



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

### RF Connectors Technical Data Sheet

MTCN0007

#### Configuration

- SMA Male Connector
- MIL-STD-348A
- 50 Ohms
- Straight Body Geometry
- RG174, RG316, RG188, LMR-100 Interface Type
- Crimp/Crimp Attachment
- 16-May inch Hex

#### Applications

- General Purpose Test
- Custom Cable Assemblies

#### Description

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

Part number MTCN0007 SMA 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 SMA connector maximum frequency applies to RG174, RG316, RG188 and LMR-100 interfaces but may vary between them. Our radio frequency SMA 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			1.21:1	
Operating Voltage (AC)			335	Vrms

#### Mechanical Specifications

<b>Size</b>	
Length	0.87 in [22.1 mm]
Width/Dia.	0.315 in [8.00 mm]
Weight	0.012 lbs [5.44 g]
Mating Torque	3 to 5 in-lbs [0.34 to 0.57 Nm]

#### Material Specifications

Description	Material	Plating
Contact	Brass	Gold 30 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: [SMA Plug 50 Ohm Coax Connector Crimp Attachment for RG174, RG316, RG188, LMR-100 MTCN0007](#)



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Coupling Nut	Brass	Nickel 100 µin minimum
Crimp Sleeve	Brass	Nickel

#### 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.

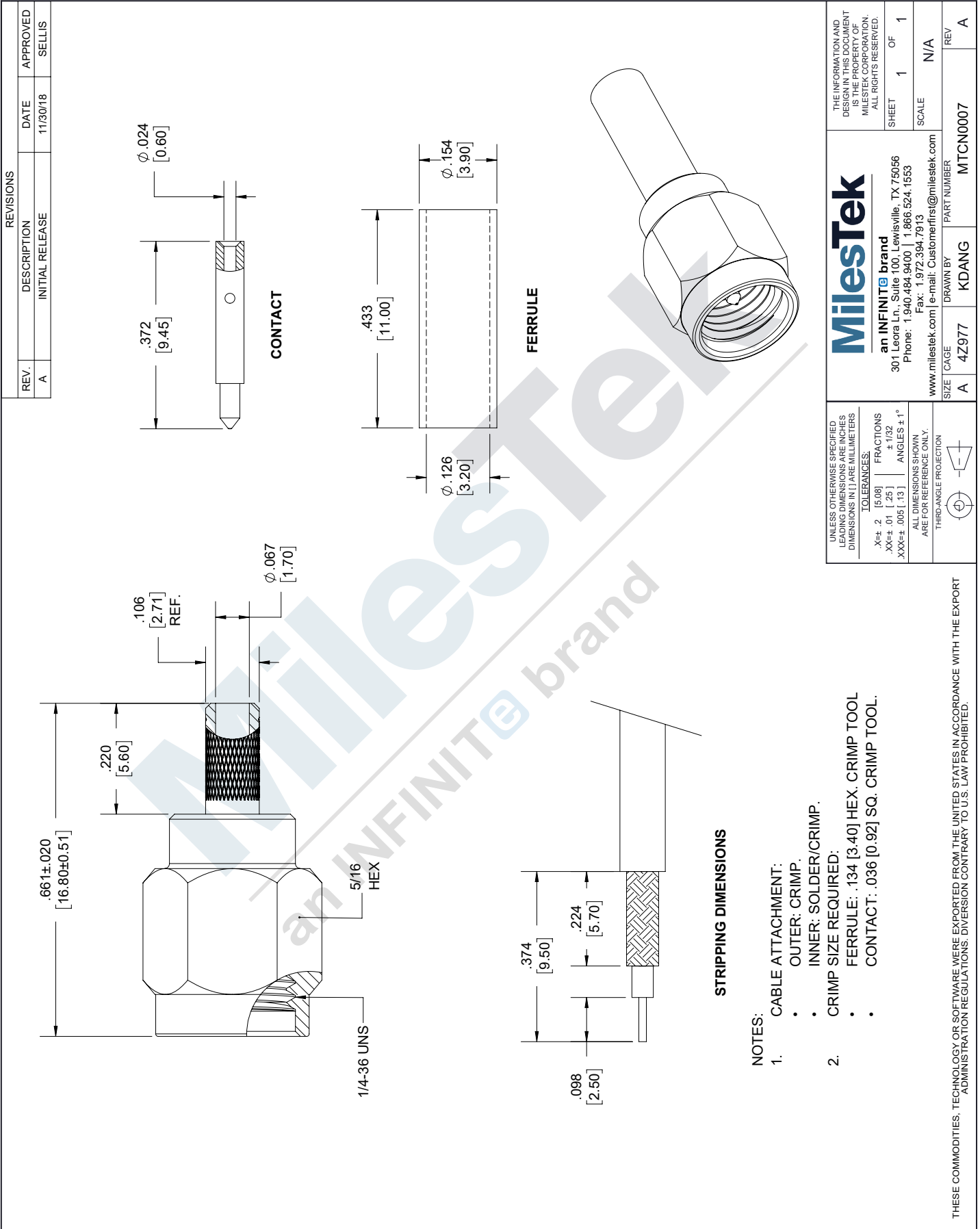
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URL:

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.

# MTCN0007 CAD Drawing

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an INFINITE brand 301 Leora Ln., Suite 100, Lewisville, TX 75066 Phone: 1.940.484.9400   1.866.524.1553 Fax: 1.972.394.7913 www.milesttek.com   e-mail: Customerfirms@milesttek.com		SHEET 1 OF 1 SCALE N/A	REV A
SIZE CAGE A 42977	DRAWN BY KDANG	PART NUMBER MTCN0007	REV A
UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE IN INCHES DIMENSIONS IN [ ] ARE IN MILLIMETERS		TOLERANCES: .X±.2 [5.08] FRACTIONS ± 1/32 .XX±.01 [ .25] ANGLES ± 1° XXX±.005 [ .13] ARE FOR REFERENCE ONLY.	
ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.		THRU-ANGLE PROJECTION	

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