



## BNC Plug 50 Ohm Coax Connector Crimp Attachment for RG316, RG174, RG188, LMR-100, LMR-100-FR

### RF Connectors Technical Data Sheet

MTCN0004

#### Configuration

- BNC Male Connector
- MIL-STD-348A
- 50 Ohms
- Straight Body Geometry
- RG316, RG174, RG188, LMR-100, LMR-100-FR Interface Type
- Crimp/Crimp Attachment

#### Applications

- General Purpose Test
- Custom Cable Assemblies

#### Description

MilesTek RF BNC connector will ship the same day as purchased from our broad selection of military, aerospace and industrial radio frequency components. Our BNC connector terminates to a coax interface which includes RG316, RG174, RG188, LMR-100 and LMR-100-FR. This BNC connector for coax has a 50 Ohm impedance and is just one part of our large, in-stock inventory.

Part number MTCN0004 BNC connector from MilesTek is a male gender (also known as plug). This RF connector from MilesTek has a 3 GHz maximum frequency. Our 3 GHz BNC connector maximum frequency applies to RG316, RG174, RG188, LMR-100 and LMR-100-FR interfaces but may vary between them. Our radio frequency BNC male (plug) crimp/crimp connector is in-stock and does ship same-day.

#### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		3	GHz
VSWR			1.25:1	
Operating Voltage (AC)			335	Vrms

#### Mechanical Specifications

Size	
Length	0.99 in [25.15 mm]
Width/Dia.	0.57 in [14.48 mm]
Weight	0.027 lbs [12.25 g]

#### Material Specifications

Description	Material	Plating
Contact	Brass	Gold 50 µin minimum
Insulation	PTFE	
Body	Brass	Nickel 100 µin minimum

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [BNC Plug 50 Ohm Coax Connector Crimp Attachment for RG316, RG174, RG188, LMR-100, LMR-100-FR MTCN0004](#)



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Coupling Nut	Brass	Nickel 100 µin minimum
Gasket	Silicone Rubber	

#### 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.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [BNC Plug 50 Ohm Coax Connector Crimp Attachment for RG316, RG174, RG188, LMR-100, LMR-100-FR MTCN0004](#)

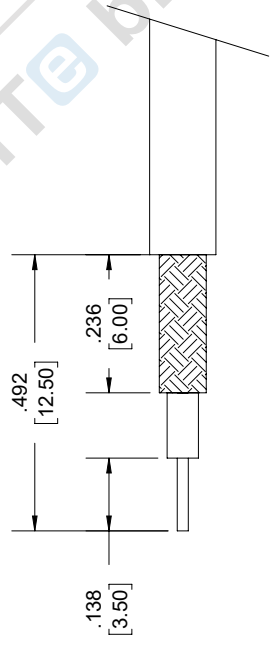
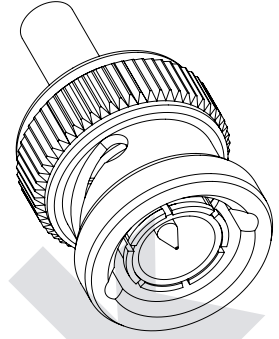
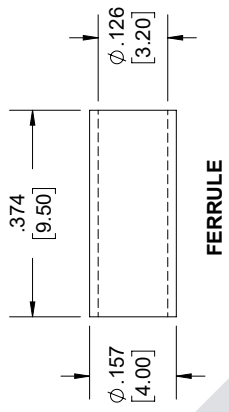
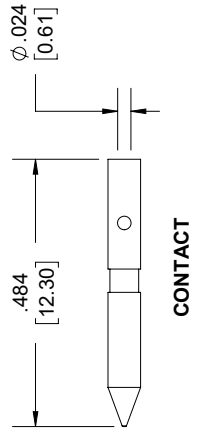
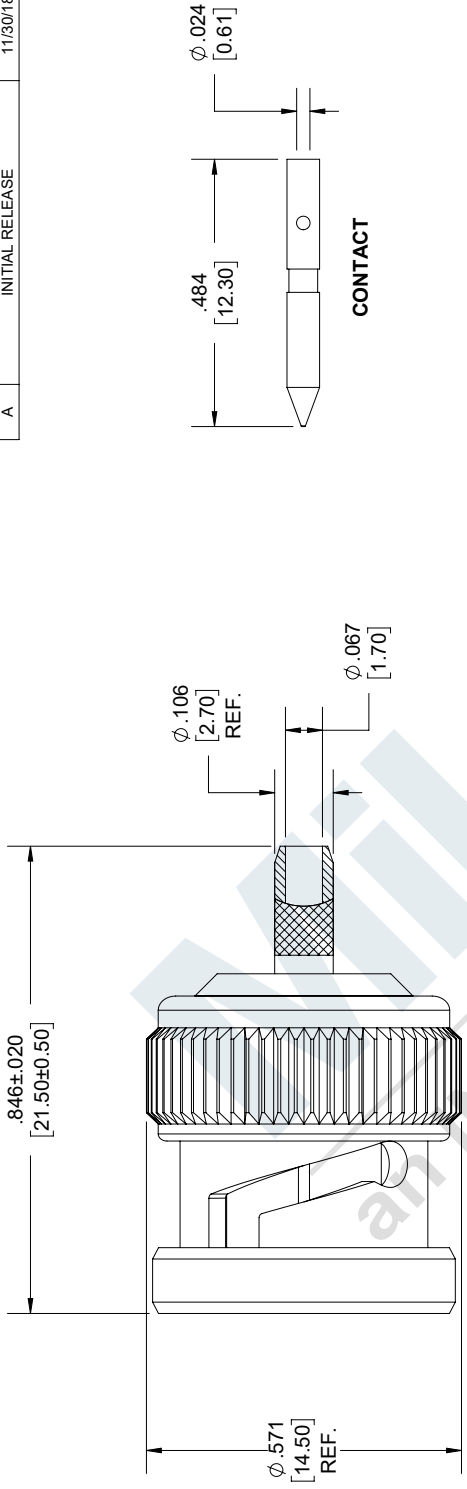
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The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. 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.

# MTCN0004 CAD Drawing

BNC Plug 50 Ohm Coax Connector Crimp Attachment for  
RG316, RG174, RG188, LMR-100, LMR-100-FR

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	11/30/18	SELLIS



### STRIPPING DIMENSIONS

- NOTES:
- CABLE ATTACHMENT:
    - OUTER: CRIMP.
    - INNER: SOLDER/CRIMP.
  - CRIMP SIZE REQUIRED:
    - FERRULE: .138 [3.50] HEX. CRIMP TOOL
    - CONTACT: .037 [0.95] SQ. CRIMP TOOL.

UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE IN INCHES DIMENSIONS IN [ ] ARE IN MILLIMETERS		THE INFORMATION AND DESIGN IN THIS DOCUMENT IS THE PROPERTY OF MILESTEK CORPORATION. ALL RIGHTS RESERVED.	
TOLERANCES: .X±.2 [5.08] FRACTIONS .XX±.01 [ .25 ] ± 1/32 XXX±.005 [ .13 ] ANGLES ± 1°		SHEET 1 OF 1	
ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.		SCALE N/A	
THRU-ANGLE PROJECTION		PART NUMBER MTCN0004	
SIZE	CAGE	DRAWN BY	REV
A	42977	KDANG	A
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