

## LC Male Connector Clamp/Solder Attachment for RG55, RG58, RG141, RG142, RG223, RG303, RG400, PE-C195, PE-P195, LMR-195



### RF Connectors Technical Data Sheet

PE4565

#### Configuration

- LC Male Connector
- MIL-STD-348
- 50 Ohms
- Straight Body Geometry

- RG55, RG58, RG141, RG142, RG223, RG303, RG400, PE-C195, PE-P195, LMR-195 Interface Type
- Clamp/Solder Attachment

#### Features

- Silver Plated Contact
- Contact plating according to QQ-S-365

#### Applications

- General Purpose Test
- Custom Cable Assemblies

#### Description

Pasternack's PE4565 LC male connector with clamp/solder attachment for RG55, RG58, RG141, RG142, RG223, RG303, RG400, PE-C195, PE-P195 and LMR-195 is part of our full line of RF components available for same-day shipping.

Our LC male connector PE4565 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.

#### Mechanical Specifications

##### Size

Length

2.575 in [65.41 mm]

Width/Dia.

1.5 in [38.10 mm]

Weight

0.536 lbs [243.13 g]

#### Material Specifications

| Description  | Material | Plating            |
|--------------|----------|--------------------|
| Contact      |          | Silver<br>QQ-S-365 |
| Insulation   | PTFE     |                    |
| Body         | Brass    | Nickel<br>QQ-N-290 |
| Coupling Nut | Brass    | Nickel<br>QQ-N-290 |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [LC Male Connector Clamp/Solder Attachment for RG55, RG58, RG141, RG142, RG223, RG303, RG400, PE-C195, PE-P195, LMR-195 PE4565](#)

LC Male Connector Clamp/Solder Attachment for  
RG55, RG58, RG141, RG142, RG223, RG303,  
RG400, PE-C195, PE-P195, LMR-195



## RF Connectors Technical Data Sheet

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

### Plotted and Other Data

Notes:

LC Male Connector Clamp/Solder Attachment for RG55, RG58, RG141, RG142, RG223, RG303, RG400, PE-C195, PE-P195, LMR-195 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.

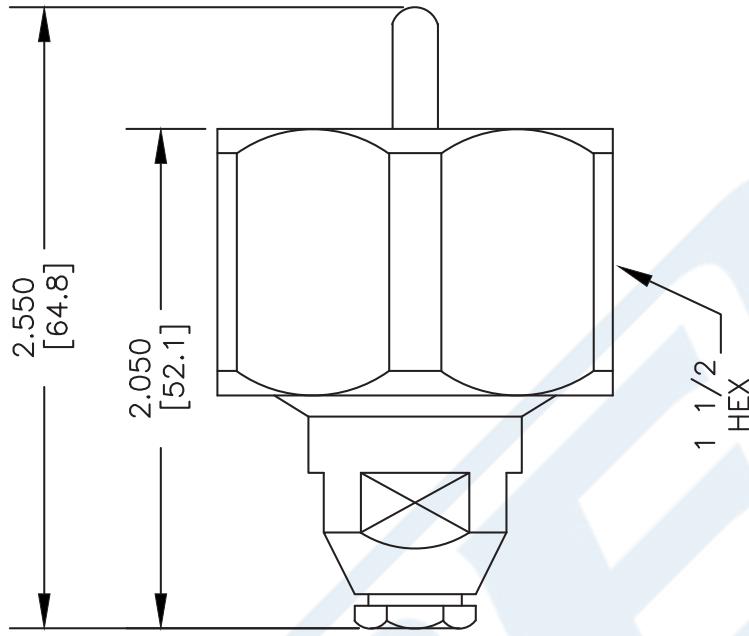
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [LC Male Connector Clamp/Solder Attachment for RG55, RG58, RG141, RG142, RG223, RG303, RG400, PE-C195, PE-P195, LMR-195 PE4565](#)

URL: <https://www.pasternack.com/lc-male-standard-rg58-rg55-rg142-rg223-rg400-connector-pe4565-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.

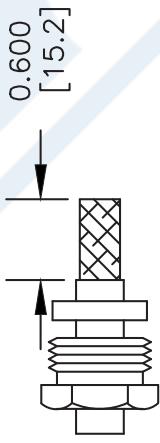
# PE4565 CAD Drawing

LC Male Connector Clamp/Solder Attachment for RG55, RG58, RG141, RG142, RG223, RG303, RG400, PE-C195, PE-P195, LMR-195

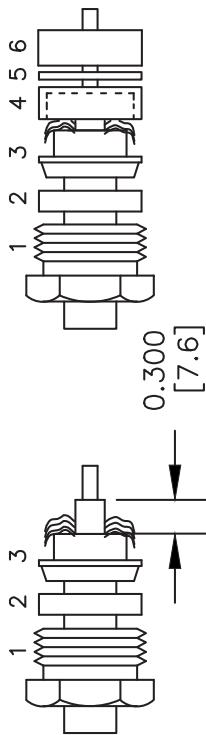


## ASSEMBLY PROCEDURES

1. SLIDE CLAMP NUT (1) & GASKET (2) OVER CABLE. STRIP CABLE AS SHOWN. DO NOT NICK BRAID WHILE CUTTING JACKET. COMB OUT BRAID. TAPER END OF BRAID TO PERMIT ASSEMBLY OF BRAID CLAMP (3). SLIDE BRAID CLAMP (3) OVER BRAID & SEAT AGAINST CABLE.



2. FORM BRAID OVER CLAMP NUT (3) TRIM BRAID BACK TO SHOULDER. CUT DIELECTRIC TO DIMENSION SHOWN. DO NOT NICK CENTER CONDUCTOR. TIN CENTER CONDUCTOR. SLIDE CLAMP NUT (4) & WASHER (5) OVER BRAID. SLIDE PTFE (6) OVER DIELECTRIC. SOLDER CONTACT TO CENTER CONDUCTOR. REMOVE EXCESS SOLDER. DO NOT OVER HEAT DIELECTRIC INSERT CABLE ASSEMBLY INTO BODY & TIGHTEN.



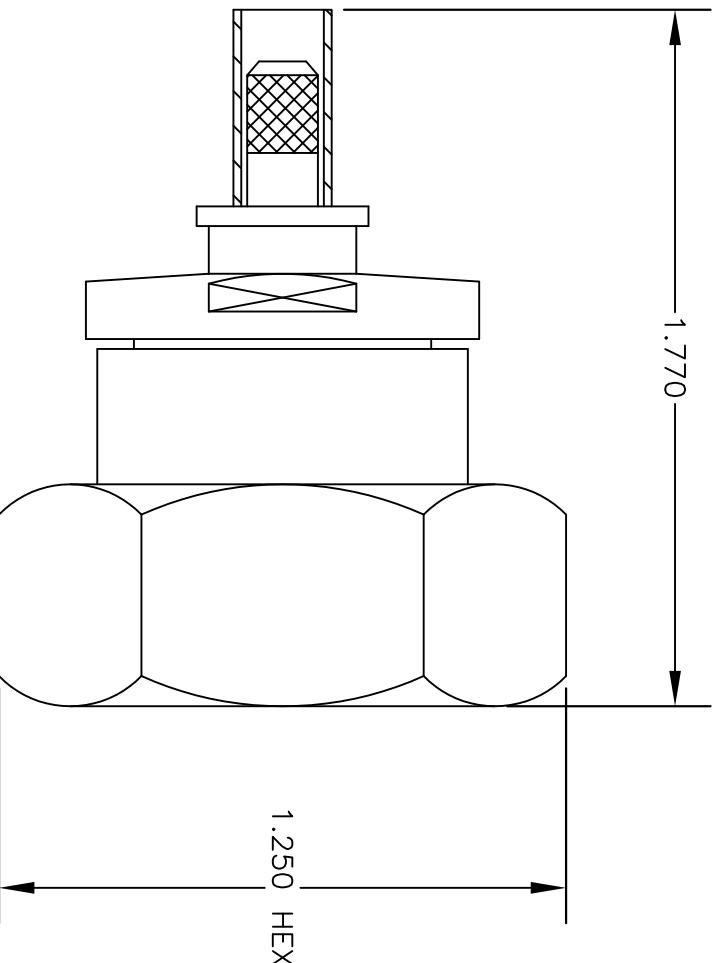
**PE PASTERNACK®**

**PE4565**

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   | PE4565 | CAD FILE | 121803 | SCALE | NA | SIZE | A | xxxx |
|---|--------|----------|--------|-------|----|------|---|------|
| 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> |        |          |        |       |    |      |   |      |

| MATERIALS |                     |
|-----------|---------------------|
| BODY      | BRASS NICKEL PLATED |
| CONTACT   | SILVER PLATED       |
| INSULATOR | PTFE                |
|           |                     |



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E-MAIL ADDRESS: [sales@paternack.com](mailto:sales@paternack.com)

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COAXIAL & FIBER OPTICS

**PE4569**

DWG TITLE

DES. 7/16" MALE CRIMP ATTACHMENT FOR RG58

**PE4569**

SIZE A

**FSCM NO.**

53919

CAD FILE

052302

SCALE N/A

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CRIMP SIZE REQUIRED

CONTACT: SOLDER

FERRULE: .213" HEX CRIMP TOOL

STRIPPING DIMENSIONS

## Flexible RG303 Coax Cable Single Shielded with Tan FEP Jacket

### TECHNICAL DATA SHEET

**RG303/U**

#### Flexible RG303 Coax Cable Single Shielded with Tan FEP Jacket

##### Configuration

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

##### Electrical Specifications

|                                       |             |
|---------------------------------------|-------------|
| Impedance, Ohms                       | 50          |
| Maximum Operating Frequency, GHz      | 3           |
| Capacitance, pF/ft [pF/m]             | 32 [104.99] |
| Dielectric Withstanding Voltage, Vrms | 5,000       |

##### Electrical Specifications by Frequency

###### Frequency 1

|                                 |             |
|---------------------------------|-------------|
| Frequency, MHz                  | 400         |
| Attenuation, dB/100ft [dB/100m] | 8.6 [28.22] |

##### Mechanical Specifications

###### Inner Conductor

|                   |                   |
|-------------------|-------------------|
| Number of Strands | 1                 |
| Material          | Copper Clad Steel |
| Plating           | Silver            |
| Diameter, in [mm] | 0.037 [0.94]      |

###### Dielectric:

|                   |              |
|-------------------|--------------|
| Type              | PTFE         |
| Diameter, in [mm] | 0.116 [2.95] |

###### Shield:

|                   |                            |
|-------------------|----------------------------|
| Number of         | 1                          |
| Material 1        | Silver Plated Copper Braid |
| Diameter, in [mm] | 0.146 [3.71]               |

###### Jacket:

|                       |              |
|-----------------------|--------------|
| Material              | FEP          |
| Diameter, in [mm]     | 0.17 [4.32]  |
| Color                 | Tan          |
| Weight, lbs/ft [Kg/m] | 0.039 [0.06] |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Flexible RG303 Coax Cable Single Shielded with Tan FEP Jacket RG303/U](#)

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## Flexible RG303 Coax Cable Single Shielded with Tan FEP Jacket

### TECHNICAL DATA SHEET

RG303/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

Flexible RG303 Coax Cable Single 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.

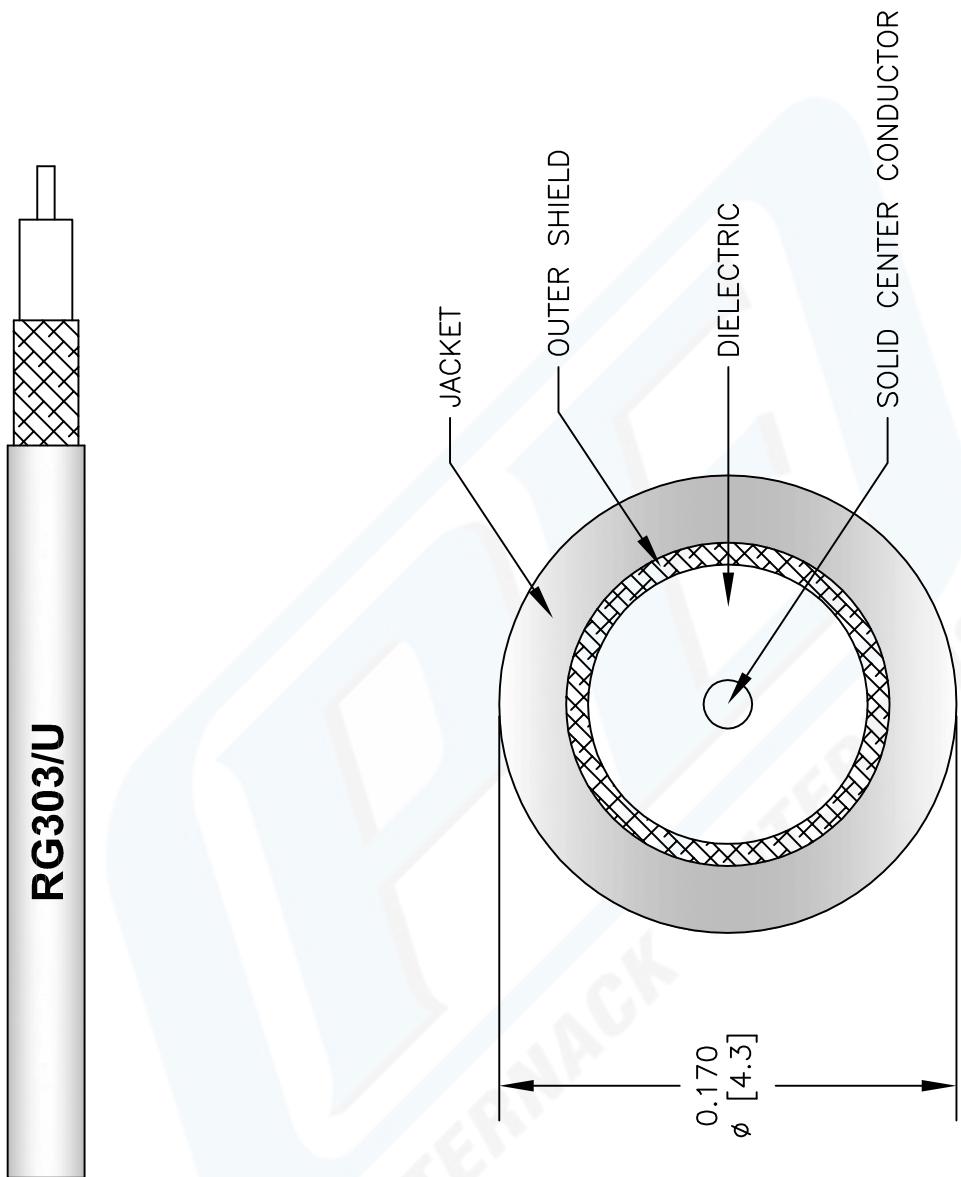
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Flexible RG303 Coax Cable Single Shielded with Tan FEP Jacket RG303/U](http://www.pasternack.com/flexible-0.170-rg303-50-ohm-coax-cable-fep-jacket-rg303-u-p.aspx)

URL: <http://www.pasternack.com/flexible-0.170-rg303-50-ohm-coax-cable-fep-jacket-rg303-u-p.aspx>

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# RG303/U CAD Drawing

Flexible RG303 Coax Cable Single Shielded with Tan FEP Jacket



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3. DIMENSIONS ARE IN INCHES [mm].

| DWG TITLE |          | RG303/U |          |          |
|-----------|----------|---------|----------|----------|
| REV. A    | FSCM NO. | 53919   | CAD FILE | 022908-A |

SIZE A

147

|                       |  |
|-----------------------|--|
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