



TNC Female Bulkhead Mount Connector Crimp/Solder Attachment for RG58, RG303, RG141, PE-C195, PE-P195, LMR-195, 0.195 inch, .480 inch D Hole

## RF Connectors Technical Data Sheet

**PE4151**

### Configuration

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

- Connector Interface Types: RG58, RG303, RG141, PE-C195, PE-P195, LMR-195, .195 inch
- Bulkhead

### Features

- Max. Operating Frequency 4 GHz
- Good VSWR of 1.5:1

- Gold Plated Brass Contact
- 30 µin minimum contact plating

### Applications

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

### Description

Pasternack's PE4151 TNC female bulkhead connector with crimp/solder attachment for RG58, RG303, RG141, PE-C195, PE-P195, LMR-195 and .195 inch (.480 inch D hole) 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 4 GHz and offers good VSWR of 1.5:1. 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.

Our TNC female bulkhead connector PE4151 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                   |         |         | 1.5:1   |       |
| Operating Voltage (AC) |         |         | 500     | Vrms  |

### Mechanical Specifications

#### Size

|            |                     |
|------------|---------------------|
| Length     | 1.42 in [36.07 mm]  |
| Width/Dia. | 0.689 in [17.50 mm] |
| Height     | 0.689 in [17.5 mm]  |
| Weight     | 0.032 lbs [14.51 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 RG58, RG303, RG141, PE-C195, PE-P195, LMR-195, 0.195 inch, .480 inch D Hole PE4151](#)



TNC Female Bulkhead Mount Connector Crimp/Solder Attachment for RG58, RG303, RG141, PE-C195, PE-P195, LMR-195, 0.195 inch, .480 inch D Hole

## RF Connectors Technical Data Sheet

**PE4151**

### 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 -65 to +165 deg C

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

### Plotted and Other Data

Notes:

TNC Female Bulkhead Mount Connector Crimp/Solder Attachment for RG58, RG303, RG141, PE-C195, PE-P195, LMR-195, 0.195 inch, .480 inch D Hole 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: [TNC Female Bulkhead Mount Connector Crimp/Solder Attachment for RG58, RG303, RG141, PE-C195, PE-P195, LMR-195, 0.195 inch, .480 inch D Hole PE4151](#)

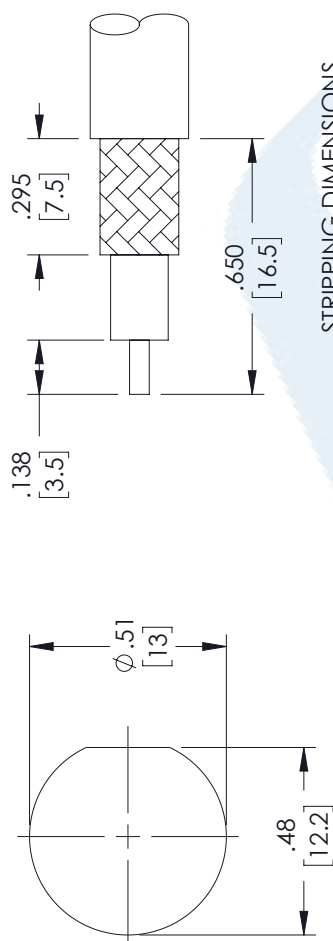
URL: <https://www.pasternack.com/tnc-female-standard-rg58-connector-pe4151-p.aspx>

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# PE4151 CAD Drawing

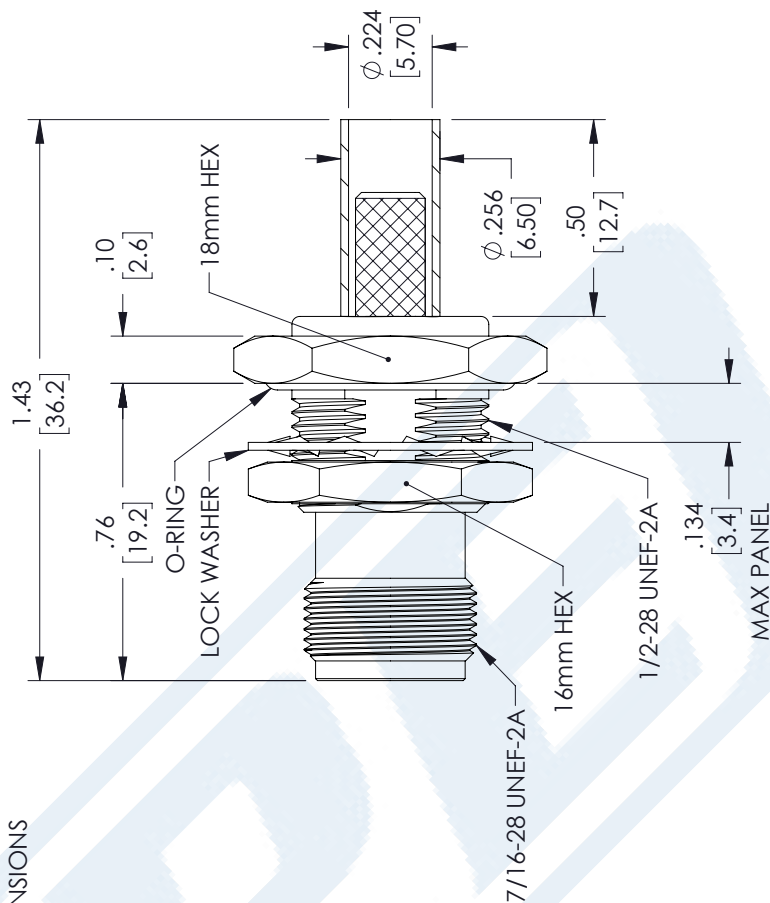
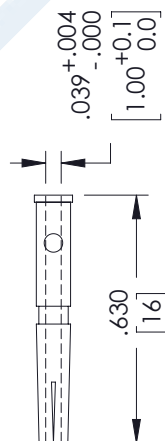
TNC Female Bulkhead Mount Connector Crimp/Solder Attachment for RG58, RG303, RG141, PE-C195, PE-P195, LMR-195, 0.195 inch, .480 inch D Hole

| REVISIONS |                     |            |          |
|-----------|---------------------|------------|----------|
| REV.      | DESCRIPTION         | DATE       | APPROVED |
| B         | PCR PE4151 20220706 | 07/21/2022 | SRAUTUS  |



STRIPPING DIMENSIONS

MOUNTING HOLE



## 1.0 ELECTRICAL

- 1.1 FREQUENCY RANGE: DC-4 GHz.
- 1.2 NOMINAL IMPEDANCE 50 OHMS.
- 1.3 VOLTAGE RATING: 500 VOLTS MAX.

## 2.0 MECHANICAL

- 2.1 INTERFACE IN ACCORDANCE WITH: MIL-STD-348A.
- 2.2 FOR USE WITH RG142U OR SIMILAR STYLE CABLE.
- 2.3 CABLE ATTACHMENT: OUTER: CRIMP, INNER: SOLDER/CRIMP.
- 2.4 CRIMP SIZE REQUIRED: CONTACT: .071 [1.8] HEX CRIMP TOOL  
FERRULE: .221 [5.6] HEX CRIMP TOOL.

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UNLESS OTHERWISE SPECIFIED  
LEADING DIMENSIONS ARE INCHES  
DIMENSIONS IN [ ] ARE MILLIMETERS

TOLERANCES:

X = ± .2 [5.08]  
.XX = ± .02 [ .51]  
.XXX = ± .005 [ .13]  
ANGLES ± 1°  
CABLE LENGTH (L) TOLERANCES:

L ≤ 12 [305] = ± .1 [2.5] / -0  
12 [305] < L ≤ 60 [1524] = +2 [51] / -0  
60 [1524] < L ≤ 120 [3048] = +4 [102] / -0  
120 [3048] < L ≤ 300 [7620] = +6 [152] / -0  
300 [7620] < L = +5% / -0

ALL DIMENSIONS SHOWN  
ARE FOR REFERENCE ONLY.



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SHEET 1 OF 1  
SCALE N/A

| SIZE | CAGE CODE | DRAWN BY | ITEM NO. | REV |
|------|-----------|----------|----------|-----|
| A    | 53919     | DZINN    | PE4151   | B   |



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

## RF Connectors Technical Data Sheet

**PE4027**

### Configuration

- SMA Male Connector
- MIL-STD-348
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: RG55, RG58, RG141, RG142, RG223, RG303, RG400, PE-C195, PE-P195, LMR-195
- 5/16 inch Hex

### Features

- Max. Operating Frequency 12.4 GHz
- Gold Plated Brass Contact
- Contact plating according to MIL-G-45204

### Applications

- General Purpose Test
- Custom Cable Assemblies

### Description

Pasternack's PE4027, SMA, Standard, Connector is part of our full line of RF components available for same-day shipping. Our SMA male connector operates up to a maximum frequency of 12.4 GHz.

Our SMA male connector PE4027 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      |         | 12.4    | GHz   |
| Operating Voltage (AC)               |         |         | 335     | Vrms  |
| Impedance                            |         | 50      |         | Ohms  |
| Dielectric Withstanding Voltage (AC) |         |         | 1,000   | Vrms  |
| Insulation Resistance                | 5,000   |         |         | MOhms |

### Mechanical Specifications

|               |                                 |
|---------------|---------------------------------|
| Size          |                                 |
| Length        | 0.80 in [20.32 mm]              |
| Width         | 0.31 in [7.92 mm]               |
| Weight        | 0.01 lbs [5.44 g]               |
| Mating Torque | 3 to 5 in-lbs [0.34 to 0.57 Nm] |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Male Connector Clamp/Solder Attachment for RG55, RG58, RG141, RG142, RG223, RG303, RG400, PE-C195, PE-P195, LMR-195 PE4027](#)



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

## RF Connectors Technical Data Sheet

**PE4027**

### Material Specifications

| Description  | Material | Plating             |
|--------------|----------|---------------------|
| Contact      | Brass    | Gold<br>MIL-G-45204 |
| Insulation   | PTFE     |                     |
| Body         | Brass    | Nickel<br>QQ-N-290  |
| Coupling Nut | Brass    | Nickel<br>QQ-N-290  |

### Environmental Specifications

#### Temperature

Operating Range

-65 to +165 deg C

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

### Plotted and Other Data

Notes:

SMA 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 99.4% availability and are part of the broadest selection in the industry.

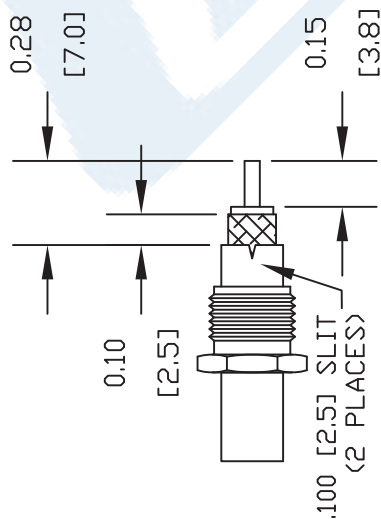
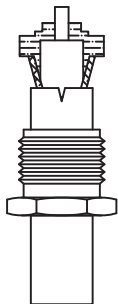
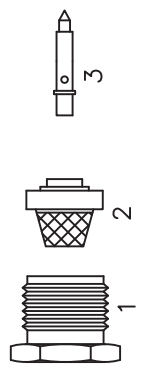
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Male Connector Clamp/Solder Attachment for RG55, RG58, RG141, RG142, RG223, RG303, RG400, PE-C195, PE-P195, LMR-195 PE4027](#)

URL: <https://www.pasternack.com/sma-male-standard-rg58-rg55-rg142-rg223-rg400-connector-pe4027-p.aspx>

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# PE4027 CAD Drawing

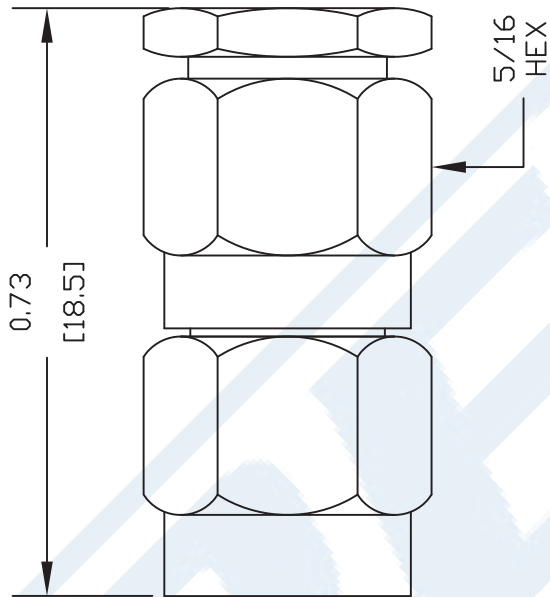
SMA Male Connector Clamp/Solder Attachment for RG55, RG58, RG141, RG142, RG223, RG303, RG400, PE-C195, PE-P195, LMR-195



## STRIPPING DIMENSIONS

## ASSEMBLY PROCEDURES

1. SLIDE CLAMP NUT (1) OVER CABLE. STRIP CABLE AS SHOWN.
2. FLARE BRAID AND SLIDE CLAMP (2) OVER DIELECTRIC AND UNDER BRAID UNTIL THE CLAMP STOPS. TRIM EXCESS BRAID TO DIAMETER OF THE CLAMP (2).
3. SLIDE CONTACT OVER CENTER CONDUCTOR AND INTO CLAMP INSULATOR. SOLDER CONTACT ONTO CENTER CONDUCTOR.
4. INSERT ASSEMBLY INTO BODY AND TIGHTEN.



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DWG TITLE

**PE4027**

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 030704

SCALE N/A

SIZE A

147



## Low Loss Flexible PE-P195 Coax Cable Triple Shielded with Tan FEP Jacket

### RF Cables Technical Data Sheet

**PE-P195**

#### Configuration

- Low Loss Flexible Cable
- 3 Shield(s)

#### Electrical Specifications

| Description                          | Minimum | Typical    | Maximum | Units        |
|--------------------------------------|---------|------------|---------|--------------|
| Frequency Range                      | DC      |            | 22      | GHz          |
| Impedance                            |         | 50         |         | Ohms         |
| Velocity of Propagation              |         | 70         |         | %            |
| Operating Voltage (AC)               |         |            | 1,900   | Vrms         |
| Dielectric Withstanding Voltage (AC) |         |            | 5,000   | Vrms         |
| Nominal Capacitance                  |         | 29 [95.14] |         | pF/ft [pF/m] |

#### Performance by Frequency Band

| Description      | F1   | F2    | F3    | F4     | F5     | Units    |
|------------------|------|-------|-------|--------|--------|----------|
| Frequency        | 0.1  | 0.5   | 1     | 5      | 10     | GHz      |
| Attenuation, Typ | 3.9  | 8.8   | 12.5  | 31.5   | 45     | dB/100ft |
|                  | 12.8 | 28.87 | 41.01 | 103.35 | 147.64 | dB/100m  |

| Description      | F6     | F7     | F8     | F9    | F10 | Units    |
|------------------|--------|--------|--------|-------|-----|----------|
| Frequency        | 15     | 18     | 20     | 22    |     | GHz      |
| Attenuation, Typ | 58     | 65     | 69     | 73    |     | dB/100ft |
|                  | 190.29 | 213.25 | 226.38 | 239.5 |     | dB/100m  |

#### Mechanical Specifications

|                             |                          |
|-----------------------------|--------------------------|
| Diameter                    | 0.195 in [4.95 mm]       |
| Weight                      | 0.038 lbs/ft [0.06 Kg/m] |
| Min. Bend Radius (Repeated) | 1 in [25.4 mm]           |

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 PE-P195 Coax Cable Triple Shielded with Tan FEP Jacket PE-P195](#)



## Low Loss Flexible PE-P195 Coax Cable Triple Shielded with Tan FEP Jacket

### RF Cables Technical Data Sheet

**PE-P195**

#### Construction Specifications

| Description     | Material and Plating                       | Diameter           |
|-----------------|--------------------------------------------|--------------------|
| Inner Conductor | Copper Clad Steel, Silver, 1 Strands       | 0.037 in [0.94 mm] |
| Conductor Type  | Solid                                      |                    |
| Dielectric      | PTFE                                       | 0.116 in [2.95 mm] |
| First Shield    | Silver Plated Copper Braid<br>96% coverage | 0.126 in [3.2 mm]  |
| Second Shield   | Aluminum Tape                              | 0.132 in [3.35 mm] |
| Third Shield    | Silver Plated Copper Braid<br>96% coverage | 0.155 in [3.94 mm] |
| Jacket          | FEP, Tan                                   | 0.195 in [4.95 mm] |

#### Environmental Specifications

##### Temperature

Operating Range -55 to +200 deg C

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

#### Plotted and Other Data

##### Notes:

Low Loss Flexible PE-P195 Coax Cable Triple 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.

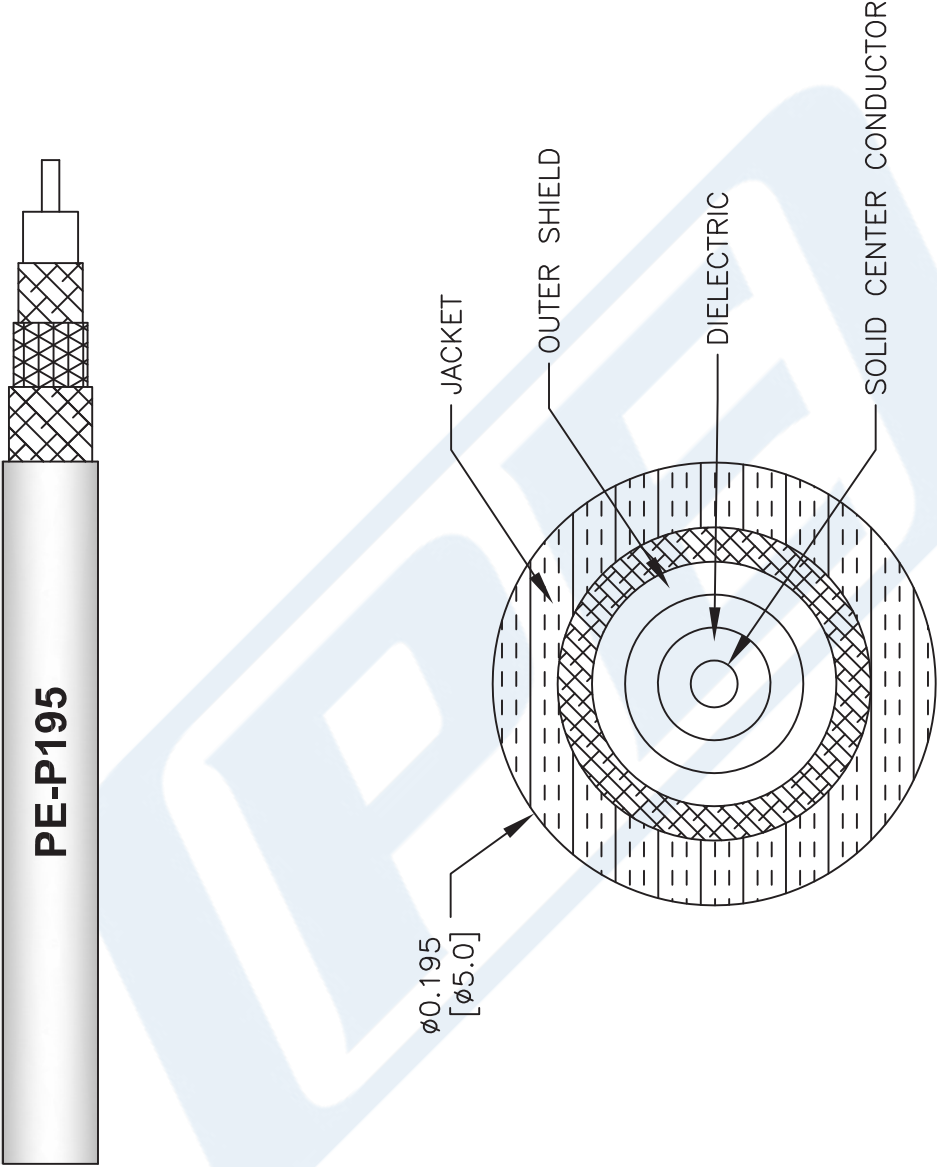
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Low Loss Flexible PE-P195 Coax Cable Triple Shielded with Tan FEP Jacket PE-P195](#)

URL: <https://www.pasternack.com/precision-0.195-rg142-solid-center-conductor-52-ohm-coax-cable-fep-jacket-pe-p195-p.aspx>

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PE-P195 CAD Drawing

Low Loss Flexible PE-P195 Coax Cable Triple Shielded with Tan FEP Jacket



NOTES:  
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3. DIMENSIONS ARE IN INCHES [mm].

DWG TITLE  
**PE-P195**

FSCM NO. 53919

CAD FILE 111716

SCALE N/A

SIZE A

41742

**P****E** **PASTERNAK**  
THE ENGINEER'S RF SOURCE

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