N Jack RA	 TE Part # CSA-RPSM-216-SAFB SMA to RP-SMA 216mm RG174	 TE Part # ADP-RPSF-NM RP-SMA Jack to N Type Plug
 TE Part # L9000142-01 Antenna 868/915 LPWA Dome IP67 N Jack	 TE Part # C58LL-RPSM-2438-NM RP-SMA to N Type 2458mm RG58	 TE Part # CSO-NM-1200-NM N Type to N Type 1200mm LMR400	 TE Part # 1-1337630-0 N Str Plg Hex 50Ohm Nickel Plt

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TE Part # ANT-5GW-IPW3-NP
Antenna 5GW LPWA ISM IP67 N-Plug



TE Part # ANT-DB1-LP-RM-01-N
Antenna Directional Tri-Band Hi-Gain N



TE Part # ANT-W63-SPNF1
Antenna WiFi6/6E Dome N Jack



TE Part # CONSMA010
SMA Jack to SMA Plug RA



TE Part # ANT-W63-IPW1-NP
Antenna WiFi6/6E IP67 Whip N Plug



TE Part # ANT-5GW-IPW1-NP
Antenna Whip 5G WB Cell IP67 N Plug



TE Part # CONSMA010-G
SMA Jack to SMA Plug RA

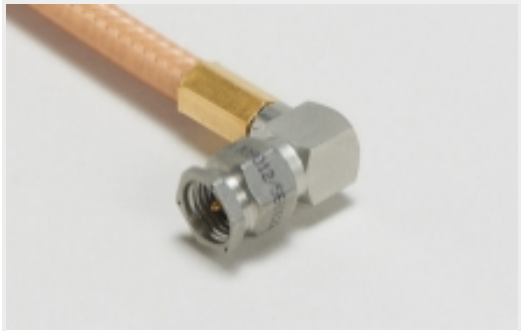


TE Part # CSD-NM-914-NM
N Type to N Type 914 mm RG58

Also in the Series | N Type



Coax Connectors(44)



RF Cable Assemblies(13)

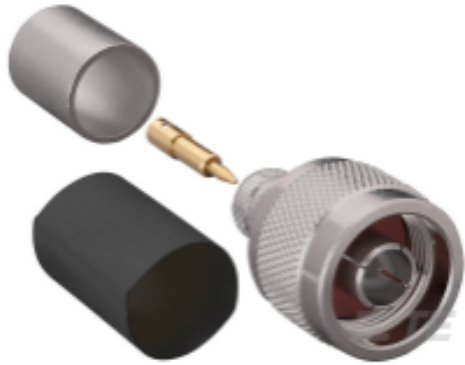
Customers Also Bought



TE Part #CONN002-W
N Type Jack 50 Ohm Panel Mount



TE Part #CSI-UFFR-300-UFFR
U.FL/MHF1 to U.FL/MHF1 300mm 1.13 OD



TE Part #CONN007-1-W
N Type Plug 50 Ohm Cable Crimp



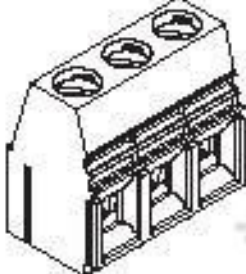
TE Part #5-146285-2
02 MODII HDR SRST B/A .100CL



TE Part #8-1437621-6
KFS400B1/8=KNOB ALUM BLACK ANO



TE Part #4-1625868-8
RP 2A 0.25W 16R5 0.1% 25PPM 1K RL



TE Part #1-1986660-3
3 Posn Power Connector, Black, 10.16 mm



TE Part #1-2176337-0
CRGCO 0402 56R 1%

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Documents

Product Drawings

N Type Jack 50 Ohm Panel Mount

English

CAD Files

Customer View Model

ENG_CVM_CVM_CONN003-W_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_CONN003-W_A.3d_stp.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_CONN003-W_A.2d_dxf.zip

English

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

Datasheets & Catalog Pages

N Jack Panel Mount Connector

English