



SHV Jack Bulkhead Connector Clamp/Solder Attachment For RG58, RG55, RG141, RG142, RG223, RG400, .480 inch D Hole

RF Connectors Technical Data Sheet

PE44080

Configuration

- SHV Jack Connector
- MIL-STD-348
- 50 Ohms
- Straight Body Geometry
- RG58, RG142, RG223, RG400, RG141, RG303, RG55, LMR-400, PE-C195, PE-P195 Interface Type
- Clamp/Solder Attachment
- Bulkhead

Features

- Silver Plated Brass Contact
- Contact plating according to ASTM-B700

Applications

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

Description

Pasternack's PE44080 SHV jack bulkhead connector with clamp/solder attachment for RG58, RG142, RG223, RG400, RG141, RG303, RG55, LMR-400, PE-C195 and PE-P195 (.480 inch D hole) is part of our full line of RF components available for same-day shipping. This SHV 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 SHV jack bulkhead connector PE44080 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
Operating Voltage (AC)			3,500	Vrms
Dielectric Withstanding Voltage (AC)			5,000	Vrms

Mechanical Specifications

Size	
Length	1.83 in [46.48 mm]
Width/Dia.	0.687 in [17.45 mm]
Weight	0.069 lbs [31.3 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SHV Jack Bulkhead Connector Clamp/Solder Attachment For RG58, RG55, RG141, RG142, RG223, RG400, .480 inch D Hole PE44080](#)



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Material Specifications

Description	Material	Plating
Contact	Brass	Silver ASTM-B700
Insulation	PTFE	
Body	Brass	Nickel ASTM-B689

Environmental Specifications

Temperature

Operating Range -65 to +165 deg C

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

Plotted and Other Data

Notes:

Assembly Instruction

SHV Jack Bulkhead Connector Clamp/Solder Attachment For RG58, RG55, RG141, RG142, RG223, RG400, .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.

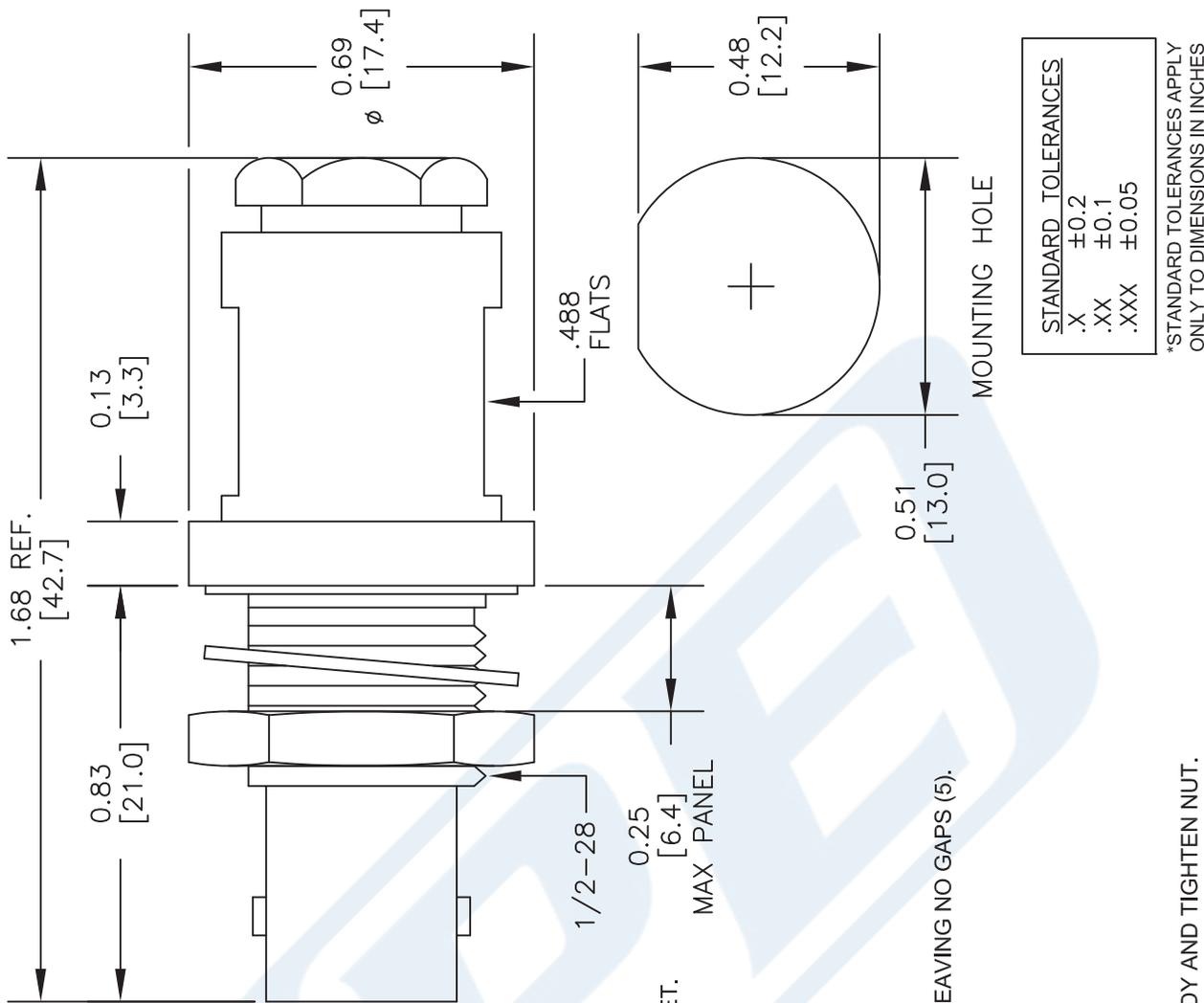
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URL: <https://www.pasternack.com/shv-jack-standard-rg58-rg55-rg141-rg142-rg223-rg400-connector-pe44080-p.aspx>

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.

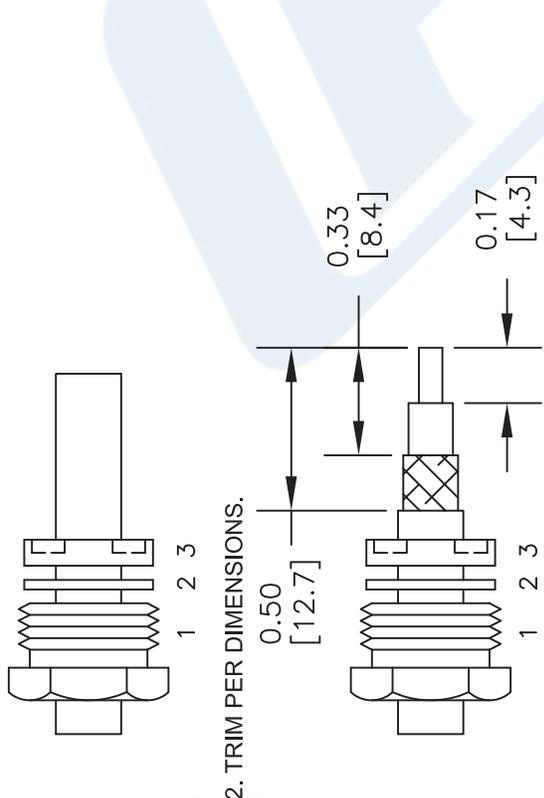
PE44080 CAD Drawing

SHV Jack Bulkhead Connector Clamp/Solder Attachment For RG58, RG55, RG141, RG142, RG223, RG400, .480 inch D Hole

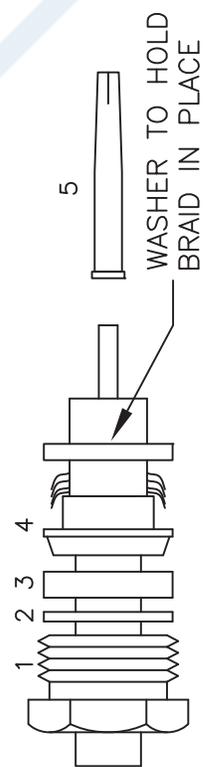


ASSEMBLY PROCEDURES

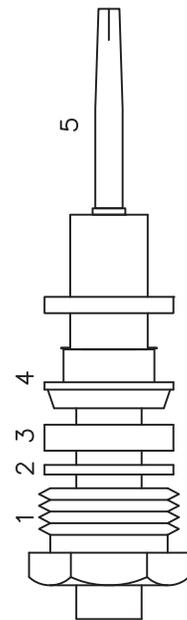
1. SLIDE CLAMP NUT (1), WASHER* (2) & GASKET (3) OVER CABLE AS SHOWN.



3. A) SLIDE BRAID CLAMP OVER BRAID UNTIL IT STOPS ON CABLE JACKET.
B) FLAIR BRAID AS SHOWN.



4. INSTALL CONTACT BY SOLDERING TO CABLE CENTER CONDUCTOR LEAVING NO GAPS (5).



5. REMOVE EXCESS SOLDER. INSERT ASSEMBLY INTO CONNECTOR BODY AND TIGHTEN NUT.

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Website: www.pasternack.com | E-Mail: sales@pasternack.com

DWG TITLE
PE44080

NOTES:
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2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.
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CAGE CODE 53919

CAD FILE 060817

SCALE N/A

SIZE A

2233



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Operating Range -65 to +165 deg C

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Plotted and Other Data

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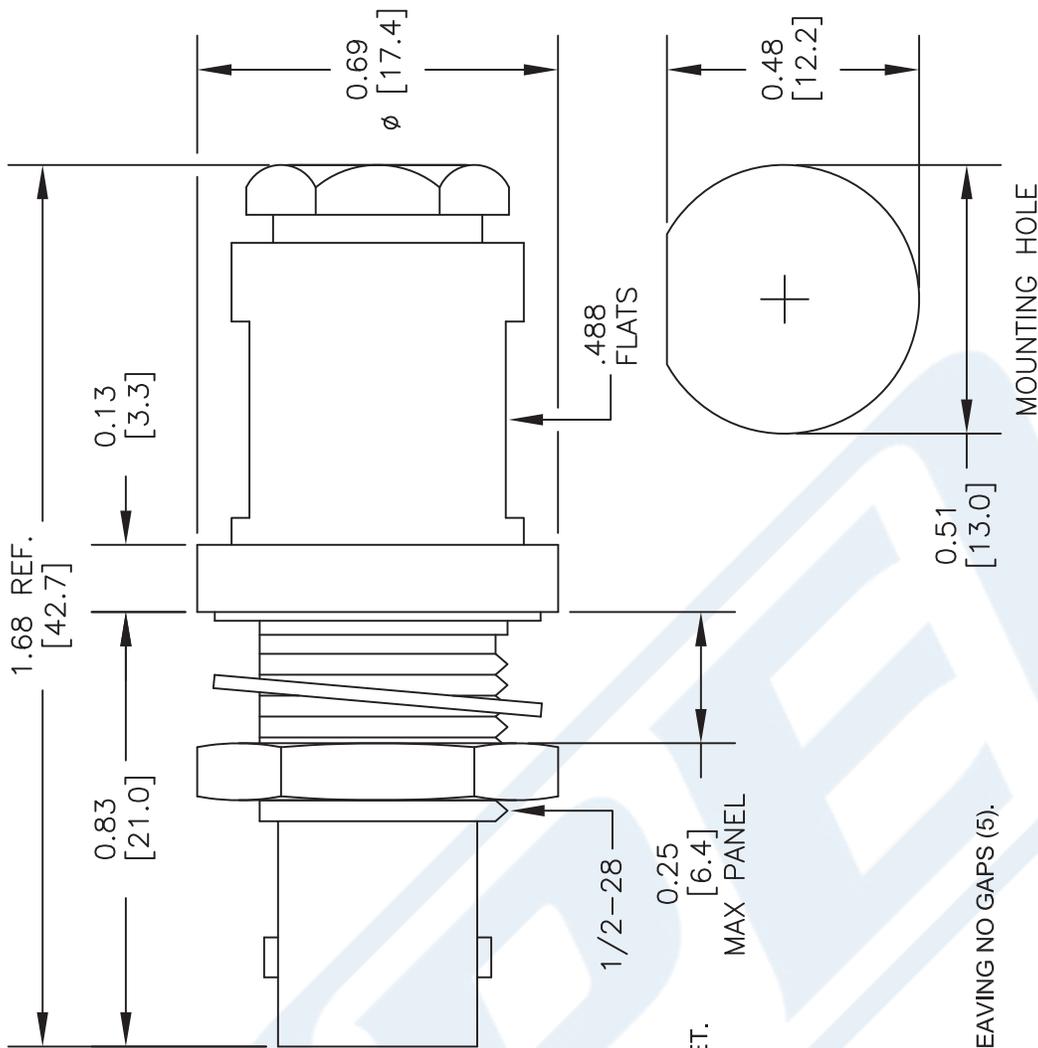
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PE44080 CAD Drawing

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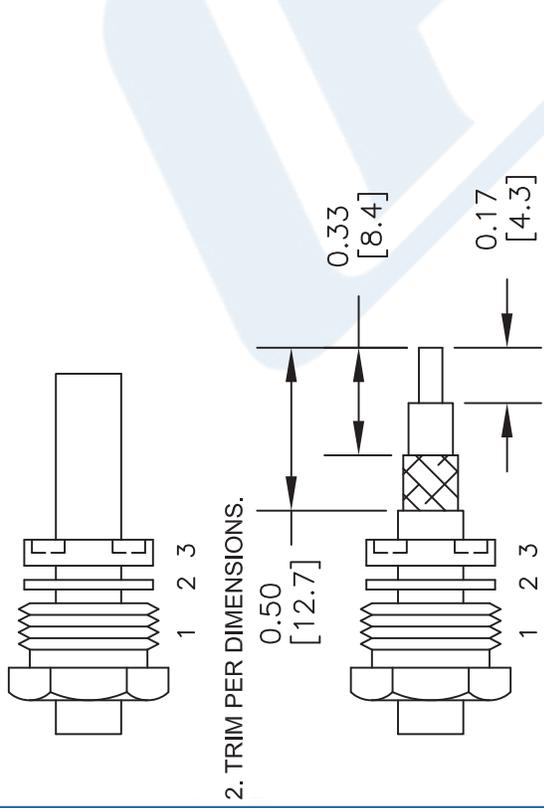


STANDARD TOLERANCES	
.X	±0.2
.XX	±0.1
.XXX	±0.05

*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES

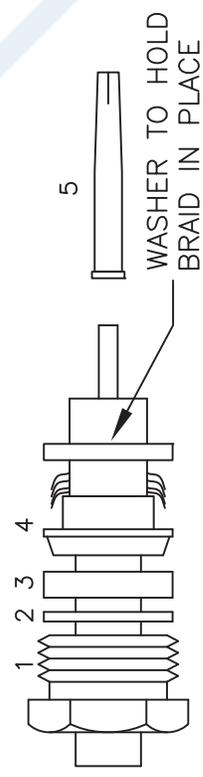
ASSEMBLY PROCEDURES

1. SLIDE CLAMP NUT (1), WASHER* (2) & GASKET (3) OVER CABLE AS SHOWN.

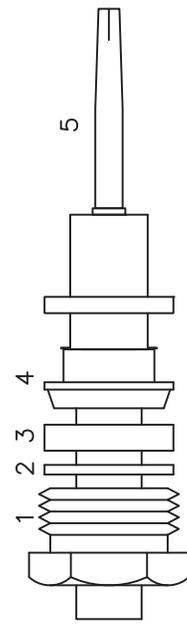


2. TRIM PER DIMENSIONS.

3. A) SLIDE BRAID CLAMP OVER BRAID UNTIL IT STOPS ON CABLE JACKET.
B) FLAIR BRAID AS SHOWN.



4. INSTALL CONTACT BY SOLDERING TO CABLE CENTER CONDUCTOR LEAVING NO GAPS (5).



5. REMOVE EXCESS SOLDER. INSERT ASSEMBLY INTO CONNECTOR BODY AND TIGHTEN NUT.

NOTES:

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DWG TITLE	CAGE CODE	CAD FILE	SCALE	SIZE
PE44080	53919	060817	N/A	A

PE PASTERNAK®
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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 96% coverage	0.126 in [3.2 mm]
Second Shield	Aluminum Tape	0.132 in [3.35 mm]
Third Shield	Silver Plated Copper Braid 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.

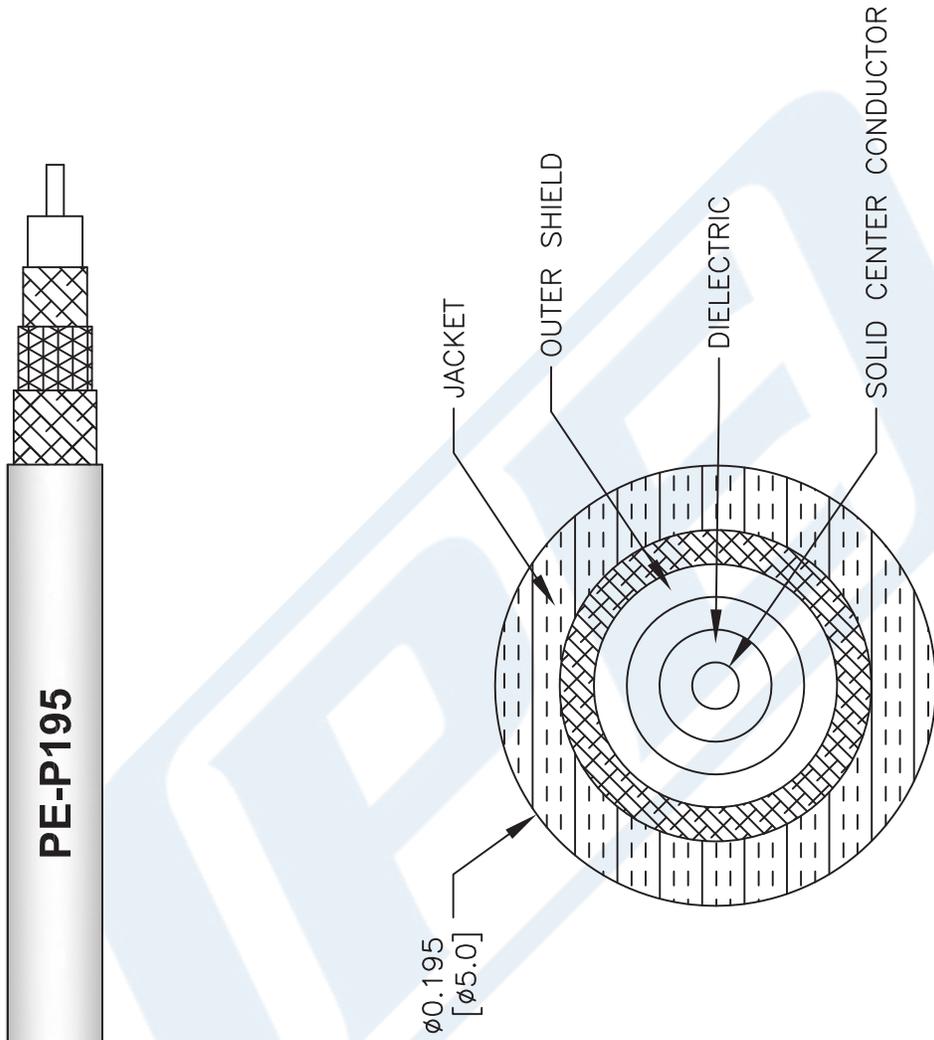
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Low Loss Flexible PE-P195 Coax Cable Triple Shielded with Tan FEP Jacket PE-P195](#)

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



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DWG TITLE	
PE-P195	
FSCM NO. 53919	CAD FILE 111716
SCALE N/A	SIZE A
	41742

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