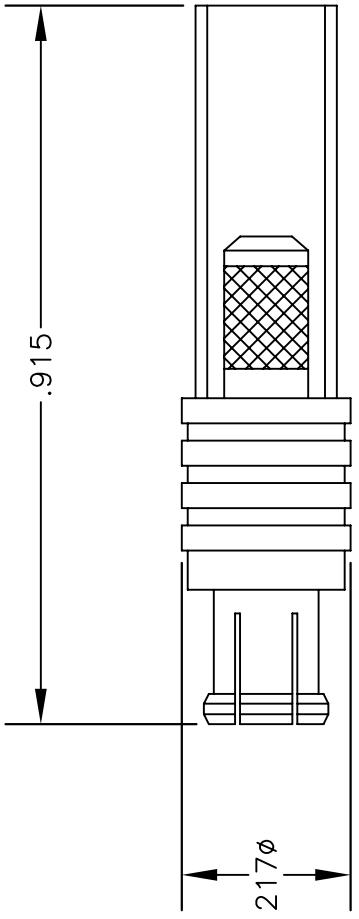


MATERIALS	
BODY	BRASS NICKEL PLATED
CONTACT	GOLD PLATED
INSULATOR	PTFE

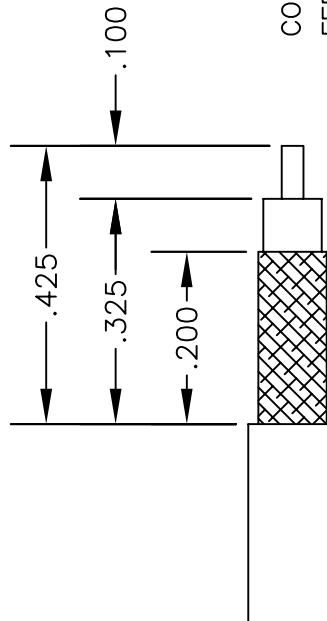


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COAXIAL & FIBER OPTICS

ESTABLISHED 1972  
**PE4878**

DWG TITLE      DES. MCX PLUG CRIMP ATTACHMENT FOR  
RG188-DS & RG316-DS

REV. A	FSCM NO.	53919	CAD FILE	050709	SCALE	N/A	SIZE	A	127
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.									



CRIMP SIZE REQUIRED  
CONTACT: SOLDER  
FERRULE: .151" HEX CRIMP TOOL

STRIPPING DIMENSIONS



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

### RF Connectors Technical Data Sheet

PE44901

#### Configuration

- TNC 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 PE44901 TNC 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 TNC female connector operates up to a maximum frequency of 2 GHz. This TNC 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 TNC female 4 hole flange connector PE44901 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	1.2 in [30.48 mm]
Width/Dia.	0.69 in [17.53 mm]
Weight	0.043 lbs [19.5 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [TNC Female Connector Clamp/Solder Attachment 4 Hole Flange Mount for RG316-DS, RG188-DS, IP67 Rated PE44901](#)



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

### RF Connectors Technical Data Sheet

PE44901

#### Material Specifications

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

#### Environmental Specifications

Ingress Protection (IP) Rating

IP67 Rated

#### Compliance Certifications (see [product page](#) for current document)

#### Plotted and Other Data

Notes:

TNC 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.

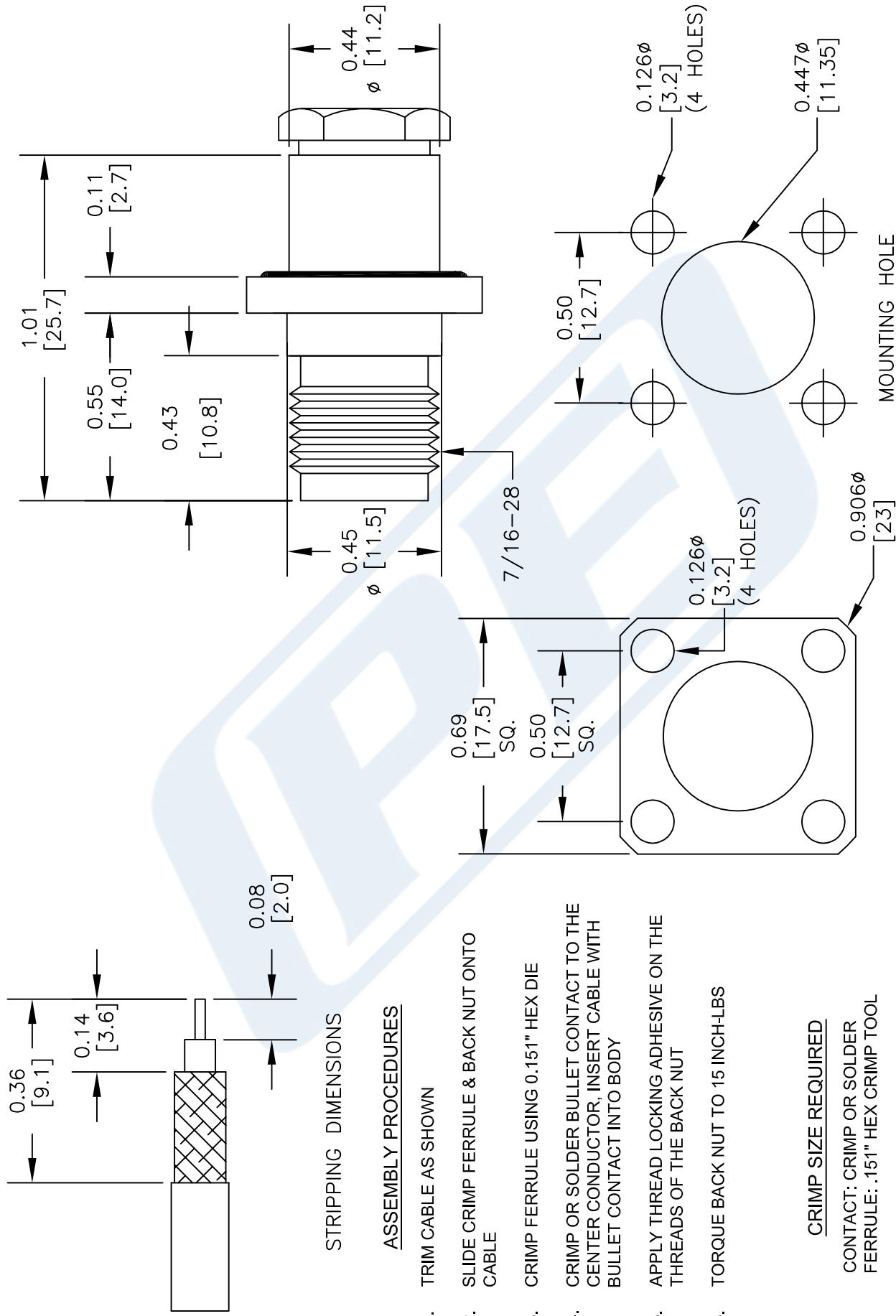
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [TNC Female Connector Clamp/Solder Attachment 4 Hole Flange Mount for RG316-DS, RG188-DS, IP67 Rated PE44901](#)

URL: <https://www.pasternack.com/tnc-female-standard-rg316-u-rg174a-u-lmr-100-connector-pe44901-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.

# PE44901 CAD Drawing

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



**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.

DWG TITLE	PE44901	CAD FILE	102223	SCALE	N/A	SIZE	A	150
PASTERNACK® Pasternack Enterprises, Inc. P.O. Box 16759   Irvine   CA   92623 Phone: (949) 261-1920   Fax: (949) 261-7451 Website: <a href="http://www.pasternack.com">www.pasternack.com</a>   E-Mail: <a href="mailto:sales@pasternack.com">sales@pasternack.com</a>	FSCM NO. 53919							

# Flexible RG316 Coax Cable Double Shielded with Tan FEP Jacket

## TECHNICAL DATA SHEET

## RG316-DS

### Flexible RG316 Coax Cable Double Shielded with Tan FEP Jacket

#### Configuration

Inner Conductor Material and Plating	Copper Clad Steel, Silver
Dielectric Type	PTFE
Shield Materials	Silver Plated Copper Braid, Silver Plated Copper Braid
Jacket Material and Color	FEP, Tan

#### Electrical Specifications

Impedance, Ohms	50
Velocity of Propagation, %	70
Maximum Operating Frequency, GHz	3
Capacitance, pF/ft [pF/m]	29.4 [96.46]
Maximum Operating Voltage, Volts	1,200

#### Electrical Specifications by Frequency

##### Frequency 1

Frequency, MHz	100
Attenuation, dB/100ft [dB/100m]	8 [26.25]

##### Frequency 2

Frequency, MHz	400
Attenuation, dB/100ft [dB/100m]	16.2 [53.15]

##### Frequency 3

Frequency, MHz	1000
Attenuation, dB/100ft [dB/100m]	26.1 [85.63]

##### Frequency 4

Frequency, GHz	3
Attenuation, dB/100ft [dB/100m]	46.7 [153.22]

#### Mechanical Specifications

##### Temperature

Operating Range, deg C	-55 to +200
------------------------	-------------

##### Inner Conductor

Number of Strands	7
Material	Copper Clad Steel
Plating	Silver
Diameter, in [mm]	0.02 [0.51]

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

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.

# Flexible RG316 Coax Cable Double Shielded with Tan FEP Jacket

## TECHNICAL DATA SHEET

**RG316-DS**
**Dielectric:**

Type PTFE  
Diameter, in [mm] 0.06 [1.52]

**Shield:**

Number of 2  
Material 1 Silver Plated Copper Braid  
Material 2 Silver Plated Copper Braid  
Diameter, in [mm] 0.096 [2.44]

**Jacket:**

Material FEP  
Diameter, in [mm] 0.114 [2.9]  
Color Tan  
One Time Minimum Bend Radius, in [mm] 0.59 [14.99]  
Weight, lbs/ft [Kg/m] 0.016 [0.02]

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

RoHS Compliant Yes

**Plotted and Other Data**

Notes: Values at 25 °C, sea level

Flexible RG316 Coax Cable Double Shielded with Tan FEP Jacket 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: [Flexible RG316 Coax Cable Double Shielded with Tan FEP Jacket RG316-DS](#)

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

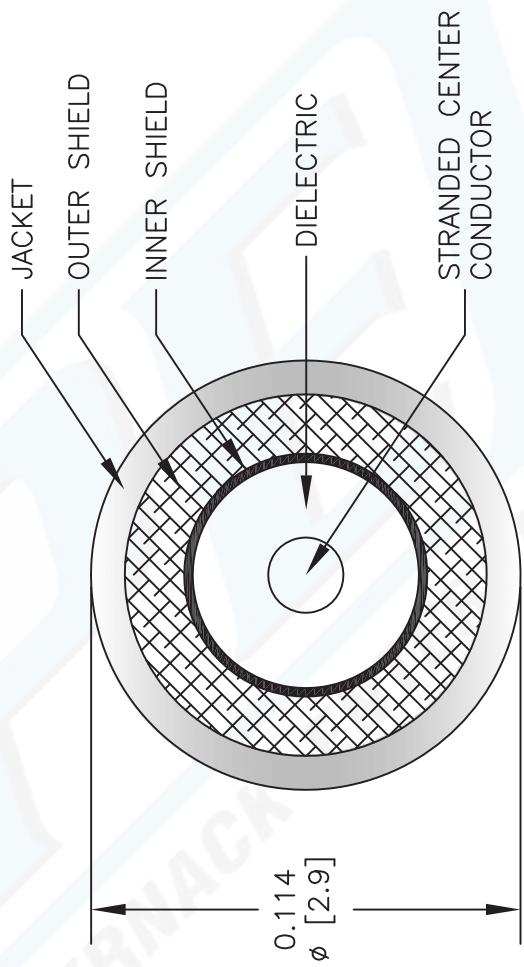
The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Pasternack reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal.

# RG316-DS CAD Drawing

Flexible RG316 Coax Cable Double Shielded with Tan FEP Jacket



**RG316/DS**



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DWG TITLE

**RG316-DS**

NOTES:

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2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.
3. DIMENSIONS ARE IN INCHES [mm].

CAD FILE

041812-B

SCALE N/A

SIZE A

2233