



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
Width/Dia.
Weight

2.575 in [65.41 mm]
1.5 in [38.10 mm]
0.536 lbs [243.13 g]

Material Specifications

Description	Material	Plating
Contact		Silver QQ-S-365
Insulation	PTFE	
Body	Brass	Nickel QQ-N-290
Coupling Nut	Brass	Nickel 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](#)



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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.

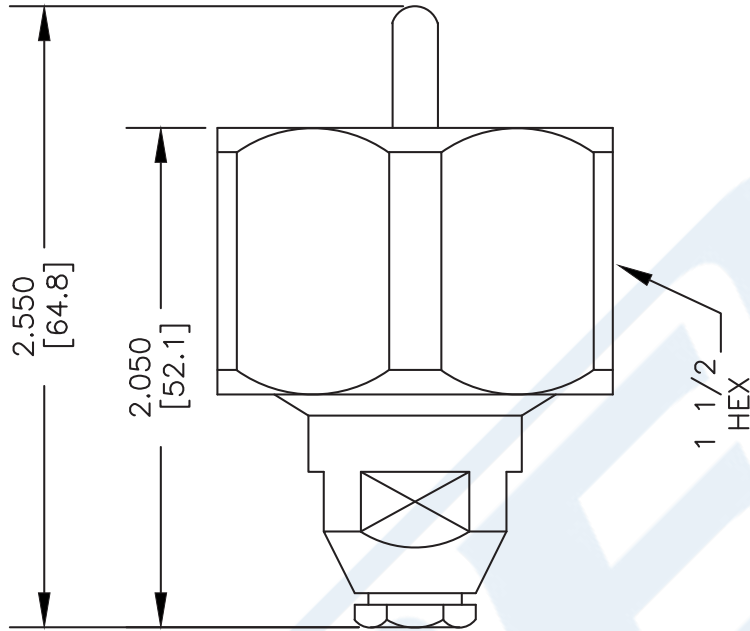
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URL: <https://www.pasternack.com/lc-male-standard-rg58-rg55-rg142-rg223-rg400-connector-pe4565-p.aspx>

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.

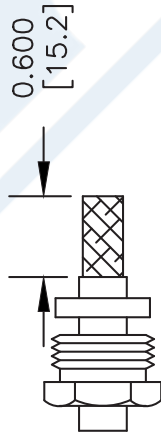
PE4565 CAD Drawing

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

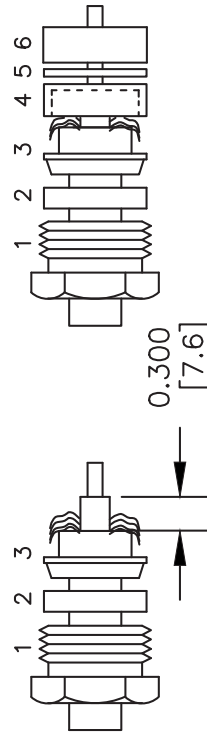


ASSEMBLY PROCEDURES

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.



DWG TITLE

PE4565

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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 121803

SCALE N/A

SIZE A

XXX

PE PASTERNAK®

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



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

Plotted and Other Data

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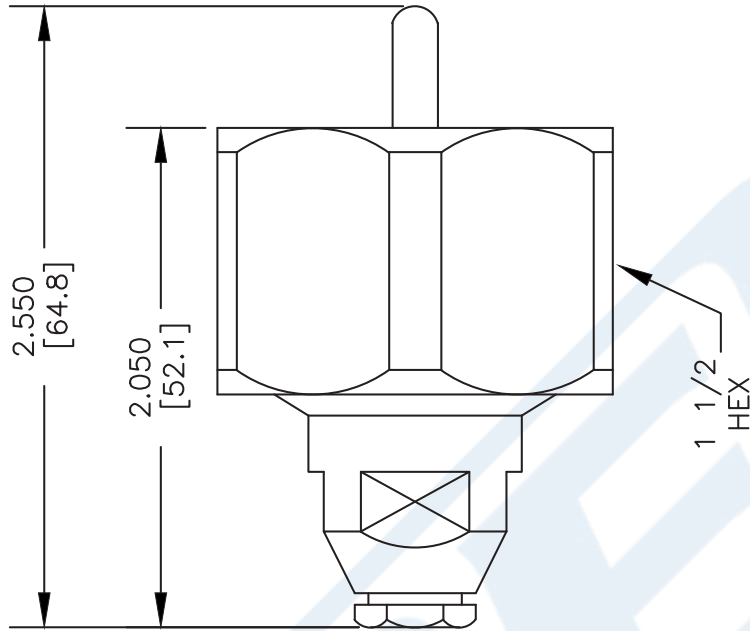
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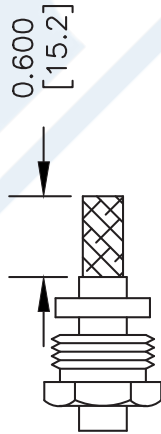
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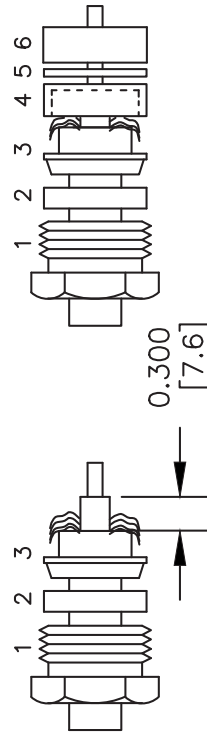


ASSEMBLY PROCEDURES

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.



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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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THE ENGINEER'S RF SOURCE

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