



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
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**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](http://www.Pasternack.com) for current document)

RoHS Compliant	Yes
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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.



## 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.

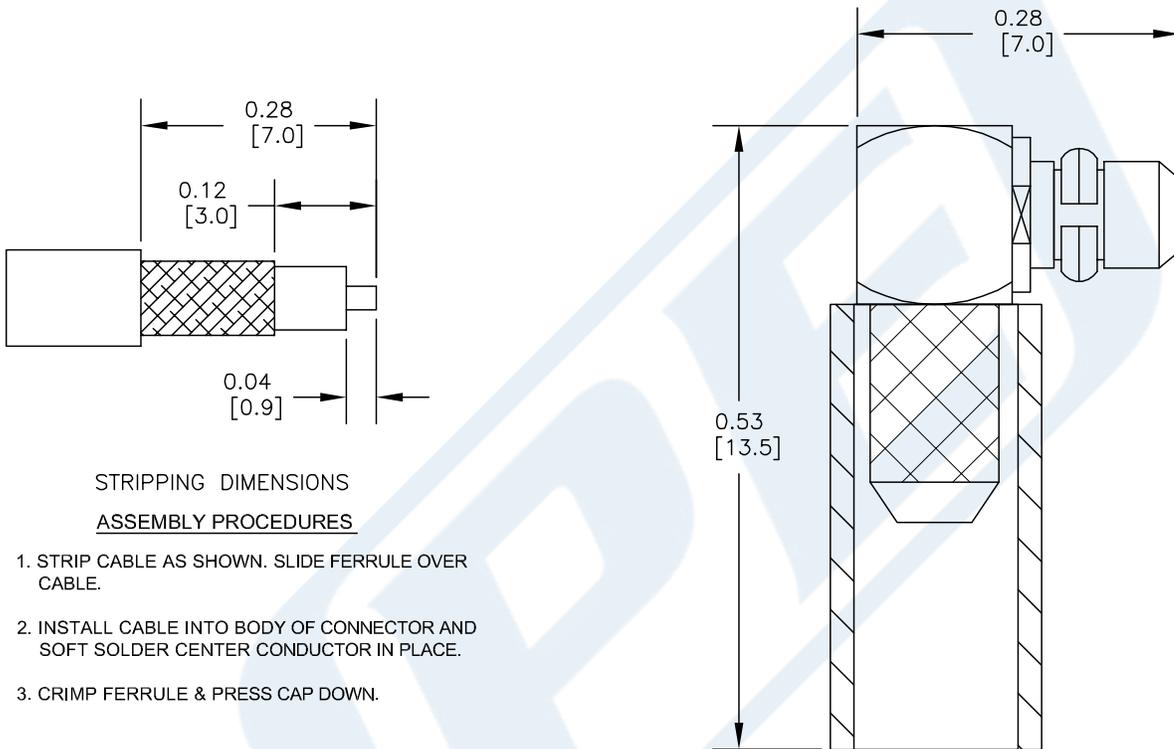
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [MMCX Plug Right Angle Connector Crimp/Solder Attachment For RG316-DS PE44784](#)

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



**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**

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.

**FSCM NO. 53919**

CAD FILE 021814

SCALE N/A

SIZE A

2233



TNC Male Right Angle Connector Crimp/Solder  
Attachment for RG188-DS, RG316-DS

TECHNICAL DATA SHEET

PE45174

**Configuration**

Connector	TNC Male
Connector Interface Type	RG188-DS, RG316-DS
Attachment Method (Shield/Contact)	Crimp/Solder
Body Style	Right Angle

**Electrical Specifications**

Impedance	50 Ohms
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**Mechanical Specifications**

**Size**

Length	1.08 in [27.43 mm]
Width/Dia.	0.57 in [14.48 mm]
Height	1.05 in [26.67 mm]
Weight	0.068 lbs [30.84 g]

**Connector**

Type	TNC Male
Contact Material and Plating	Brass, Gold
Body Material and Plating	Brass, Nickel
Dielectric Type	Delrin

**Compliance Certifications** (visit [www.Pasternack.com](http://www.Pasternack.com) for current document)

RoHS Compliant	
REACH Compliant	06/18/2012

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [TNC Male Right Angle Connector Crimp/Solder Attachment for RG188-DS, RG316-DS PE45174](#)



## TNC Male Right Angle Connector Crimp/Solder Attachment for RG188-DS, RG316-DS

### TECHNICAL DATA SHEET

PE45174

#### Plotted and Other Data

Notes:

- Values at +25 °C, sea level

TNC Male Right Angle Connector Crimp/Solder Attachment for RG188-DS, RG316-DS 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.

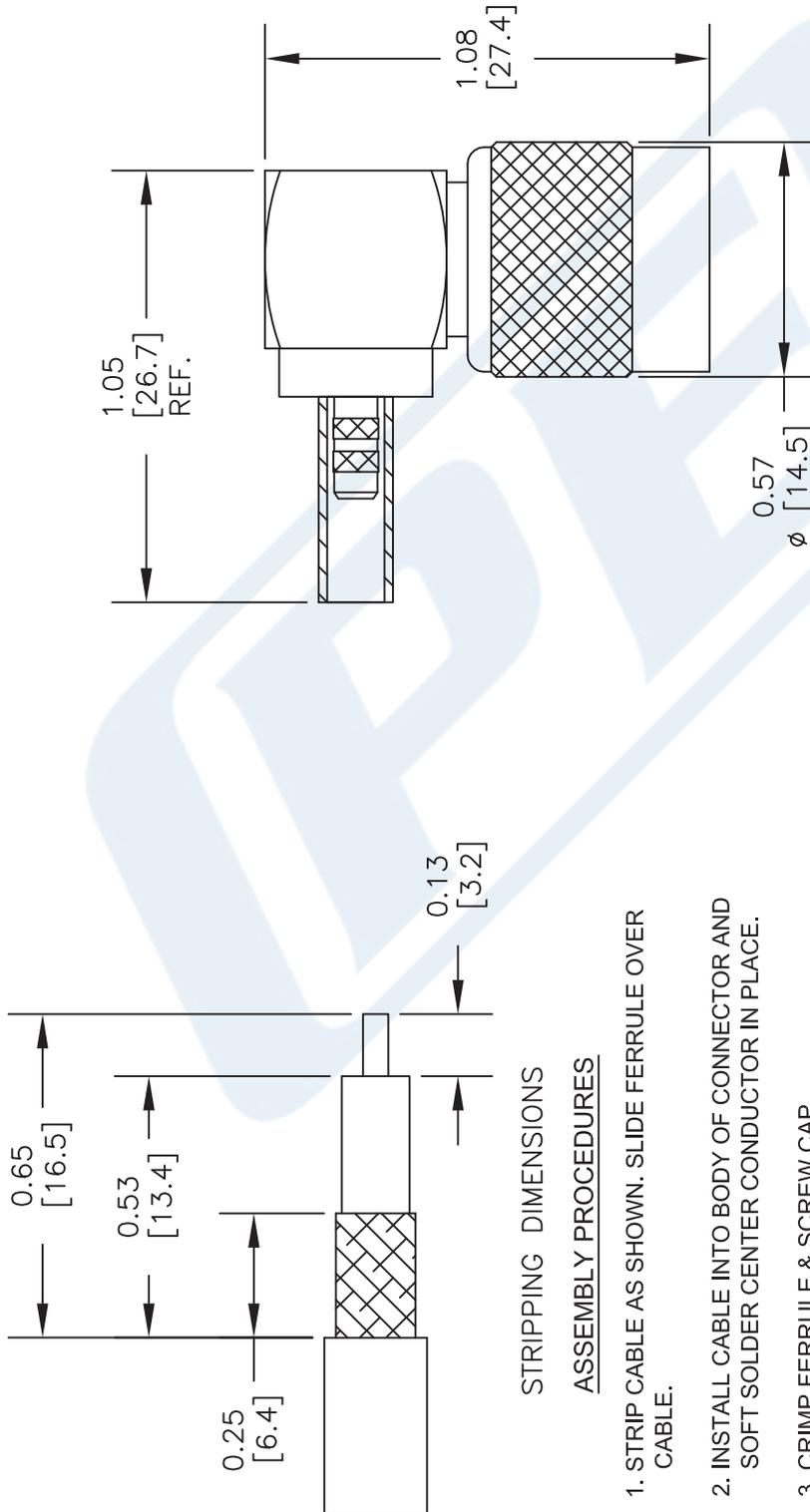
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [TNC Male Right Angle Connector Crimp/Solder Attachment for RG188-DS, RG316-DS PE45174](http://www.pasternack.com/tnc-male-rg188-ds-rg316-ds-connector-pe45174-p.aspx)

URL: <http://www.pasternack.com/tnc-male-rg188-ds-rg316-ds-connector-pe45174-p.aspx>

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# PE45174 CAD Drawing

TNC Male Right Angle Connector Crimp/Solder Attachment for RG188-DS, RG316-DS



DWG TITLE

**PE45174**

FSCM NO. 53919

NOTES:  
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 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 031715

SCALE N/A

SIZE A

2233

**PE PASTERNAK**  
 THE ENGINEER'S RF SOURCE

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# 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](#)

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

RF Cables  
Technical Data Sheet

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.

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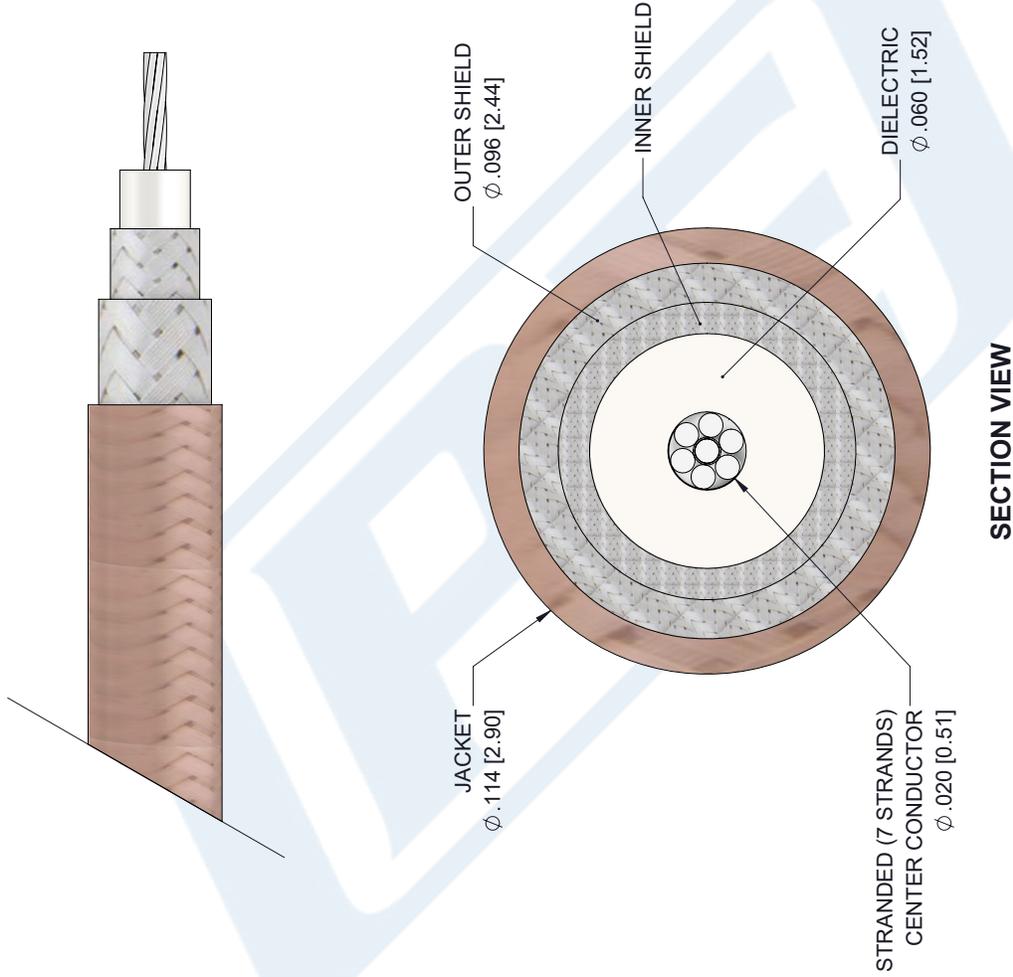
URL: <https://www.pasternack.com/flexible-0.114-rg316-ds-50-ohm-coax-cable-fep-jacket-rg316-ds-p.aspx>

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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



UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [ ] ARE MILLIMETERS	
TOLERANCES:	FRACTIONS
X±.2 [5.08]	±.132
.XX±.01 [.25]	±.132
.XXX±.005 [0.13]	ANGLES ± 1°
ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.	
THIRD-ANGLE PROJECTION	

**PE PASTERNAK**  
an INFINITO brand

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

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SHEET	1	OF	1
SCALE	N/A		

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