MilesTek
an INFINIT⊖ brand

SMB Jack 50 Ohm Coax Connector Crimp Attachment for RG188-DS, RG316-DS

RF Connectors Technical Data Sheet MTCN0034

Configuration

- SMB Jack Connector
- 50 Ohms
- Straight Body Geometry
- RG188-DS, RG316-DS Interface Type
- Crimp/Solder Attachment

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

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

Part number MTCN0034 SMB connector from MilesTek is a jack gender (also known as female). This RF connector from MilesTek has a 4 MHz maximum frequency. Our 4 MHz SMB connector maximum frequency applies to RG188-DS and RG316-DS interfaces but may vary between them. Our radio frequency SMB jack (female) crimp/solder connector is in-stock and does ship same-day.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		4	MHz
Operating Voltage (AC)			335	Vrms

Mechanical Specifications

Size
Length   0.97 in [24.64 mm]
Width/Dia.   0.25 in [6.35 mm]
Weight   0.006 lbs [2.72 g]

Material Specifications

Description	Material	Plating
Contact	Brass	Gold 30 µ in. Minimum
Insulation	PTFE	
Body	Brass	Nickel 100 µ in. Minimum

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: SMB Jack 50 Ohm Coax Connector Crimp Attachment for RG188-DS, RG316-DS MTCN0034

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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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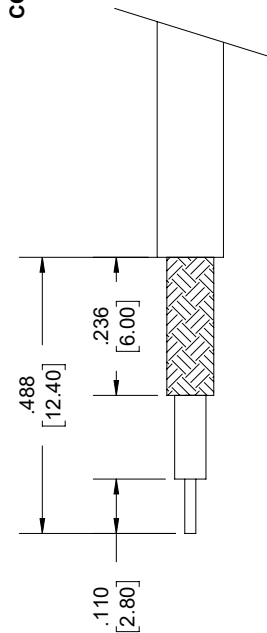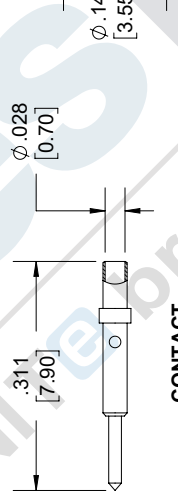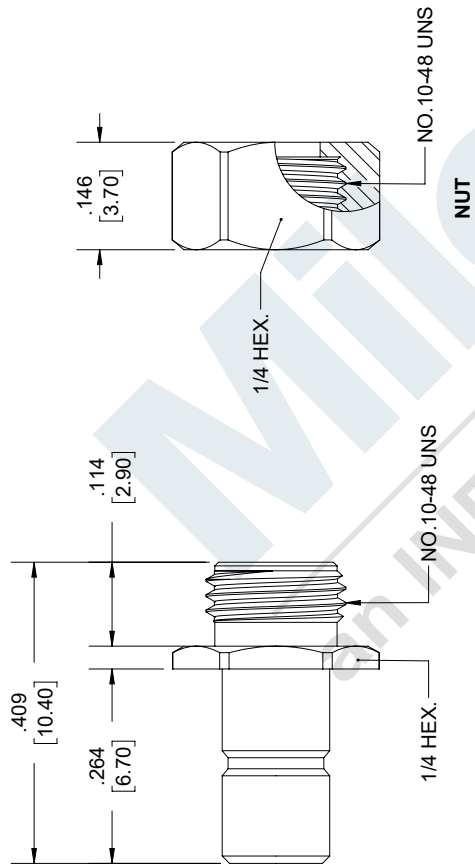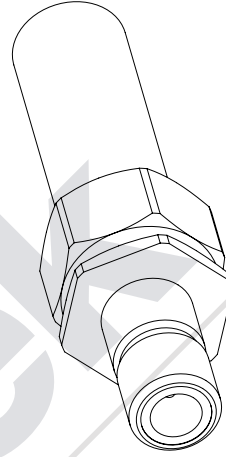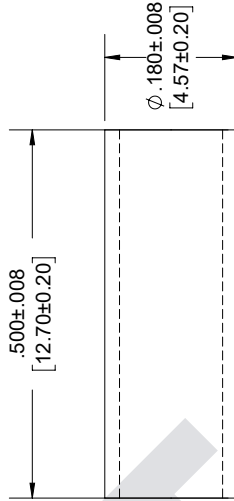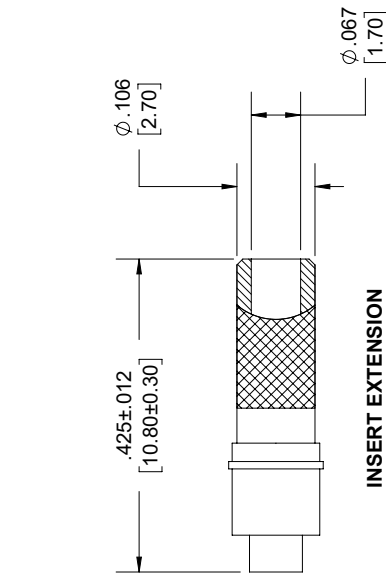
URL:

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.

MTCN0034 CAD Drawing
SMB Jack 50 Ohm Coax Connector Crimp Attachment for RG188-DS, RG316-DS

INSERT EXTENSION

Ø .106 [2.70]

Ø .067 [1.70]

.425±.012 [10.80±0.30]

FERRULE

Ø .180±.008 [4.57±0.20]

.500±.008 [12.70±0.20]

Ø .140±.004 [3.55±0.10]

NUT

NO.10-48 UNS

.146 [3.70]

1/4 HEX.

NO.10-48 UNS

.114 [2.90]

Ø .028 [0.70]

CONTACT

.311 [7.90]

.409 [10.40]

.264 [6.70]

1/4 HEX.

STRIPPING DIMENSIONS

.488 [12.40]

.236 [6.00]

.110 [2.80]

NOTES:
1. CABLE ATTACHMENT:
   - OUTER: CLAMP & CRIMP.
   - INNER: SOLDER.
2. CRIMP SIZE REQUIRED:
   - FERRULE: .151 [3.84] HEX. CRIMP TOOL

SIZE	CAGE	DRAWN BY	PART NUMBER
A	4Z977	KDANG	MTCN0034

SCALE N/A | REV A

SHEET 1 OF 1

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UNLESS OTHERWISE SPECIFIED
LEADING DIMENSIONS ARE INCHES
DIMENSIONS IN [ ] ARE MILLIMETERS
TOLERANCES:
X=± .2 [5.08]   FRACTIONS
XX=± .01 [.25]   ± 1/32
XXX=± .005 [.13]   ANGLES ± 1°

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

THIRD-ANGLE PROJECTION

REVISIONS

REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	12/04/18	SELLIS

MTCN0034 REV 1

T-Rev-A