



UHF Male Connector Crimp/Solder Attachment for RG58, RG303, RG141, PE-C195, PE-P195, LMR-195, 0.195 inch

## RF Connectors Technical Data Sheet

**PE4069**

### Configuration

- UHF Male Connector
- 50 Ohms
- Straight Body Geometry
- RG58, RG303, RG141, PE-C195, PE-P195, LMR-195, 0.195 inch Interface Type
- Crimp/Solder Attachment

### Features

- Max. Operating Frequency 300 MHz
- Good VSWR of 1.3:1
- Gold Plated Brass Contact
- 30  $\mu$ m minimum contact plating

### Applications

- General Purpose Test
- Custom Cable Assemblies

### Description

Pasternack's PE4069 UHF male connector with crimp/solder attachment for RG58, RG303, RG141, PE-C195, PE-P195, LMR-195 and 0.195 inch is part of our full line of RF components available for same-day shipping. Our UHF male connector operates up to a maximum frequency of 300 MHz and offers good VSWR of 1.3:1.

Our UHF male connector PE4069 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      |         | 300     | MHz   |
| VSWR                   |         |         | 1.3:1   |       |
| Operating Voltage (AC) |         |         | 500     | Vrms  |

### Mechanical Specifications

#### Size

|            |                     |
|------------|---------------------|
| Length     | 1.295 in [32.89 mm] |
| Width/Dia. | 0.7 in [17.78 mm]   |
| Weight     | 0.038 lbs [17.24 g] |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [UHF Male Connector Crimp/Solder Attachment for RG58, RG303, RG141, PE-C195, PE-P195, LMR-195, 0.195 inch PE4069](#)



UHF Male Connector Crimp/Solder Attachment for RG58,  
RG303, RG141, PE-C195, PE-P195, LMR-195, 0.195 inch

## RF Connectors Technical Data Sheet

**PE4069**

### Material Specifications

| Description  | Material | Plating                   |
|--------------|----------|---------------------------|
| Contact      | Brass    | Gold<br>30 µin minimum    |
| Insulation   | PTFE     |                           |
| Body         | Brass    | Nickel<br>100 µin minimum |
| Coupling Nut | Brass    | Nickel<br>100 µin minimum |

### Environmental Specifications

#### Temperature

Operating Range

-55 to +85 deg C

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

### Plotted and Other Data

Notes:

UHF Male Connector Crimp/Solder Attachment for RG58, RG303, RG141, PE-C195, PE-P195, LMR-195, 0.195 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.

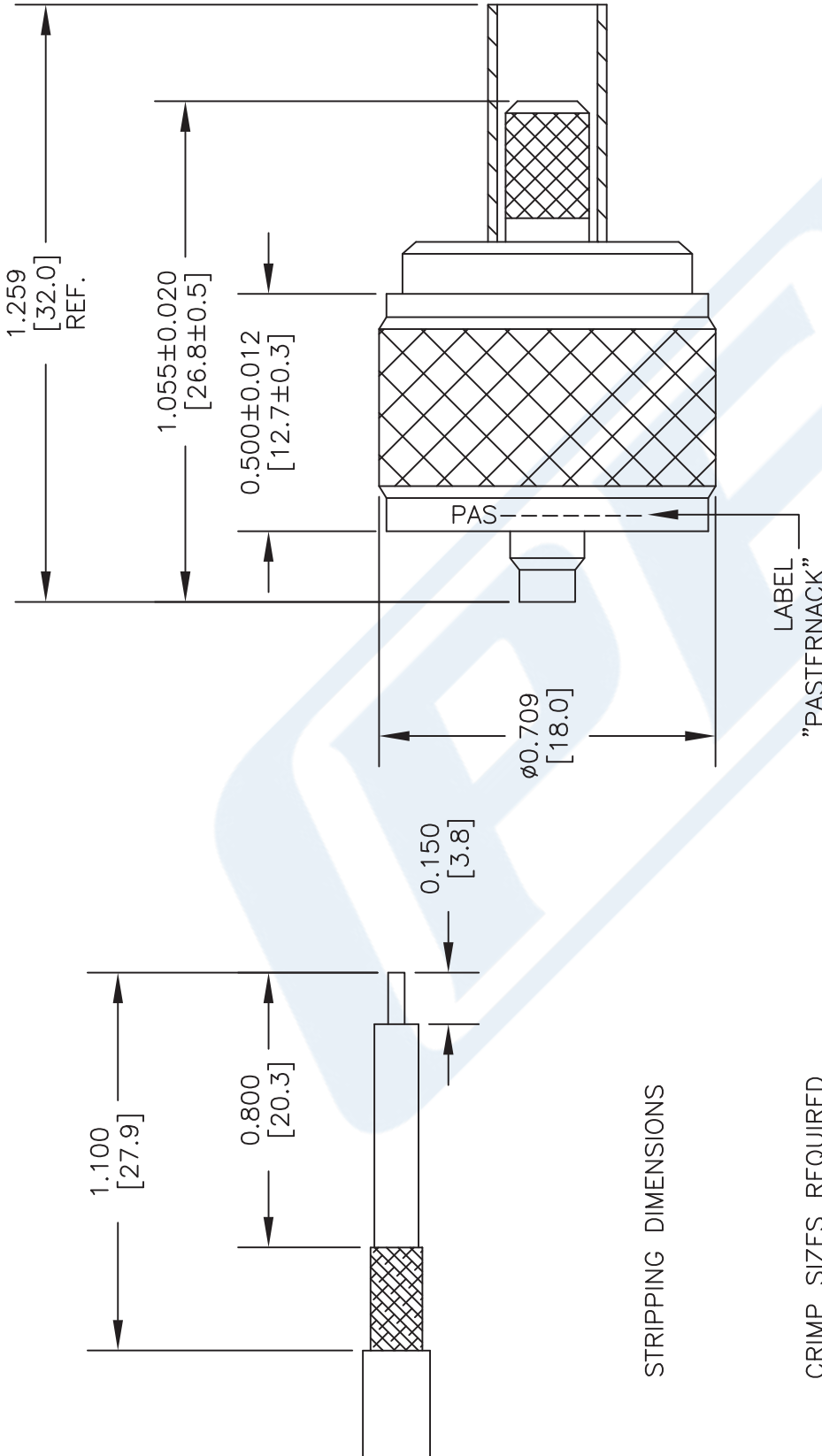
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [UHF Male Connector Crimp/Solder Attachment for RG58, RG303, RG141, PE-C195, PE-P195, LMR-195, 0.195 inch PE4069](#)

URL: <https://www.pasternack.com/uhf-male-standard-rg58-connector-pe4069-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.

# PE4069 CAD Drawing

UHF Male Connector Crimp/Solder Attachment for RG58, RG303,  
RG141, PE-C195, PE-P195, LMR-195, 0.195 inch



## STRIPPING DIMENSIONS

## CRIMP SIZES REQUIRED

CONTACT: .068" HEX CRIMP TOOL  
FERRULE: .213" HEX CRIMP TOOL

## STANDARD TOLERANCES

.X ± 0.2  
.XX ± 0.1  
.XXX ± 0.05

\*STANDARD TOLERANCES APPLY  
ONLY TO DIMENSIONS IN INCHES



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DWG TITLE

**PE4069**

FSCM NO. 53919

CAD FILE 050216

SCALE N/A

SIZE A

3045

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].



1.0/2.3 Plug Connector Crimp/Solder Attachment for RG58, RG303, RG141, PE-C195, PE-P195, LMR-195, 0.195 inch

## RF Connectors Technical Data Sheet

**PE44243**

### Configuration

- 1.0/2.3 Plug Connector
- 50 Ohms
- Straight Body Geometry
- RG58, RG303, RG141, PE-C195, PE-P195, LMR-195, 0.195 inch Interface Type
- Crimp/Solder Attachment

### Features

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

### Applications

- General Purpose Test
- Custom Cable Assemblies

### Description

Pasternack's PE44243 1.0/2.3 plug connector with crimp/solder attachment for RG58, RG303, RG141, PE-C195, PE-P195, LMR-195 and 0.195 inch is part of our full line of RF components available for same-day shipping. Our 1.0/2.3 plug connector operates up to a maximum frequency of 4 GHz and offers good VSWR of 1.3:1.

Our 1.0/2.3 plug connector PE44243 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)               |         |         | 250     | Vrms  |
| Dielectric Withstanding Voltage (AC) |         |         | 750     | Vrms  |

### Mechanical Specifications

#### Size

|            |                    |
|------------|--------------------|
| Length     | 1.122 in [28.5 mm] |
| Width/Dia. | 0.303 in [7.70 mm] |
| Weight     | 0.016 lbs [7.26 g] |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [1.0/2.3 Plug Connector Crimp/Solder Attachment for RG58, RG303, RG141, PE-C195, PE-P195, LMR-195, 0.195 inch PE44243](#)



1.0/2.3 Plug Connector Crimp/Solder Attachment for RG58,  
RG303, RG141, PE-C195, PE-P195, LMR-195, 0.195 inch

## RF Connectors Technical Data Sheet

**PE44243**

### Material Specifications

| Description | Material | Plating                   |
|-------------|----------|---------------------------|
| Contact     | Brass    | Gold<br>30 µin minimum    |
| Insulation  | PTFE     |                           |
| Body        | Brass    | Nickel<br>100 µin minimum |

### Environmental Specifications

#### Temperature

Operating Range -40 to +155 deg C

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

### Plotted and Other Data

Notes:

1.0/2.3 Plug Connector Crimp/Solder Attachment for RG58, RG303, RG141, PE-C195, PE-P195, LMR-195, 0.195 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.

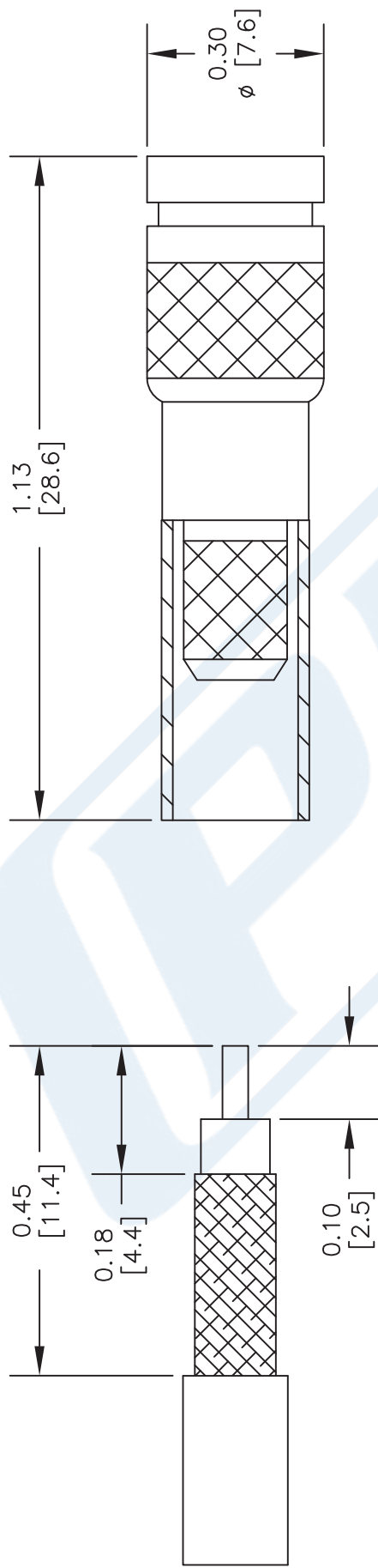
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [1.0/2.3 Plug Connector Crimp/Solder Attachment for RG58, RG303, RG141, PE-C195, PE-P195, LMR-195, 0.195 inch PE44243](#)

URL: <https://www.pasternack.com/1.0-2.3-plug-standard-rg58-connector-pe44243-p.aspx>

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PE44243 CAD Drawing

1.0/2.3 Plug Connector Crimp/Solder Attachment for RG58, RG303, RG141, PE-C195, PE-P195, LMR-195, 0.195 inch



STRIPPING DIMENSIONS  
CRIMP SIZE REQUIRED  
CONTACT: SOLDER  
FERRULE: .213" HEX CRIMP TOOL

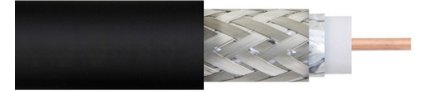
|                                                   |                 |                                                                                                                                                                                                                                |             |
|---------------------------------------------------|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| <div><div>DWG TITLE</div><div>PE44243</div></div> |                 | NOTES:<br>1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.<br>2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.<br>3. DIMENSIONS ARE IN INCHES [mm].<br>4. FITS MIL-C-17 AND EQUIVALENT CABLES. |             |
| FSCM NO. 53919                                    | CAD FILE 073102 | SCALE N/A                                                                                                                                                                                                                      | SIZE A 2233 |

PE

PASTERNAK®

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## Low Loss Flexible LMR-195 Outdoor Rated Coax Cable Double Shielded with Black PE Jacket



### LMR-195

#### Times Microwave Systems Coax Cable Specification

##### Configuration

- Low Loss, Outdoor Flexible Cable
- 2 Shield(s)

##### Features

- Max Operating Frequency of 8 GHz
- Low Loss Cable
- Phase Velocity 80% VoP

##### Applications

- Laboratory Applications
- General Purpose RF Interconnect

##### Description

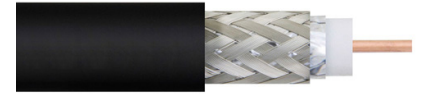
LMR-195 part number from Pasternack is a LMR-195 coax cable that is flexible. Pasternack LMR-195 flexible coax cable is 50 Ohm and has a PE (F) dielectric. Our LMR-195 coax is constructed with a 0.195 jacket made of PE. LMR-195 coax has a shield count of 2, a RF shielding of 90 dB and the maximum frequency for this Pasternack cable is 8 GHz. LMR-195 coax cable has an attenuation at 1 GHz of 11.8 dB.

Pasternack LMR-195 coax cables are part of over 40,000 RF, microwave and millimeter wave components. LMR-195 cables and our other RF parts are available for same day shipping worldwide. Custom RF cable assemblies using LMR-195 or other coax can be built and shipped same day as well.

#### Electrical Specifications

| Description                          | Minimum | Typical      | Maximum | Units        |
|--------------------------------------|---------|--------------|---------|--------------|
| Frequency Range                      | DC      |              | 8       | GHz          |
| Cutoff Frequency                     |         | 41           |         | GHz          |
| Impedance                            |         | 50           |         | Ohms         |
| Velocity of Propagation              |         | 80           |         | %            |
| Time Delay                           |         | 1.27 [4.17]  |         | ns/ft [ns/m] |
| Shielding Effectiveness              | 90      |              |         | dB           |
| Dielectric Withstanding Voltage (DC) |         |              | 1,000   | Vdc          |
| Jacket Spark                         |         |              | 3,000   | Vrms         |
| Inner Conductor DC Resistance        |         |              | 7.6     | Ohms/1000ft  |
| Outer Conductor DC Resistance        |         |              | 4.9     | Ohms/1000ft  |
| Nominal Capacitance                  |         | 25.4 [83.33] |         | pF/ft [pF/m] |
| Nominal Inductance                   |         | 0.064 [0.21] |         | uH/ft [uH/m] |
| Input Power (Peak)                   |         |              | 2.5     | kWatts       |

## Low Loss Flexible LMR-195 Outdoor Rated Coax Cable Double Shielded with Black PE Jacket



### LMR-195

#### Performance by Frequency Band

| Description           | F1  | F2    | F3    | F4    | F5    | Units    |
|-----------------------|-----|-------|-------|-------|-------|----------|
| Frequency             | 50  | 150   | 220   | 450   | 900   | MHz      |
| Attenuation, Typ      | 2.5 | 4.4   | 5.4   | 7.8   | 11.1  | dB/100ft |
|                       | 8.2 | 14.44 | 17.72 | 25.59 | 36.42 | dB/100m  |
| Input Power (CW), Max | 680 | 390   | 320   | 220   | 160   | Watts    |

| Description           | F6    | F7    | F8    | F9    | F10  | Units    |
|-----------------------|-------|-------|-------|-------|------|----------|
| Frequency             | 1.5   | 1.8   | 2     | 2.5   | 5.8  | GHz      |
| Attenuation, Typ      | 14.5  | 16    | 16.9  | 19    | 29.9 | dB/100ft |
|                       | 47.57 | 52.49 | 55.45 | 62.34 | 98.1 | dB/100m  |
| Input Power (CW), Max | 120   | 110   | 100   | 90    | 60   | Watts    |

#### Mechanical Specifications

|                                 |                          |
|---------------------------------|--------------------------|
| Diameter                        | 0.195 in [4.95 mm]       |
| Weight                          | 0.022 lbs/ft [0.03 kg/m] |
| Min. Bend Radius (Installation) | 0.5 in [12.7 mm]         |
| Min. Bend Radius (Repeated)     | 2 in [50.8 mm]           |
| Bending Moment                  | 0.2 lbs-ft [0.27 N-m]    |
| Tensile Strength                | 40 lbs [18.14 kg]        |
| Flat Plate Crush                | 15 lbs/in [0.27 kg/mm]   |

#### Construction Specifications

| Description     | Material and Plating | Diameter           |
|-----------------|----------------------|--------------------|
| Inner Conductor | Copper, 1 Strand     | 0.037 in [0.94 mm] |
| Conductor Type  | Solid                |                    |
| Dielectric      | PE (F)               | 0.11 in [2.79 mm]  |
| First Shield    | Aluminum Tape        |                    |
| Second Shield   | Tinned Copper Braid  |                    |
| Jacket          | PE, Black            | 0.195 in [4.95 mm] |

#### Environmental Specifications

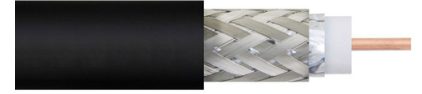
|                    |                  |
|--------------------|------------------|
| <b>Temperature</b> |                  |
| Operating Range    | -40 to +85 deg C |
| Storage Range      | -70 to +85 deg C |

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

#### Plotted and Other Data

Notes:

## Low Loss Flexible LMR-195 Outdoor Rated Coax Cable Double Shielded with Black PE Jacket



### LMR-195

Low Loss Flexible LMR-195 Outdoor Rated Coax Cable Double Shielded with Black PE 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: [Low Loss Flexible LMR-195 Outdoor Rated Coax Cable Double Shielded with Black PE Jacket LMR-195](https://www.pasternack.com/50-ohm-low-loss-flexible-lmr195-pe-jacket-double-shielded-black-lmr-195-p.aspx)

URL: <https://www.pasternack.com/50-ohm-low-loss-flexible-lmr195-pe-jacket-double-shielded-black-lmr-195-p.aspx>

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