



N Type Plug Right Angle 50 Ohm Coax Connector Crimp Attachment for RG55, RG141, RG142, RG223, RG400

RF Connectors Technical Data Sheet

MTCN0021

Configuration

- N Male Connector
- MIL-STD-348A
- 50 Ohms
- Right Angle Body Geometry
- RG55, RG141, RG142, RG223, RG400 Interface Type
- Crimp/Solder Attachment

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

MilesTek RF right angle N Type connector will ship the same day as purchased from our broad selection of military, aerospace and industrial radio frequency components. Our right angle N Type connector terminates to a coax interface which includes RG55, RG141, RG142, RG223 and RG400. This right angle N Type connector for coax has a 50 Ohm impedance and is just one part of our large, in-stock inventory.

Part number MTCN0021 N Type right angle connector from MilesTek is a male gender (also known as plug). This RF connector from MilesTek has a 1 GHz maximum frequency. Our 1 GHz N Type connector maximum frequency applies to RG55, RG141, RG142, RG223 and RG400 interfaces but may vary between them. Our radio frequency right angle N Type male (plug) crimp/solder connector is in-stock and does ship same-day.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		1,000	MHz
VSWR			1.5:1	
Operating Voltage (AC)			1,500	Vrms
Dielectric Withstanding Voltage (AC)			2,500	Vrms
Inner Conductor DC Resistance			1	mOhms
Outer Conductor DC Resistance			1	mOhms
Insulation Resistance	5,000			MOhms
RF Leakage	90			dB

Mechanical Specifications

Size

Length	1.8 in [45.72 mm]
Width/Dia.	1.29 in [32.77 mm]
Weight	0.127 lbs [57.61 g]
Mating Cycles	500 Cycles

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Type Plug Right Angle 50 Ohm Coax Connector Crimp Attachment for RG55, RG141, RG142, RG223, RG400 MTCN0021](#)



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Material Specifications

Description	Material	Plating
Contact	Brass	Gold 30 µin minimum
Insulation	PTFE	
Body	Brass	Nickel 100 µin minimum
Coupling Nut	Brass	Nickel

Environmental Specifications

Temperature

Operating Range

-65 to 165 deg C

Vibration

MIL-STD-202, Method 204, Condition B

Temperature Cycle

MIL-STD-202, Method 107, Condition B

Salt Spray

MIL-STD-202, Method 101, Condition B

Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

Our offering, used primarily in military, R&D and production applications, consists of a comprehensive line of MIL-STD-1553B data bus couplers, harnesses and cable assemblies, connectors and connector termination systems. MilesTek also offers expertise in manufacturing custom cable assemblies and harnesses.

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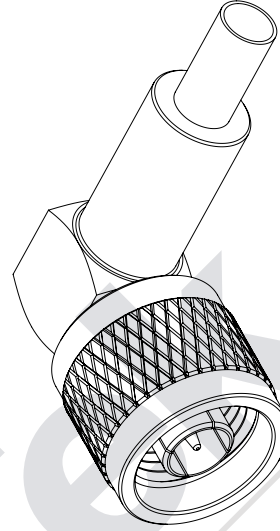
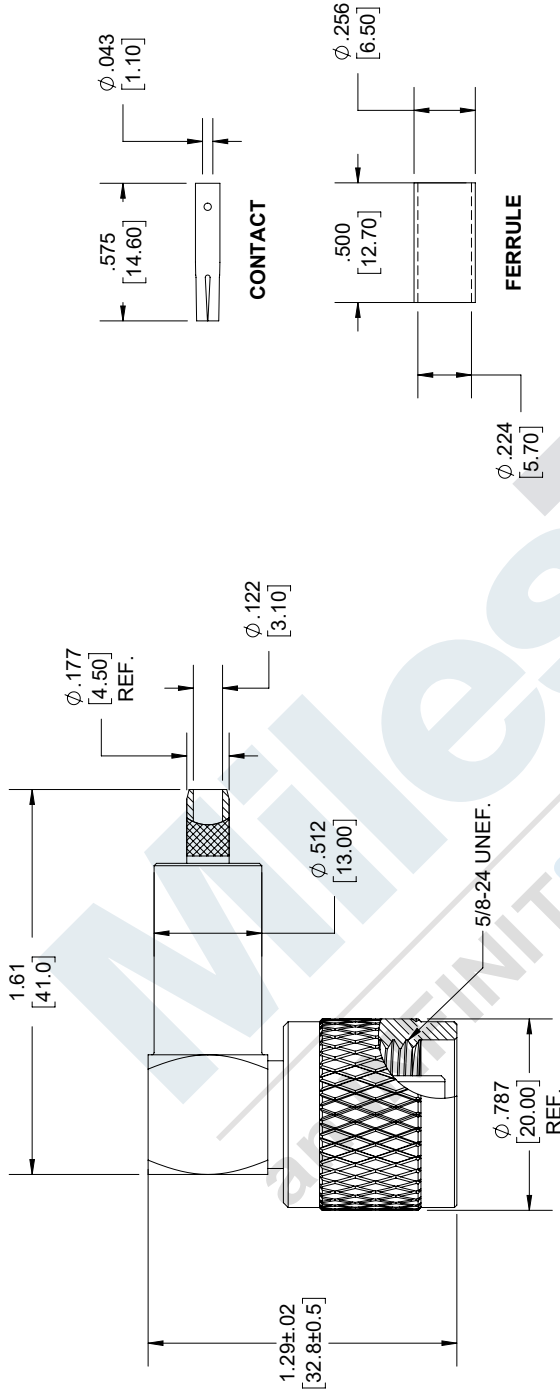
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The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. MilesTek reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. MilesTek does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and MilesTek does not assume any liability arising out of the use of any part or documentation.

MTCN0021 CAD Drawing

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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	12/03/18	SELLIS



STRIPPING DIMENSIONS

NOTES:

- CABLE ATTACHMENT:
 - OUTER: CRIMP.
 - INNER: SOLDER/CRIMP.
- CRIMP SIZE REQUIRED:
 - FERRULE: .213 [5.41] HEX. CRIMP TOOL.
 - CONTACT: .100 [2.54] HEX. CRIMP TOOL.

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UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE IN INCHES DIMENSIONS IN [] ARE IN MILLIMETERS	
TOLERANCES:	FRACTIONS
.X±.2 [5.08]	± 1/32
.XX±.01 [25]	± 1/64
XXX±.005 [13]	± 1/128
ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.	ANGLES ± 1°
THIRD-ANGLE PROJECTION	

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SCALE N/A	REV A
SIZE CAGE A 42977	DRAWN BY KDANG
PART NUMBER MTCN0021	REV A