MilesTek
an **INFINIT**e brand

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

RF Connectors Technical Data Sheet

MTCN0020

Configuration

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

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

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

Part number MTCN0020 N Type connector from MilesTek is a male gender (also known as plug). This RF connector from MilesTek has a 12.4 GHz maximum frequency. Our 12.4 GHz N Type connector maximum frequency applies to RG55, RG141, RG142, RG223 and RG400 interfaces but may vary between them. Our radio frequency N Type male (plug) crimp/crimp connector is in-stock and does ship same-day.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		12.4	GHz
Dielectric Withstanding Voltage (AC)			700	Vrms

Mechanical Specifications

Size

Length	1.43 in [36.32 mm]
Width/Dia.	0.812 in [20.62 mm]
Weight	0.073 lbs [33.11 g]

Material Specifications

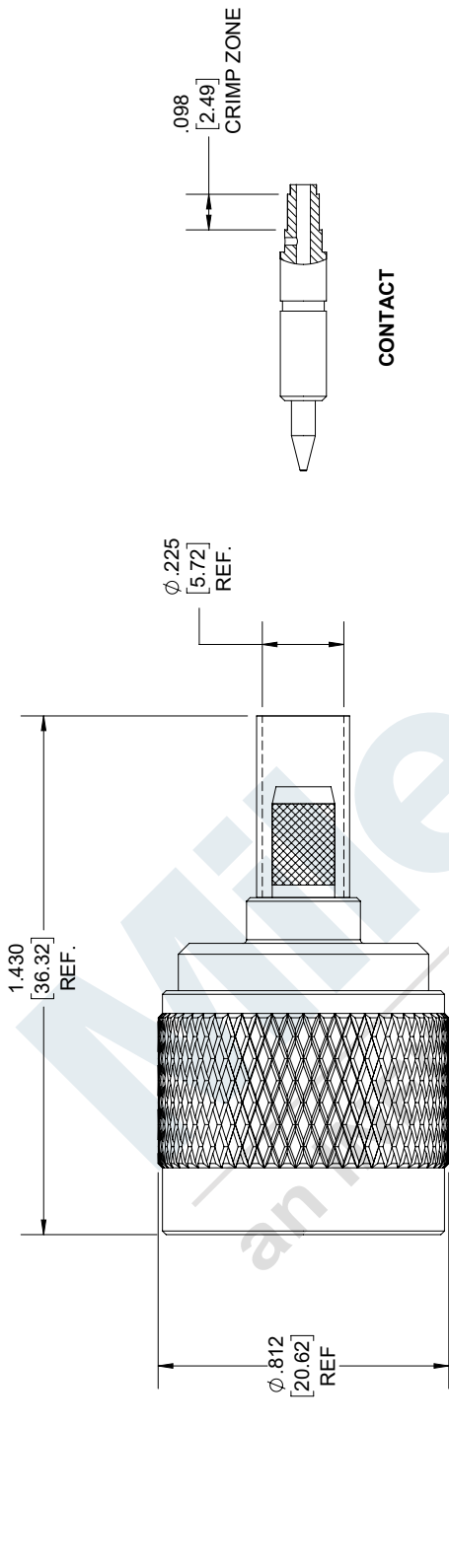| Description	Material	Plating
Contact	Brass	Silver ASTM-B700
Insulation	PTFE	
Body	Brass	Nickel ASTM-B689
Coupling Nut	Brass	Nickel ASTM-B689

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 50 Ohm Coax Connector Crimp Attachment for RG55, RG141, RG142, RG223, RG400 MTCN0020

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Environmental Specifications
Temperature
Operating Range　　　　　　　　　　　　　　　　-65 to 165 deg C

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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URL:

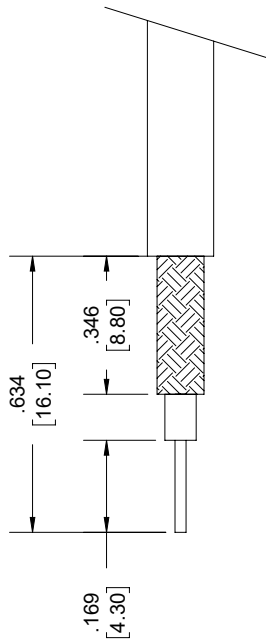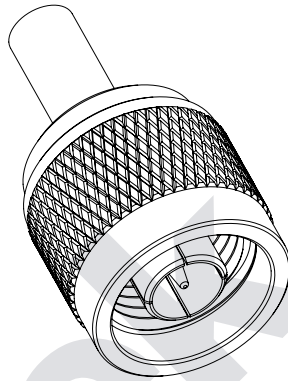# MTCN0020 CAD Drawing

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

.098
[2.49]
CRIMP ZONE

CONTACT

Ø.225
[5.72]
REF.

1.430
[36.32]
REF.

Ø.812
[20.62]
REF

STRIPPING DIMENSIONS

.346
[8.80]

.634
[16.10]

.169
[4.30]

NOTES:

1. CABLE ATTACHMENT:
   - OUTER: CRIMP.
   - INNER: SOLDER/CRIMP.
2. CRIMP SIZE REQUIRED:
   - FERRULE: .213 [5.41] HEX. CRIMP TOOL.
   - CONTACT: .068 [1.73] HEX. CRIMP TOOL.

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SIZE	CAGE	DRAWN BY	PART NUMBER
A	4Z977	KDANG	MTCN0020

SCALE	N/A	REV	A

SHEET 1 OF 1

UNLESS OTHERWISE SPECIFIED
LEADING DIMENSIONS ARE INCHES
DIMENSIONS IN [ ] ARE MILLIMETERS

TOLERANCES:
		FRACTIONS
X=± .2	[5.08]	± 1/32
XX=± .01	[.25]	ANGLES ± 1°
XXX=± .005	[.13]	

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

THIRD-ANGLE PROJECTION

T-Rev-A

MTCN0020 REV 1