



7/16 DIN Male Connector Clamp/Solder Attachment
for RG58, RG55, RG141, RG142, RG223, RG400

TECHNICAL DATA SHEET

PE45037

Configuration

Connector	7/16 DIN Male
Connector Interface Type	RG58, RG55, RG141, RG142, RG223, RG400
Attachment Method (Shield/Contact)	Clamp/Solder
Body Style	Straight

Electrical Specifications

Impedance	50 Ohms
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Mechanical Specifications

Size

Length	1.87 in [47.5 mm]
Width/Dia.	1.25 in [31.75 mm]
Weight	0.229 lbs [103.87 g]

Connector

Type	7/16 DIN Male
Contact Material and Plating	Brass, Silver
Coupling Nut Material and Plating	Brass, Nickel
Hex Size	1 1/4 Inch
Body Material and Plating	Brass, Nickel
Dielectric Type	PTFE

Compliance Certifications (visit www.Pasternack.com for current document)

RoHS Compliant

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [7/16 DIN Male Connector Clamp/Solder Attachment for RG58, RG55, RG141, RG142, RG223, RG400 PE45037](#)



7/16 DIN Male Connector Clamp/Solder Attachment for RG58, RG55, RG141, RG142, RG223, RG400

TECHNICAL DATA SHEET

PE45037

Plotted and Other Data

Notes:

- Values at +25 °C, sea level

7/16 DIN Male Connector Clamp/Solder Attachment for RG58, RG55, RG141, RG142, RG223, RG400 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.

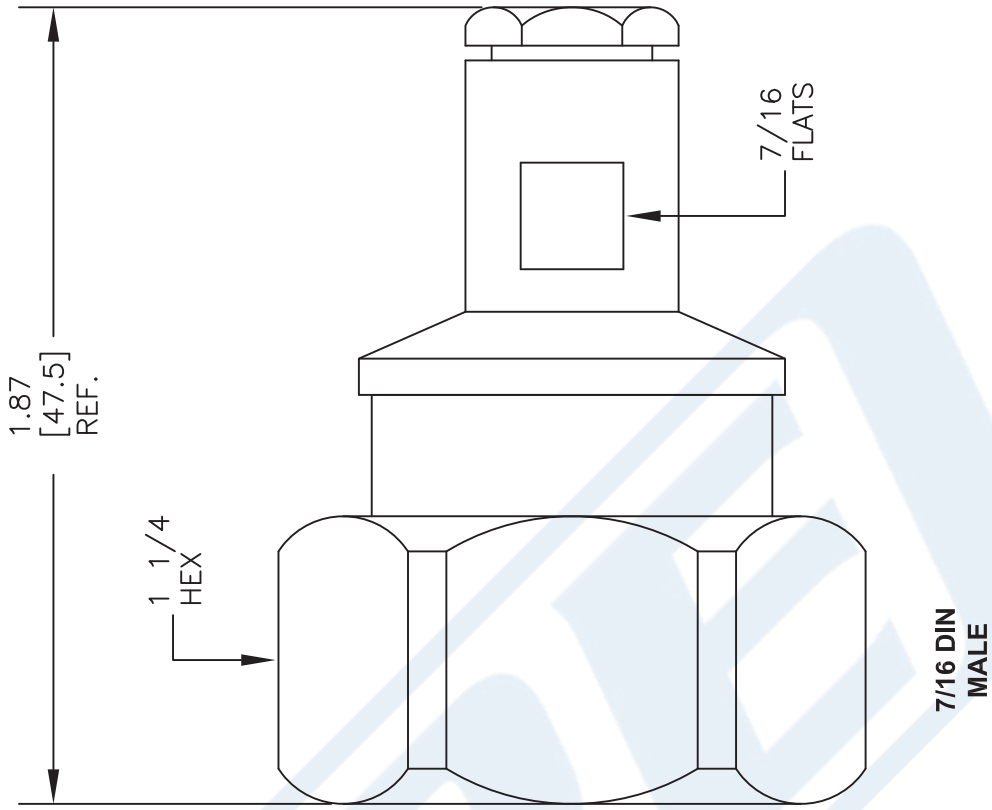
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URL: <http://www.pasternack.com/7-16-male-standard-standard-rg58-rg55-rg141-rg142-rg223-rg400-connector-pe45037-p.aspx>

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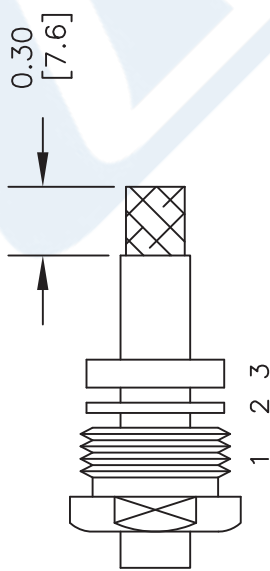
PE45037 CAD Drawing

7/16 DIN Male Connector Clamp/Solder Attachment for
RG58, RG55, RG141, RG142, RG223, RG400

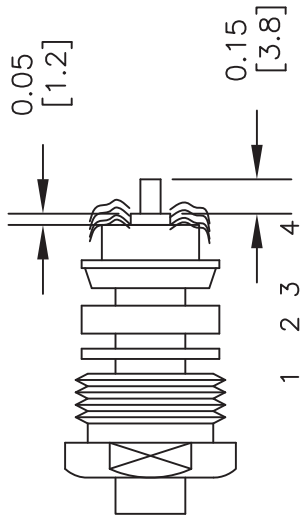


ASSEMBLY PROCEDURES

1. SLIDE CLAMP NUT (1), WASHER (2) & GASKET (3) OVER CABLE. STRIP CABLE AS SHOWN. DO NOT NICK BRAID WHILE CUTTING JACKET. TAPER END OF BRAID TO PERMIT ASSEMBLY OF BRAID CLAMP (4). SLIDE BRAID CLAMP (4) OVER BRAID & SEAT AGAINST JACKET.



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



DWG TITLE

PE45037

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

SCALE N/A

SIZE A

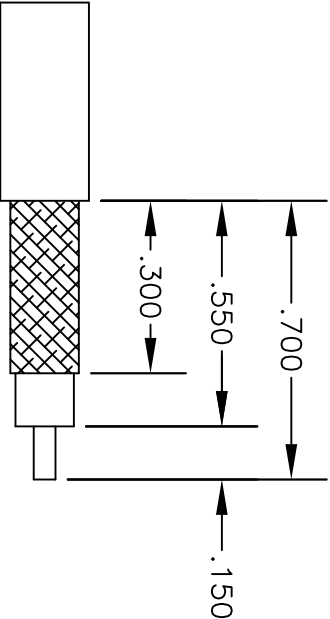
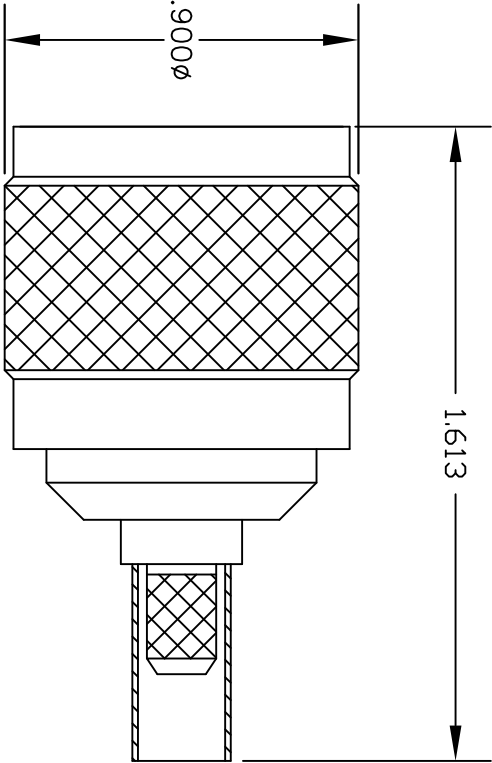
CAD FILE 062615

2233

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THE ENGINEER'S RF SOURCE

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P.O. Box 16759 | Irvine | CA | 92623
Phone: (949) 261-1920 | Fax: (949) 261-7451
Website: www.pasternack.com | E-Mail: sales@pasternack.com

MATERIALS	
BODY	BRASS NICKEL PLATED
CONTACT	GOLD PLATED
INSULATOR	PTFE



STRIPPING DIMENSIONS

CRIMP SIZES REQUIRED
 CONTACT: .100" HEX CRIMP TOOL
 FERRULE: .213" HEX CRIMP TOOL



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 COAXIAL & FIBER OPTICS

DWG TITLE
PE4478

DES. HN MALE, CRIMP ATTACHMENT FOR RG58

SIZE A	FSCM NO. 53919	CAD FILE	051602	SCALE	N/A	127
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Low Loss Flexible RG142 Type Coax Cable
Triple Shielded with Tan FEP Jacket

TECHNICAL DATA SHEET

PE-P195

Low Loss Flexible RG142 Type Coax Cable Triple Shielded with Tan FEP Jacket

Configuration

Cable Design	Low Loss
Inner Conductor Material and Plating	Copper Clad Steel, Silver
Dielectric Type	PTFE
Shield Materials	Silver Plated Copper, Aluminum Tape
Jacket Material and Color	FEP, Tan

Electrical Specifications

Impedance, Ohms	50
Capacitance, pF/ft [pF/m]	29 [95.14]
Jacket Spark, Vrms	2,000

Electrical Specifications by Frequency

Frequency 1

Frequency, MHz	500
Attenuation, dB/100ft [dB/100m]	9 [29.53]

Frequency 2

Frequency, MHz	1000
Attenuation, dB/100ft [dB/100m]	12.5 [41.01]

Frequency 3

Frequency, GHz	3
Attenuation, dB/100ft [dB/100m]	23.3 [76.44]

Frequency 4

Frequency, GHz	5
Attenuation, dB/100ft [dB/100m]	31 [101.71]

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]	0.11 [2.79]

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 RG142 Type Coax Cable Triple Shielded with Tan FEP Jacket PE-P195](#)

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Low Loss Flexible RG142 Type Coax Cable
Triple Shielded with Tan FEP Jacket

TECHNICAL DATA SHEET

PE-P195

Shield:

Number of	3
Material 1	Silver Plated Copper
Material 2	Aluminum Tape
Material 3	Silver Plated Copper Braid
Diameter, in [mm]	0.155 [3.94]

Jacket:

Material	FEP
Diameter, in [mm]	0.195 [4.95]
Color	Tan
Weight, lbs/ft [Kg/m]	0.002 [0]

Compliance Certifications (visit www.Pasternack.com for current document)

RoHS Compliant	Yes
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Plotted and Other Data

Notes:	Values at 25 °C, sea level
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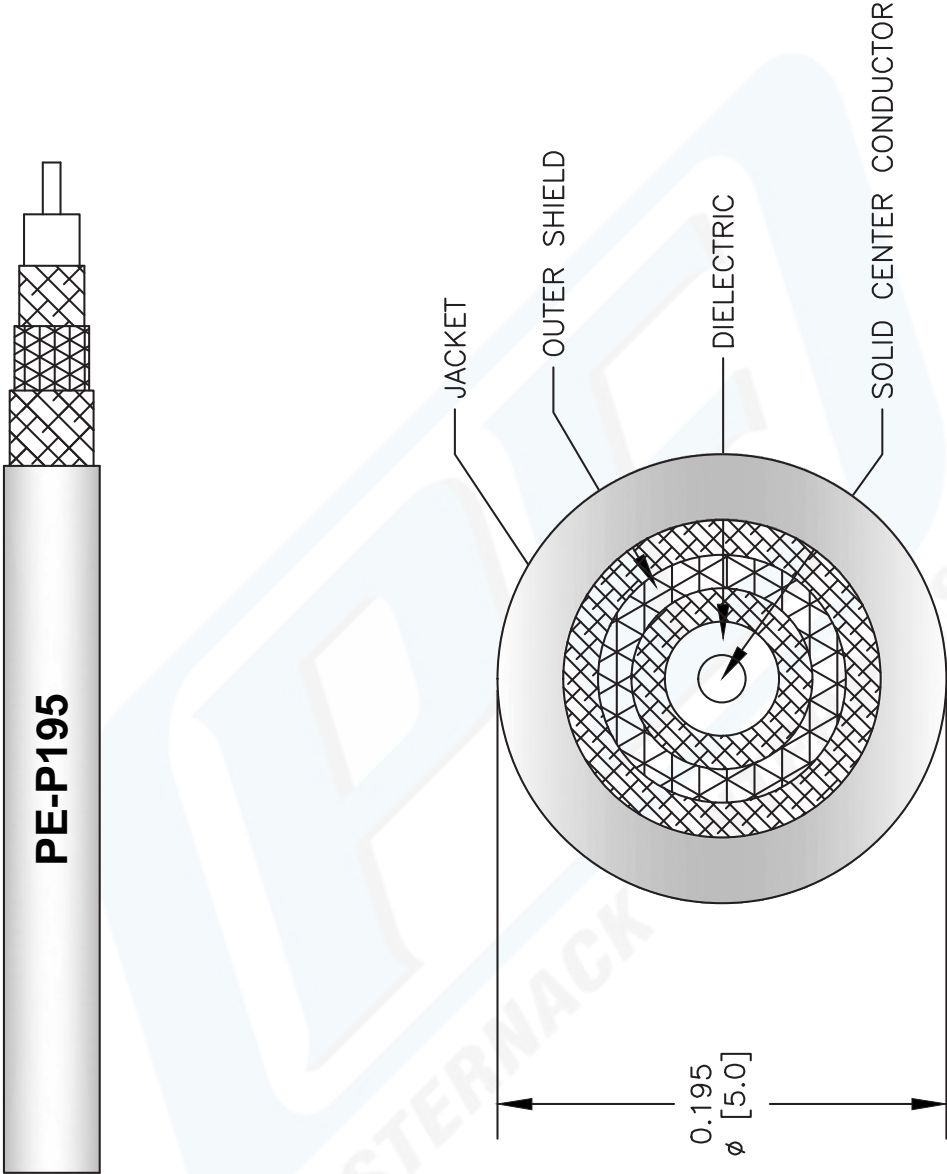
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PE-P195 CAD Drawing

Low Loss Flexible RG142 Type Coax Cable Triple Shielded with Tan FEP Jacket



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DWG TITLE

PE-P195

REV. D

FSCM NO. 53919

CAD FILE 081512-D

SCALE N/A

SIZE A

2233

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