SHV Plug Connector Clamp/Solder Attachment for RG174, RG316, RG188, LMR-100, PE-B100, PE-C100, 0.100 inch

RF Connectors Technical Data Sheet   PE4498

Configuration
- SHV Plug Connector
- MIL-STD-348A
- 50 Ohms
- Straight Body Geometry
- RG174, RG316, RG188, LMR-100, PE-B100, PE-C100, 0.100 inch Interface Type
- Clamp/Solder Attachment

Features
- Max. Operating Frequency 300 MHz
- Good VSWR of 1.5:1
- Gold Plated Brass Contact
- 30 µin minimum contact plating

Applications
- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE4498 SHV plug connector with clamp/solder attachment for RG174, RG316, RG188, LMR-100, PE-B100, PE-C100 and 0.100 inch is part of our full line of RF components available for same-day shipping. Our SHV plug connector operates up to a maximum frequency of 300 MHz and offers good VSWR of 1.5:1.

Our SHV plug connector PE4498 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			1.5:1	
Operating Voltage (AC)			1,100	Vrms

Mechanical Specifications

Size
Length	1.83 in [46.48 mm]
Width/Dia.	0.571 in [14.50 mm]
Weight	0.06 lbs [27.22 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: SHV Plug Connector Clamp/Solder Attachment for RG174, RG316, RG188, LMR-100, PE-B100, PE-C100, 0.100 inch PE4498

PE4498 REV 1.1   1

SHV Plug Connector Clamp/Solder Attachment for RG174, RG316, RG188, LMR-100, PE-B100, PE-C100, 0.100 inch

RF Connectors Technical Data Sheet   PE4498

Material Specifications

Description	Material	Plating
Contact	Brass	Gold 30 µin minimum
Insulation	PTFE	
Body	Brass	Nickel 100 µin minimum
Coupling Nut	Brass	Nickel 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:

SHV Plug Connector Clamp/Solder Attachment for RG174, RG316, RG188, LMR-100, PE-B100, PE-C100, 0.100 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.
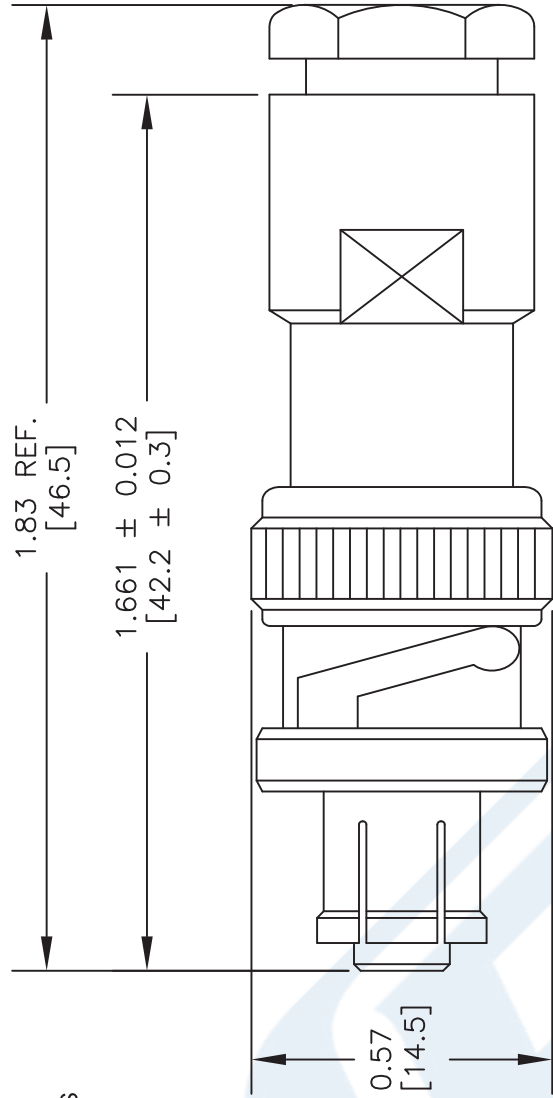
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: SHV Plug Connector Clamp/Solder Attachment for RG174, RG316, RG188, LMR-100, PE-B100, PE-C100, 0.100 inch PE4498

URL: https://www.pasternack.com/shv-plug-standard-rg174-rg316-rg188-connector-pe4498-p.aspx

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PE4498 CAD Drawing

SHV Plug Connector Clamp/Solder Attachment for RG174, RG316, RG188, LMR-100, PE-B100, PE-C100, 0.100 inch

1.83 REF.
[46.5]

1.661 ± 0.012
[42.2 ± 0.3]
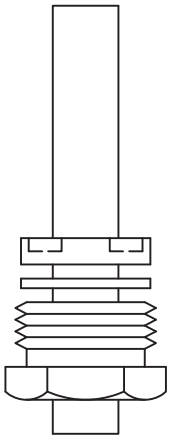
0.57
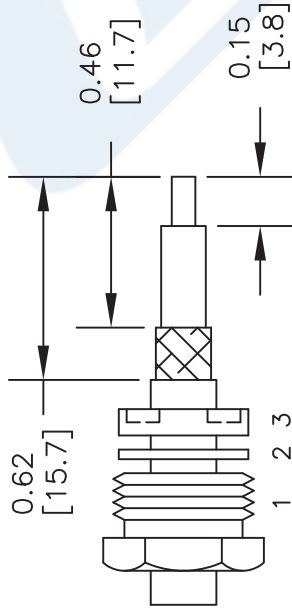[14.5]

Maximum Voltage
WORKING VOLTAGE   500 VRMS
PROOF VOLTAGE   1500 VRMS

ASSEMBLY PROCEDURES

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

2. TRIM PER DIMENSIONS.

0.62
[15.7]

0.46
[11.7]

0.15
[3.8]

3. a) SLIDE BRAID CLAMP OVER BRAID UNTIL IT STOPS ON CABLE JACKET.
   b) FLAIR BRAID AS SHOWN.
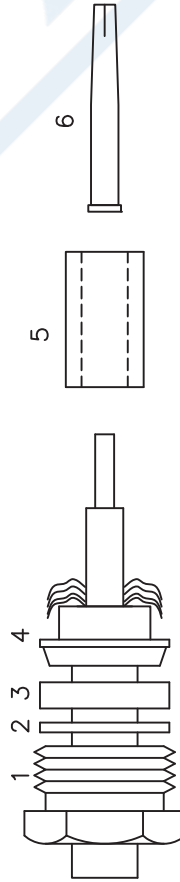
4. a) INSERT PTFE SLEEVE FLUSH AGAINST FLAIRED BRAID (5) BEFORE CONTACT (6). SLIDING OVER CENTER CONDUCTOR & CABLE DIELECTRIC. b) INSTALL CONTACT BY SOLDERING TO CABLE CENTER CONDUCTOR LEAVING NO GAPS.
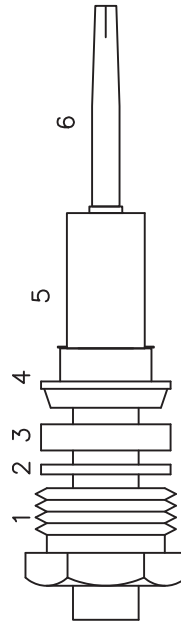
5. REMOVE EXCESS SOLDER. INSERT ASSEMBLY INTO CONNECTOR BODY AND TIGHTEN NUT.

DWG TITLE			
PE4498			
REV. B	FSCM NO. 53919	CAD FILE 040412	SCALE N/A	SIZE A	2233

PASTERNACK®
THE ENGINEER'S RF SOURCE

Double Banana Plug Connector Crimp/
Solder Attachment for RG174, RG316, RG188,
0.100 inch, PE-B100, PE-C100, LMR-100

RF Connectors Technical Data Sheet   PE44145

Configuration

- Double Banana Plug Connector
- Straight Body Geometry
- RG174, RG316, RG188, 0.100 inch, PE-B100, PE-

    C100, LMR-100 Interface Type
- Crimp/Solder Attachment

Features

- Nickel Plated Brass Contact

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE44145 Double Banana plug connector with crimp/solder attachment for RG174, RG316, RG188, 0.100 inch, PE-B100, PE-C100 and LMR-100 is part of our full line of RF components available for same-day shipping.

Our Double Banana plug connector PE44145 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	2.54 in [64.52 mm]
Width/Dia.	1.175 in [29.85 mm]
Height	0.65 in [16.51 mm]
Weight	0.041 lbs [18.6 g]

Material Specifications

Description	Material	Plating
Contact	Brass	Nickel
Insulation	ABS	
Body	Brass	Nickel

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: Double Banana Plug Connector Crimp/Solder Attachment for RG174, RG316, RG188, 0.100 inch, PE-B100, PE-C100, LMR-100 PE44145

RF Connectors Technical Data Sheet   PE44145

Compliance Certifications (see product page for current document)

Plotted and Other Data
    Notes:

Double Banana Plug Connector Crimp/Solder Attachment for RG174, RG316, RG188, 0.100 inch, PE-B100, PE-C100, LMR-100 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.
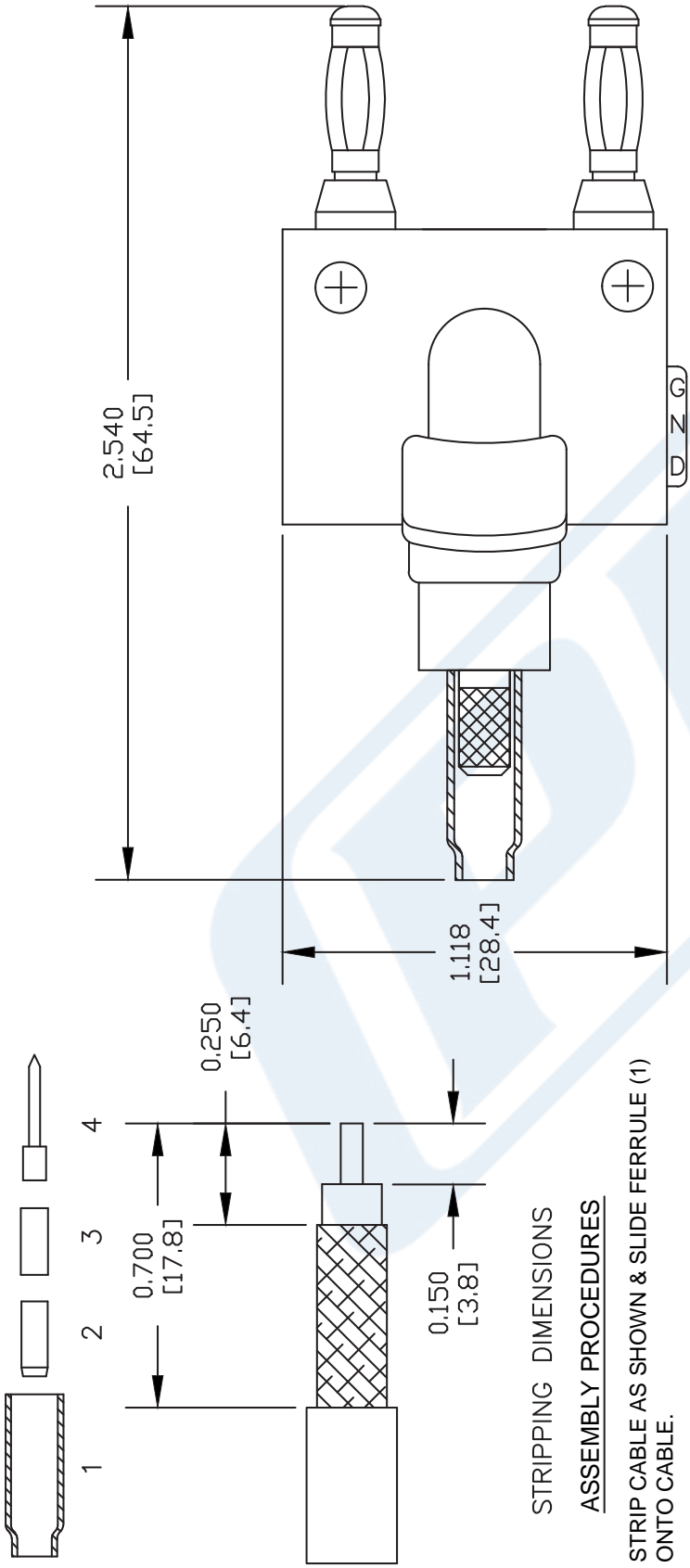
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: Double Banana Plug Connector Crimp/Solder Attachment for RG174, RG316, RG188, 0.100 inch, PE-B100, PE-C100, LMR-100 PE44145

URL: https://www.pasternack.com/banana-plug-standard-rg174-rg316-rg188-connector-pe44145-p.aspx

PE44145 CAD Drawing

Double Banana Plug Connector Crimp/Solder Attachment for RG174, RG316, RG188, 0.100 inch, PE-B100, PE-C100, LMR-100

2.540
[64.5]

1.118
[28,4]

G
N
D

CRIMP SIZE REQUIRED

CONTACT: .068" HEX CRIMP TOOL
FERRULE: .178" HEX CRIMP TOOL

127

SIZE A

SCALE N/A

CAD FILE 010406

FSCM NO. 53919

DWG TITLE

PE44145

0.250
[6,4]

0.700
[17,8]

0.150
[3,8]

4

3

2

1

STRIPPING DIMENSIONS

ASSEMBLY PROCEDURES

1. STRIP CABLE AS SHOWN & SLIDE FERRULE (1) ONTO CABLE.

2. FLARE END OF CABLE BRAID & SLIDE METAL SPACER (2) & PTFE (3) SPACER OVER CABLE DIELECTRIC.

3. THE CONTACT (4) SHOULD BUTT AGAINST THE DIELECTRIC & PTFE SPACER. CRIMP CONTACT TO CABLE CENTER CONDUCTOR.

4. INSTALL CABLE ASSEMBLY INTO BODY SO THAT THE INNER FERRULE PORTION OF BODY SLIDES UNDER BRAID. PUSH CABLE ASSEMBLY FORWARD UNTIL CONTACT SITS IN PLACE. SLIDE FERRULE OVER BRAID AND UP AGAINST CONNECTOR BODY & CRIMP.

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PE44145 REV 1.1

3

Flexible RG188 Coax Cable Single Shielded with White PTFE Jacket

TECHNICAL DATA SHEET	RG188A/U

Flexible RG188 Coax Cable Single Shielded with White PTFE Jacket

Configuration
Inner Conductor Material and Plating	Copper Clad Steel, Silver
Dielectric Type	PTFE
Shield Materials	Silver Plated Copper Braid
Jacket Material and Color	PTFE, White

Electrical Specifications
Impedance, Ohms	50
Dielectric Withstanding Voltage, Vrms	2,000

Electrical Specifications by Frequency
Frequency 1
Frequency, MHz	400
Attenuation, dB/100ft [dB/100m]	20 [65.62]

Mechanical Specifications
Temperature

Inner Conductor
Number of Strands	7
Material	Copper Clad Steel
Plating	Silver
Diameter, in [mm]	0.02 [0.51]

Dielectric:
Type	PTFE
Diameter, in [mm]	0.06 [1.52]

Shield:
Number of	1
Material 1	Silver Plated Copper Braid
Diameter, in [mm]	0.081 [2.06]

Jacket:
Material	PTFE
Diameter, in [mm]	0.11 [2.79]
Color	White
Weight, lbs/ft [Kg/m]	0.011 [0.02]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: Flexible RG188 Coax Cable Single Shielded with White PTFE Jacket RG188A/U

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.

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TECHNICAL DATA SHEET   **RG188A/U**

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

Plotted and Other Data
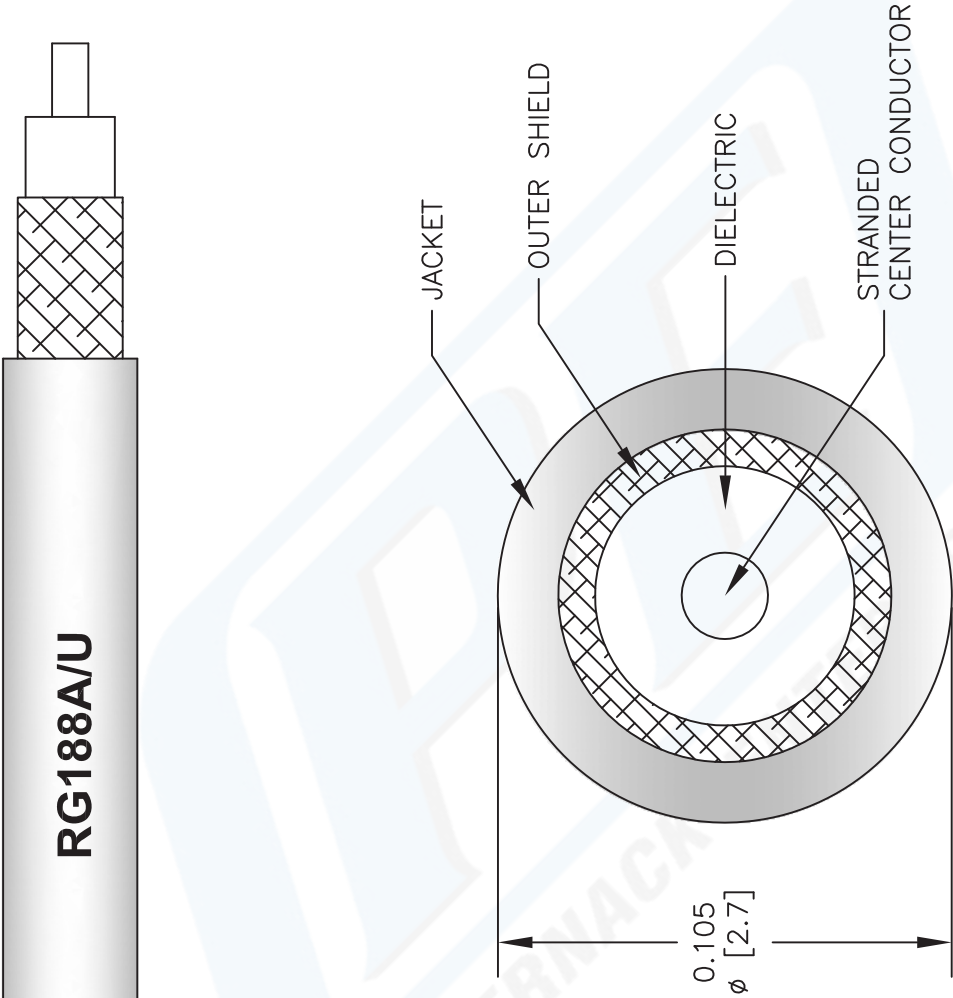Notes: Values at 25 °C, sea level

URL: http://www.pasternack.com/flexible-0.110-rg188-50-ohm-coax-cable-ptfe-jacket-rg188a-u-p.aspx

Flexible RG188 Coax Cable Single Shielded with White PTFE Jacket from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and fiber optic products maintain a 99% availability and are part of the broadest selection in the industry.

RG188A/U CAD Drawing
Flexible RG188 Coax Cable Single Shielded with White PTFE Jacket

RG188A/U

JACKET

OUTER SHIELD

DIELECTRIC

STRANDED
CENTER CONDUCTOR

0.105
ø [2.7]

2233

SIZE A

SCALE N/A

CAD FILE 081512-C

DWG TITLE

RG188A/U

FSCM NO. 53919

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RG188A/U REV

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