BNC Female Connector Clamp/Solder Attachment 4 Hole Flange Mount for RG316-DS, RG188-DS, IP67 Rated

RF Connectors Technical Data Sheet   PE44887

Configuration

- BNC Female Connector
- MIL-STD-348
- 50 Ohms
- Straight Body Geometry
- RG316-DS, RG188-DS Interface Type
- Clamp/Solder Attachment
- 4 Hole Flange

Features

- Max. Operating Frequency 2 GHz
- Gold Plated Beryllium Copper Contact
- IP67 Rated

Applications

- General Purpose Test
- Rack and Panel Mount Applications
- Custom Cable Assemblies

Description

Pasternack's PE44887 BNC female 4 hole flange mount connector with clamp/solder attachment for RG316-DS and RG188-DS is part of our full line of RF components available for same-day shipping. Our BNC female connector operates up to a maximum frequency of 2 GHz. This BNC 4 hole flange connector allows designers to create external connections on their product enclosures, and can be used in a variety of other rack mount and panel mount applications. The connector has an IP67 rating to protect against dust and temporary moisture protection under immersion conditions.

Our BNC female 4 hole flange connector PE44887 datasheet specifications and drawing with dimensions are shown below in this PDF. Pasternack's broad catalog of RF, microwave and millimeter wave connectors allows designers to configure and customize their signal connections however they like. Whether the need is to provide an I/O for a board design, or simply create a custom cable assembly configuration, Pasternack has the right connector for the job. Pasternack can also expertly build your custom cable assemblies for you and ship same-day.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		2	GHz

Mechanical Specifications

Size

Length	1.13 in [28.7 mm]
Width/Dia.	0.7 in [17.78 mm]
Weight	0.04 lbs [18.14 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: BNC Female Connector Clamp/Solder Attachment 4 Hole Flange Mount for RG316-DS, RG188-DS, IP67 Rated PE44887

BNC Female Connector Clamp/Solder Attachment 4 Hole
Flange Mount for RG316-DS, RG188-DS, IP67 Rated

RF Connectors Technical Data Sheet   PE44887

Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold
Insulation	PTFE	
Body	Brass	Nickel

Environmental Specifications
Temperature
Operating Range   -65 to +165 deg C
Ingress Protection (IP) Rating   IP67 Rated

Compliance Certifications (see product page for current document)

Plotted and Other Data
    Notes:

BNC Female Connector Clamp/Solder Attachment 4 Hole Flange Mount for RG316-DS, RG188-DS, IP67 Rated from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.
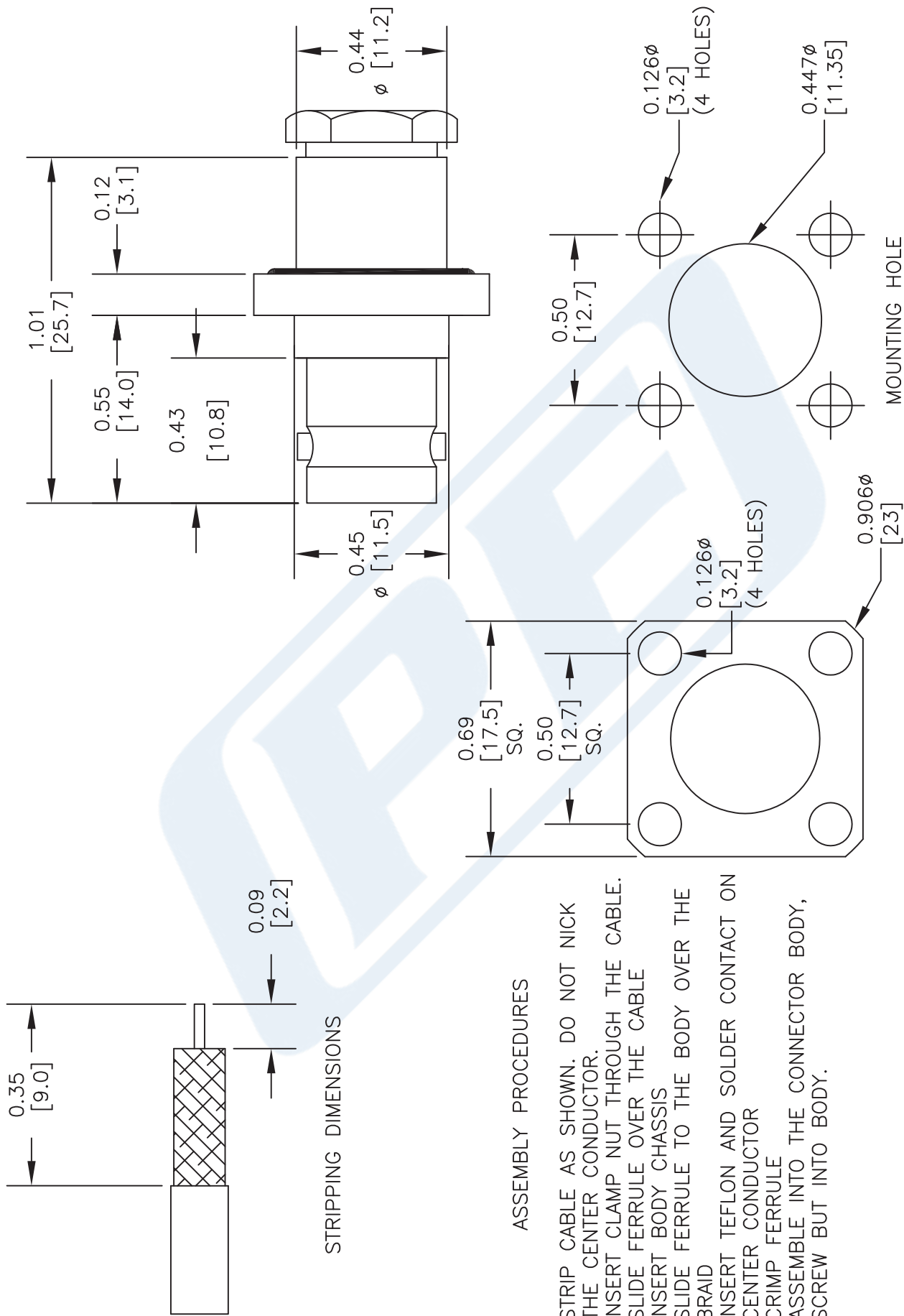
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: BNC Female Connector Clamp/Solder Attachment 4 Hole Flange Mount for RG316-DS, RG188-DS, IP67 Rated PE44887

URL: https://www.pasternack.com/bnc-female-rg316-ds-rg188-ds-connector-pe44887-p.aspx

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. Pasternack reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack does not assume any liability arising out of the use of any part or documentation.

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PE44887 CAD Drawing
BNC Female Connector Clamp/Solder Attachment 4 Hole
Flange Mount for RG316-DS, RG188-DS, IP67 Rated

0.44 ø [11.2]

0.12 [3.1]

1.01 [25.7]

0.55 [14.0]

0.43 [10.8]

0.45 ø [11.5]

0.126ø [3.2] (4 HOLES)

0.4447ø [11.35]

0.50 [12.7]

MOUNTING HOLE

0.126ø [3.2] (4 HOLES)

0.906ø [23]

0.69 [17.5] SQ.

0.50 [12.7] SQ.

0.09 [2.2]

0.35 [9.0]

STRIPPING DIMENSIONS

ASSEMBLY PROCEDURES

1. STRIP CABLE AS SHOWN. DO NOT NICK THE CENTER CONDUCTOR.
2. INSERT CLAMP NUT THROUGH THE CABLE.
3. SLIDE FERRULE OVER THE CABLE
4. INSERT BODY CHASSIS
5. SLIDE FERRULE TO THE BODY OVER THE BRAID
6. INSERT TEFLON AND SOLDER CONTACT ON CENTER CONDUCTOR
7. CRIMP FERRULE
8. ASSEMBLE INTO THE CONNECTOR BODY, SCREW BUT INTO BODY.

PE44887 REV 1.1

3

MMCX Plug Right Angle Connector Crimp/ Solder Attachment For RG316-DS

TECHNICAL DATA SHEET	PE44784

Configuration

Connector	MMCX Plug
Connector Specification	BS EN 122340
Connector Interface Type	RG316-DS
Cable Attachment Method (Shield/Contact)	Crimp/Solder
Body Style	Right Angle

Electrical Specifications

Frequency Range, GHz	DC to 6
Impedance, Ohms	50
Maximum VSWR	1.35:1
Maximum Operating Voltage, Volts	250

Mechanical Specifications
Temperature

Operating Range, deg C	-55 to +155

Size

Length, in [mm]	0.53 [13.46]
Width/Dia., in [mm]	0.28 [7.11]
Weight, lbs [g]	0.003 [1.36]

Connector

Type	MMCX Plug
Contact Material and Plating	Brass, Gold
Contact Plating Specification	30µ in. minimum
Body Material and Plating	Brass, Gold
Body Plating Specification	3µ in. minimum
Dielectric Type	Teflon

Compliance Certifications (visit www.Pasternack.com for current document)

RoHS Compliant	Yes

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: MMCX Plug Right Angle Connector Crimp/Solder Attachment For RG316-DS PE44784

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. Pasternack reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal.

PE44784 REV 1.0

MMCX Plug Right Angle Connector Crimp/ Solder Attachment For RG316-DS

TECHNICAL DATA SHEET	PE44784

Plotted and Other Data

Notes: Values at 25 °C, sea level

MMCX Plug Right Angle Connector Crimp/Solder Attachment For RG316-DS from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and fiber optic products maintain a 99% availability and are part of the broadest selection in the industry.
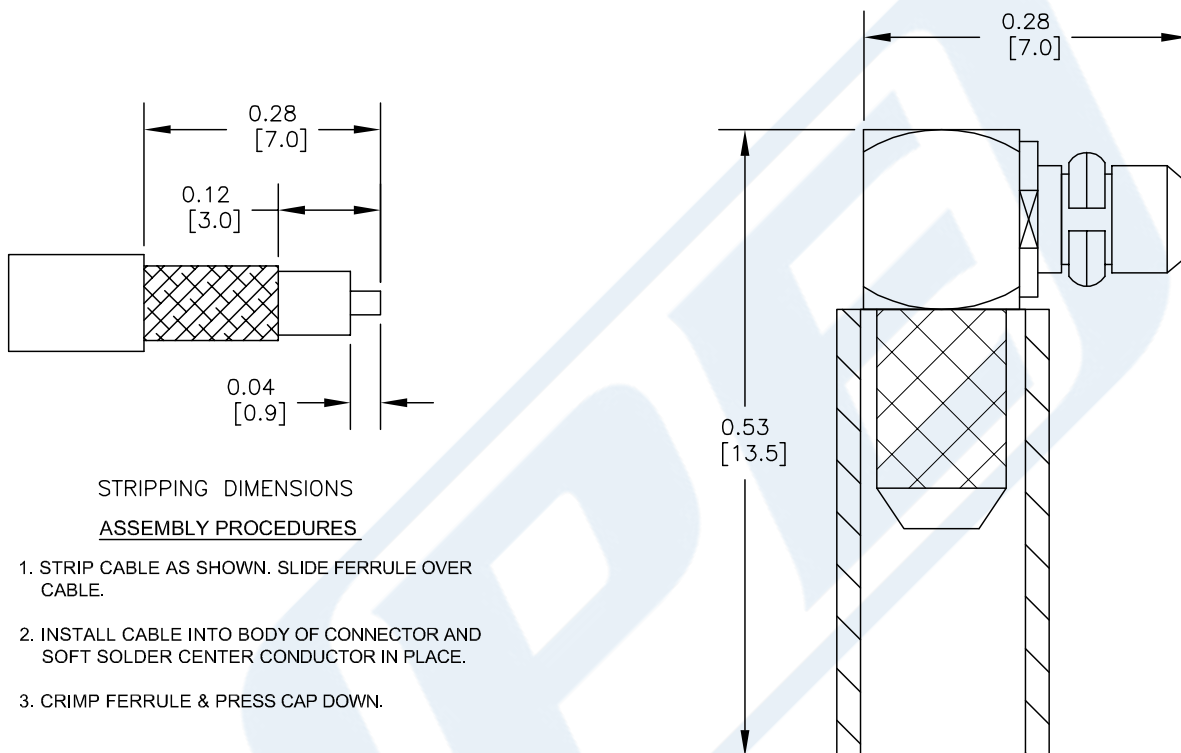
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: MMCX Plug Right Angle Connector Crimp/Solder Attachment For RG316-DS PE44784

URL: http://www.pasternack.com/mmcx-plug-standard-rg316-ds-connector-pe44784-p.aspx

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PE44784 CAD Drawing
MMCX Plug Right Angle Connector Crimp/Solder Attachment For RG316-DS

0.28 [7.0]

0.12 [3.0]

0.04 [0.9]

0.28 [7.0]

0.53 [13.5]

STRIPPING DIMENSIONS

ASSEMBLY PROCEDURES

1. STRIP CABLE AS SHOWN. SLIDE FERRULE OVER CABLE.

2. INSTALL CABLE INTO BODY OF CONNECTOR AND SOFT SOLDER CENTER CONDUCTOR IN PLACE.

3. CRIMP FERRULE & PRESS CAP DOWN.

CRIMP SIZE REQUIRED

FERRULE: .128" HEX CRIMP TOOL

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DWG TITLE
PE44784

FSCM NO. 53919

NOTES:
1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.
2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.
3. DIMENSIONS ARE IN INCHES [mm].
4. FITS MIL-C-17 AND EQUIVALENT CABLES.

CAD FILE	SCALE	SIZE A	
021814	N/A		2233

PE44784 REV 1.0

Flexible RG316-DS Coax Cable Double Shielded with Tan FEP Jacket

RF Cables
Technical Data Sheet   RG316-DS

Configuration

- Flexible Cable
- 2 Shield(s)

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		3	GHz
Impedance		50		Ohms
Velocity of Propagation		70		%
Operating Voltage (AC)			1,200	Vrms
Nominal Capacitance		29.4 [96.46]		pF/ft [pF/m]

Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	0.1	0.4	1	3		GHz
Attenuation, Typ	11.5	17.2	30	54.5		dB/100ft
	37.73	56.43	98.43	178.81		dB/100m
Input Power (CW), Max	430	210	130			Watts

Mechanical Specifications

Diameter	0.114 in [2.9 mm]
Weight	0.015 lbs/ft [0.02 Kg/m]
Min. Bend Radius (Repeated)	0.591 in [15.01 mm]

Construction Specifications

Description	Material and Plating	Diameter
Inner Conductor	Copper Clad Steel, Silver7	0.02 in 0.51 mm
Conductor Type	Stranded	
Dielectric	PTFE	0.06 in 1.52 mm
First Shield	Silver Plated Copper Braid	

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: Flexible RG316-DS Coax Cable Double Shielded with Tan FEP Jacket RG316-DS

Second Shield	Silver Plated Copper Braid	0.094 in 2.39 mm
Jacket	FEP, Tan	0.114 in [2.9 mm]

Environmental Specifications
Temperature
Operating Range   -55 to +200 deg C

Compliance Certifications (see product page for current document)

Plotted and Other Data
Notes:

Flexible RG316-DS Coax Cable Double Shielded with Tan FEP Jacket from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: Flexible RG316-DS Coax Cable Double Shielded with Tan FEP Jacket RG316-DS
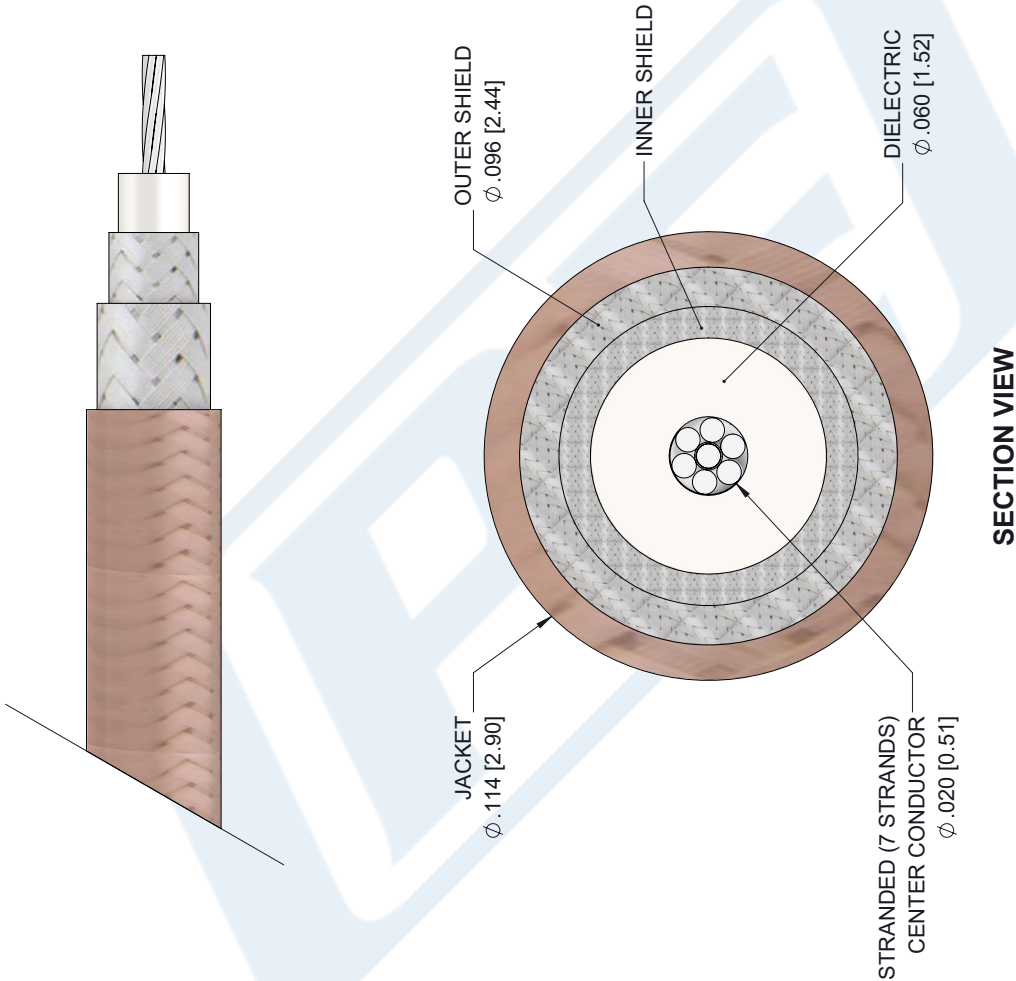
URL: https://www.pasternack.com/flexible-0.114-rg316-ds-50-ohm-coax-cable-fep-jacket-rg316-ds-p.aspx

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RG316-DS CAD Drawing

Flexible RG316-DS Coax Cable Double Shielded with Tan FEP Jacket

REVISIONS

REV.	DESCRIPTION	DATE	APPROVED
1.1	PCR RG316-DS 20190701	07/15/19	S.ELLIS

OUTER SHIELD
∅ .096 [2.44]

INNER SHIELD

DIELECTRIC
∅ .060 [1.52]

JACKET
∅ .114 [2.90]

STRANDED (7 STRANDS)
CENTER CONDUCTOR
∅ .020 [0.51]

SECTION VIEW

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

SIZE	CAGE	DRAWN BY	PART NUMBER
A	53919	K.Dang	RG316-DS

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SHEET	1	OF	1

SCALE N/A

REV A

T-Rev.B

RG316-DS REV 1.2

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