



SMB Jack Connector Crimp/Solder Attachment for RG174, RG316, RG188, LMR-100, PE-B100, PE-C100, 0.100 inch

## RF Connectors Technical Data Sheet

PE4096

### Configuration

- SMB Jack Connector
- 50 Ohms
- Straight Body Geometry
- RG174, RG316, RG188, LMR-100, PE-B100, PE-C100, 0.100 inch Interface Type
- Crimp/Solder Attachment

### Features

- Max. Operating Frequency 4 GHz
- Good VSWR of 1.3:1
- Gold Plated Brass Contact
- 30  $\mu$ in minimum contact plating

### Applications

- General Purpose Test
- Custom Cable Assemblies

### Description

Pasternack's PE4096 SMB jack connector with crimp/solder attachment for RG174, RG316, RG188, LMR-100, PE-B100, PE-C100 and 0.100 inch is part of our full line of RF components available for same-day shipping. Our SMB jack connector operates up to a maximum frequency of 4 GHz and offers good VSWR of 1.3:1.

Our SMB jack connector PE4096 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      |         | 4       | GHz   |
| VSWR                   |         |         | 1.3:1   |       |
| Operating Voltage (AC) |         |         | 335     | Vrms  |

### Mechanical Specifications

| Size       |                    |
|------------|--------------------|
| Length     | 0.84 in [21.34 mm] |
| Width/Dia. | 0.25 in [6.35 mm]  |
| Weight     | 0.01 lbs [4.54 g]  |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMB Jack Connector Crimp/Solder Attachment for RG174, RG316, RG188, LMR-100, PE-B100, PE-C100, 0.100 inch PE4096](#)



SMB Jack Connector Crimp/Solder Attachment for RG174, RG316, RG188, LMR-100, PE-B100, PE-C100, 0.100 inch

## RF Connectors Technical Data Sheet

PE4096

### Material Specifications

| Description | Material | Plating                        |
|-------------|----------|--------------------------------|
| Contact     | Brass    | Gold<br>30 $\mu$ in minimum    |
| Insulation  | PTFE     |                                |
| Body        | Brass    | Nickel<br>100 $\mu$ in minimum |

### Environmental Specifications

#### Temperature

Operating Range

-65 to +165 deg C

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

### Plotted and Other Data

Notes:

SMB Jack Connector Crimp/Solder Attachment for RG174, RG316, RG188, LMR-100, PE-B100, PE-C100, 0.100 inch 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.

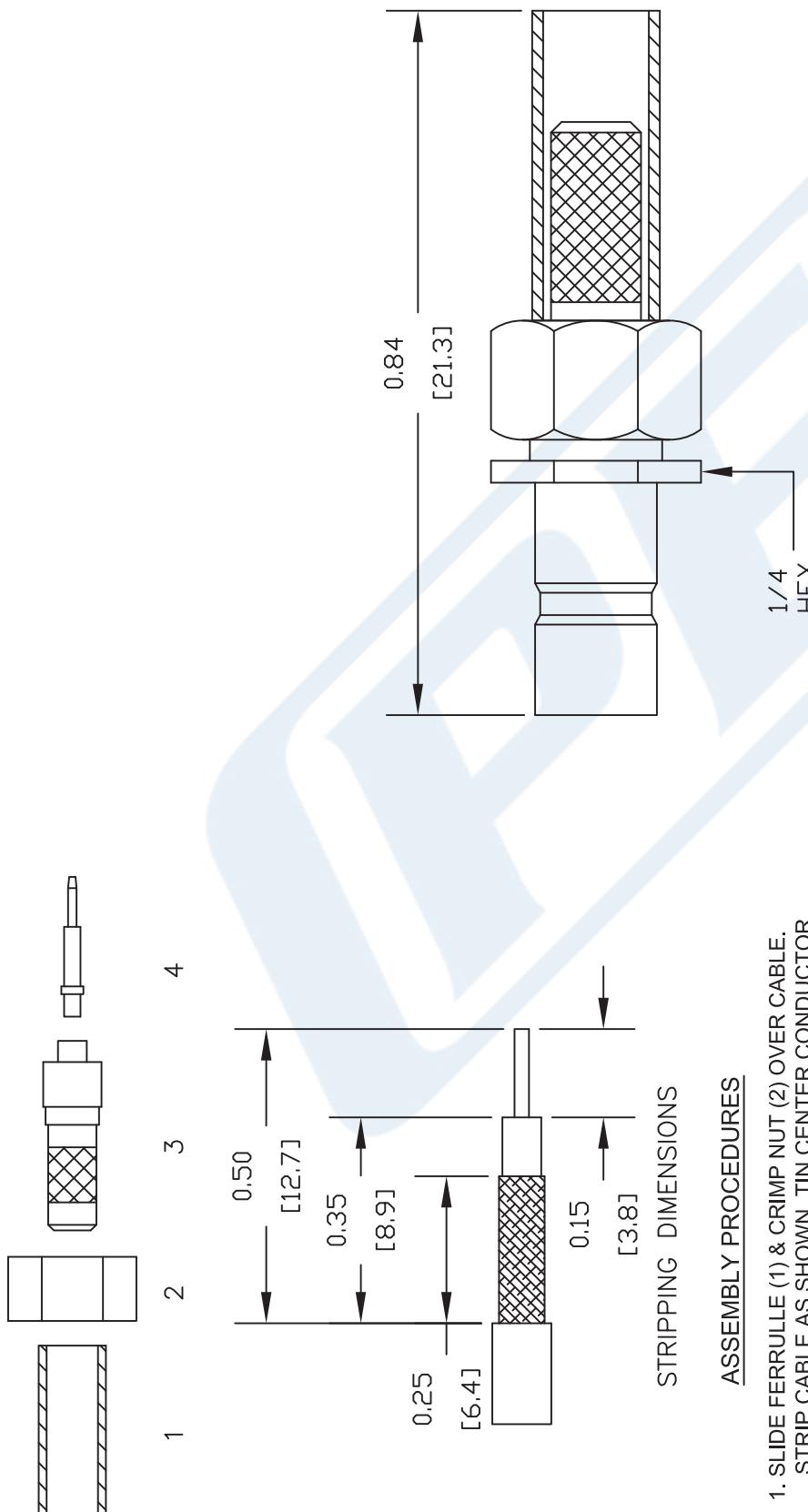
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMB Jack Connector Crimp/Solder Attachment for RG174, RG316, RG188, LMR-100, PE-B100, PE-C100, 0.100 inch PE4096](#)

URL: <https://www.pasternack.com/smb-jack-standard-rg174-rg316-rg188-connector-pe4096-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.

# PE4096 CAD Drawing

SMB Jack Connector Crimp/Solder Attachment for RG174, RG316,  
RG188, LMR-100, PE-B100, PE-C100, 0.100 inch



## ASSEMBLY PROCEDURES

1. SLIDE FERRULE (1) & CRIMP NUT (2) OVER CABLE.  
STRIP CABLE AS SHOWN. TIN CENTER CONDUCTOR.
2. FLAIR BRAID & INSERT EXTENSION (3) SLIDING UNDER  
BRAID. DIELECTRIC MUST SEAT AGAINST INSULATOR IN  
EXTENSION WITH CENTER CONDUCTOR PROTRUDING  
THROUGH INSULATOR.
3. SOLDER CONTACT TO CENTER CONDUCTOR. INSTALL  
CABLE ASSEMBLY INTO BODY & TIGHTEN.

## CRIMP SIZE REQUIRED

FERRULE: .128" HEX CRIMP TOOL



Pasternack Enterprises, Inc.  
P.O. Box 16759 | Irvine | CA | 92623

Phone: (949) 261-1920 | Fax: (949) 261-7451

Website: [www.pasternack.com](http://www.pasternack.com) | E-Mail: [sales@pasternack.com](mailto:sales@pasternack.com)

| DWG TITLE | PE4096  |
|-----------|---|
| REV. -    | FSCM NO. 53919 CAD FILE 101603 SCALE N/A SIZE A |

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.



TNC Female Bulkhead Mount Connector Crimp/Solder Attachment for RG174, RG316, RG188, 0.100 inch, PE-B100, PE-C100, LMR-100, IP67 Rated

## RF Connectors Technical Data Sheet

PE44900

### Configuration

- TNC Female Connector
- MIL-STD-348
- 50 Ohms
- Straight Body Geometry

- RG174, RG316, RG188, 0.100 inch, PE-B100, PE-C100, LMR-100 Interface Type
- Crimp/Solder Attachment
- Bulkhead

### Features

- Max. Operating Frequency 3 GHz
- Excellent VSWR of 1.25:1
- Gold Plated Brass Contact

- 30  $\mu$ in minimum contact plating
- IP67 Rated (Unmated)

### Applications

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

### Description

Pasternack's PE44900 TNC female bulkhead connector with crimp/solder attachment for RG174, RG316, RG188, 0.100 inch, PE-B100, PE-C100 and LMR-100 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 3 GHz and offers excellent VSWR of 1.25:1. This TNC bulkhead 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 bulkhead connector PE44900 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      |         | 3       | GHz   |
| VSWR            |         |         | 1.25:1  |       |

### Mechanical Specifications

#### Size

Length  
Width/Dia.  
Weight

1.12 in [28.45 mm]  
0.75 in [19.05 mm]  
0.039 lbs [17.69 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 Bulkhead Mount Connector Crimp/Solder Attachment for RG174, RG316, RG188, 0.100 inch, PE-B100, PE-C100, LMR-100, IP67 Rated PE44900](#)



TNC Female Bulkhead Mount Connector Crimp/Solder Attachment for RG174, RG316, RG188, 0.100 inch, PE-B100, PE-C100, LMR-100, IP67 Rated

## RF Connectors Technical Data Sheet

PE44900

### Material Specifications

| Description | Material | Plating                     |
|-------------|----------|-----------------------------|
| Contact     | Brass    | Gold<br>30 $\mu$ in minimum |
| Insulation  | PTFE     |                             |
| Body        | Brass    | Nickel                      |

### Environmental Specifications

#### Temperature

Operating Range

-65 to +165 deg C

Ingress Protection (IP) Rating

IP67 Rated (Unmated)

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

### Plotted and Other Data

Notes:

TNC Female Bulkhead Mount Connector Crimp/Solder Attachment for RG174, RG316, RG188, 0.100 inch, PE-B100, PE-C100, LMR-100, 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.

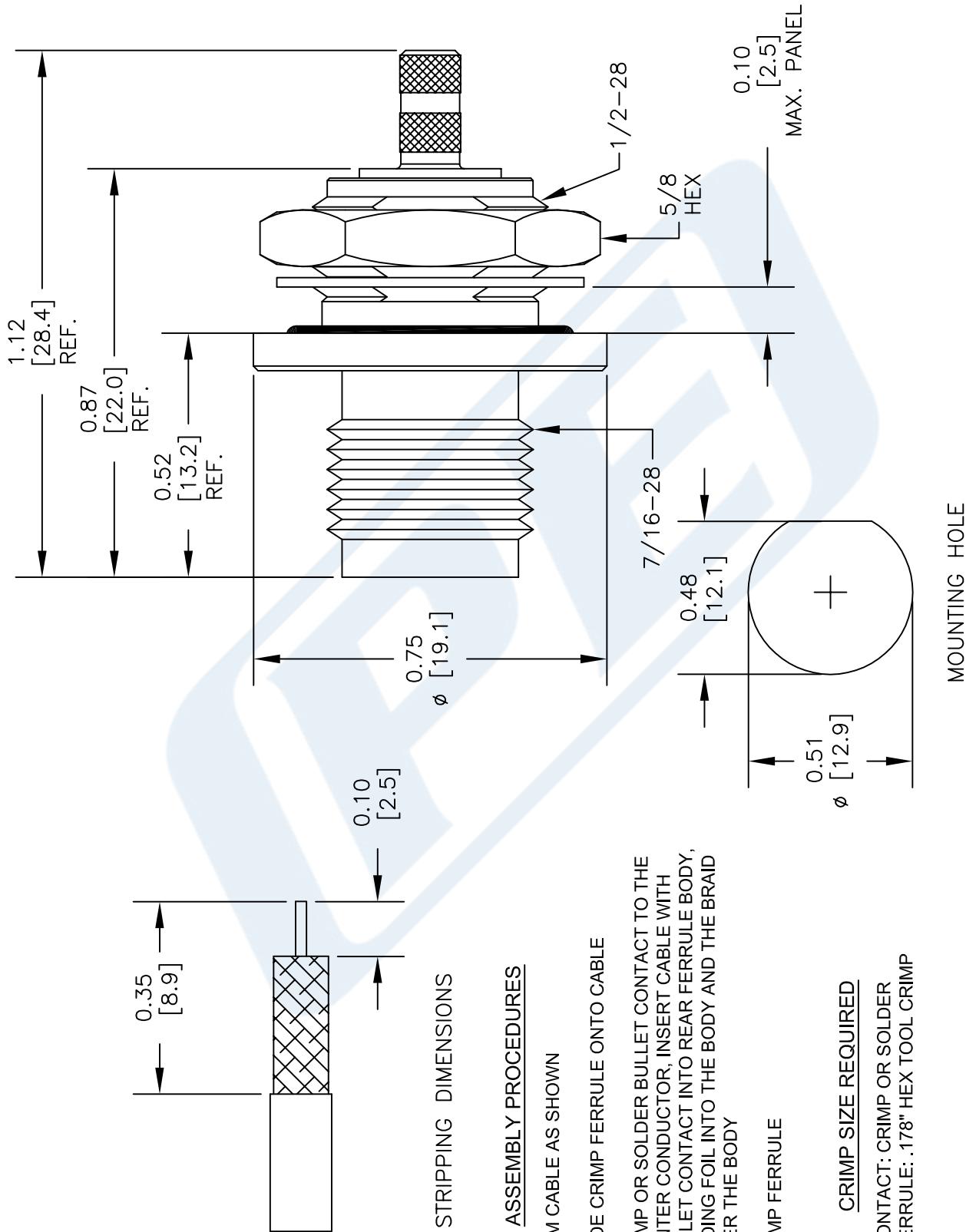
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [TNC Female Bulkhead Mount Connector Crimp/Solder Attachment for RG174, RG316, RG188, 0.100 inch, PE-B100, PE-C100, LMR-100, IP67 Rated PE44900](#)

URL: <https://www.pasternack.com/tnc-female-standard-rg316-u-rg174a-u-rg188-lmr-100-connector-pe44900-p.aspx>

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# PE44900 CAD Drawing

TNC Female Bulkhead Mount Connector Crimp/Solder Attachment for RG174,  
RG316, RG188, 0.100 inch, PE-B100, PE-C100, LMR-100, 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**  
**PE44900**

**PASTERNACK®**  
THE ENGINEER'S RF SOURCE

Pasternack Enterprises, Inc.  
P.O. Box 16759 | Irvine | CA | 92623

Phone: (949) 261-1920 | Fax: (949) 261-7451

Website: [www.pasternack.com](http://www.pasternack.com) | E-Mail: [sales@pasternack.com](mailto:sales@pasternack.com)

| FSCM NO. | CAD FILE | SCALE | SIZE | A   |
|----------|----------|-------|------|-----|
| 53919    | 102213   | N/A   |      | 150 |

## Flexible RG188 Coax Cable Single Shielded with White PTFE Jacket

### TECHNICAL DATA SHEET

**RG188A/U**

Flexible RG188 Coax Cable Single Shielded with White PTFE Jacket

#### Configuration

|                                      |                            |
|--------------------------------------|----------------------------|
| Inner Conductor Material and Plating | Copper Clad Steel, Silver  |
| Dielectric Type                      | PTFE                       |
| Shield Materials                     | Silver Plated Copper Braid |
| Jacket Material and Color            | PTFE, White                |

#### Electrical Specifications

|                                       |       |
|---------------------------------------|-------|
| Impedance, Ohms                       | 50    |
| Dielectric Withstanding Voltage, Vrms | 2,000 |

#### Electrical Specifications by Frequency

##### Frequency 1

|                                 |            |
|---------------------------------|------------|
| Frequency, MHz                  | 400        |
| Attenuation, dB/100ft [dB/100m] | 20 [65.62] |

#### Mechanical Specifications

##### Temperature

##### Inner Conductor

|                   |                   |
|-------------------|-------------------|
| Number of Strands | 7                 |
| Material          | Copper Clad Steel |
| Plating           | Silver            |

0.02 [0.51]

##### Dielectric:

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

##### Shield:

|                   |                            |
|-------------------|----------------------------|
| Number of         | 1                          |
| Material 1        | Silver Plated Copper Braid |
| Diameter, in [mm] | 0.081 [2.06]               |

##### Jacket:

|                       |              |
|-----------------------|--------------|
| Material              | PTFE         |
| Diameter, in [mm]     | 0.11 [2.79]  |
| Color                 | White        |
| Weight, lbs/ft [Kg/m] | 0.011 [0.02] |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Flexible RG188 Coax Cable Single Shielded with White PTFE Jacket RG188A/U](#)

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 RG188 Coax Cable Single Shielded with White PTFE Jacket

### TECHNICAL DATA SHEET

RG188A/U

#### 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

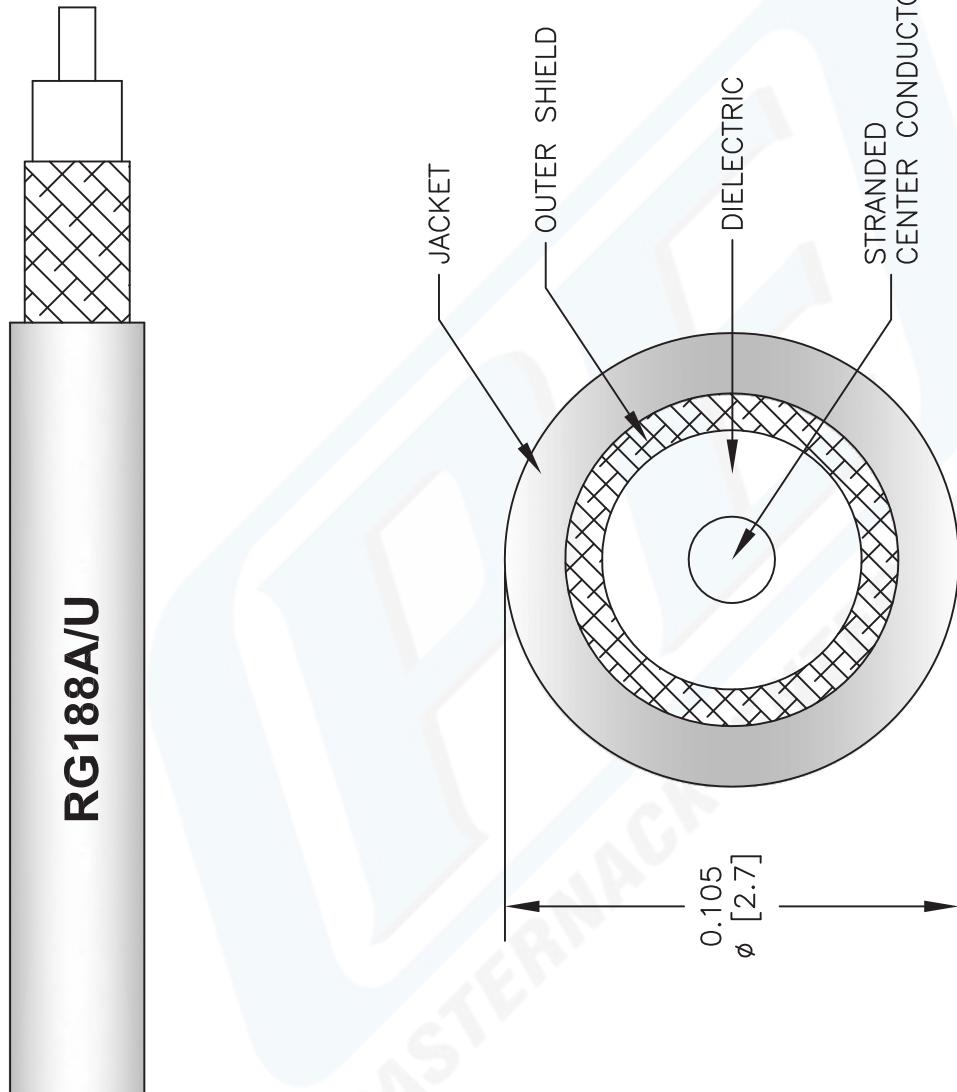
URL: <http://www.pasternack.com/flexible-0.110-rg188-50-ohm-coax-cable-ptfe-jacket-rg188a-u-p.aspx>

Flexible RG188 Coax Cable Single Shielded with White PTFE 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.

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# RG188A/U CAD Drawing

Flexible RG188 Coax Cable Single Shielded with White PTFE Jacket



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

| PASTERNACK®   | DWG TITLE | RG188A/U |       |      |
|---|-----------|----------|-------|------|
| FSCM NO.  | CAD FILE  | 081512-C | SCALE | N/A  |
| SIZE  | A         | 2233     | 2233  | 2233 |
| PASTERNACK Enterprises, Inc.<br>P.O. Box 16759   Irvine   CA   92623<br>Phone: (949) 261-1920   Fax: (949) 261-7451<br>Website: <a href="http://www.pasternack.com">www.pasternack.com</a>   E-Mail: <a href="mailto:sales@pasternack.com">sales@pasternack.com</a> |           |          |       |      |