PASTERNACK®
THE ENGINEER'S RF SOURCE

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

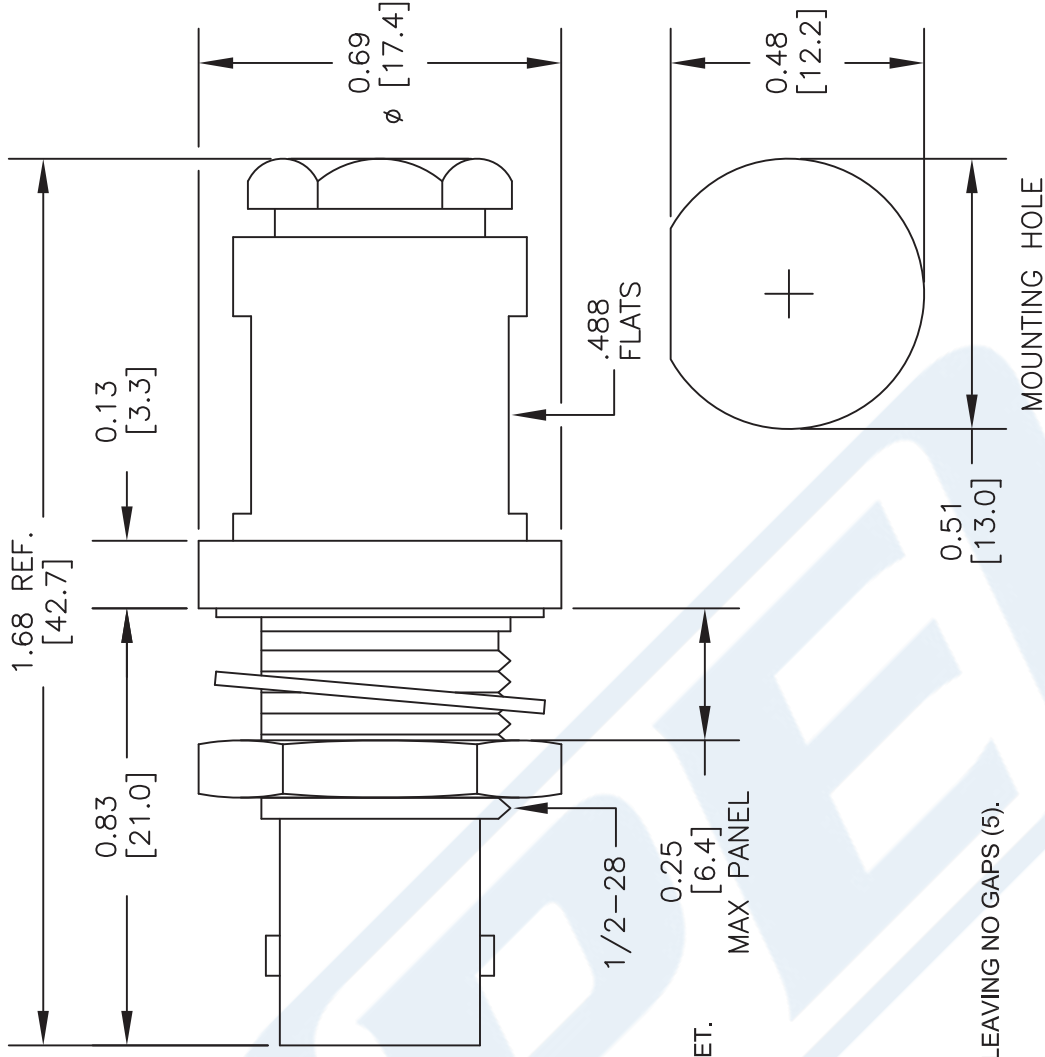|	
Length	1.83 in [46.48 mm]
Width/Dia.	0.687 in [17.45 mm]
Weight	0.069 lbs [31.3 g]

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

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

RF Connectors Technical Data Sheet   PE44080

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.

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

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

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PE44080 CAD Drawing

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

0.69 [17.4] ∅

0.48 [12.2]

.488 FLATS

MOUNTING HOLE

0.13 [3.3]

1.68 REF. [42.7]

0.83 [21.0]

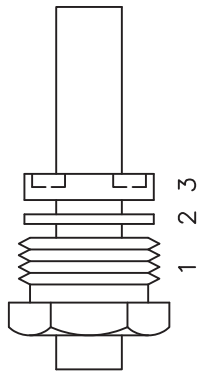0.51 [13.0]

1/2-28

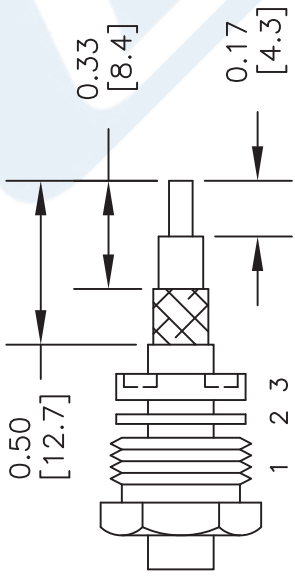0.25 [6.4] MAX PANEL

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

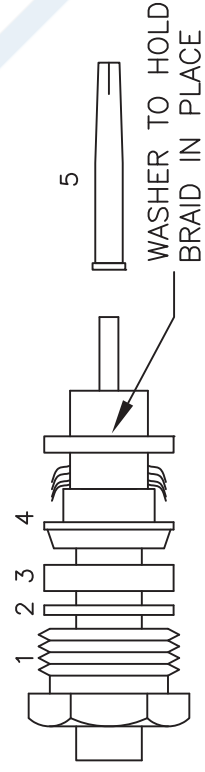*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES

ASSEMBLY PROCEDURES

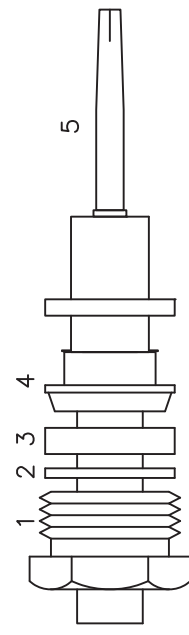1. SLIDE CLAMP NUT (1), WASHER* (2) & GASKET (3) OVER CABLE AS SHOWN.

2. TRIM PER DIMENSIONS.

0.50 [12.7]

0.33 [8.4]

0.17 [4.3]

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

WASHER TO HOLD BRAID IN PLACE

4. INSTALL CONTACT BY SOLDERING TO CABLE CENTER CONDUCTOR LEAVING NO GAPS (5). INSERT ASSEMBLY INTO CONNECTOR BODY AND TIGHTEN NUT.

5. REMOVE EXCESS SOLDER.

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MATERIALS

BODY	BRASS NICKEL PLATED
CONTACT	GOLD PLATED
INSULATOR	ABS
2 CONDUCTORS	BRASS NICKEL PLATED

.750

2.500

.166∅
2 HOLES

G
N
D

1.175

CRIMP SIZES REQUIRED

CONTACT: .068" HEX CRIMP TOOL
FERRULE: .213" HEX CRIMP TOOL

.100

.500

.400

.300

STRIPPING DIMENSIONS

DES. DOUBLE BANANA PLUG CRIMP ATTACHMENT FOR RG55, RG142, RG223 & RG400
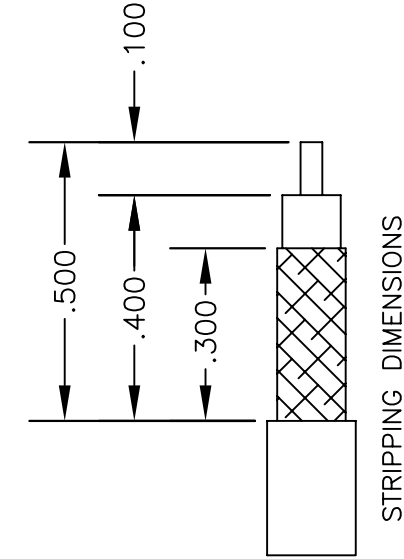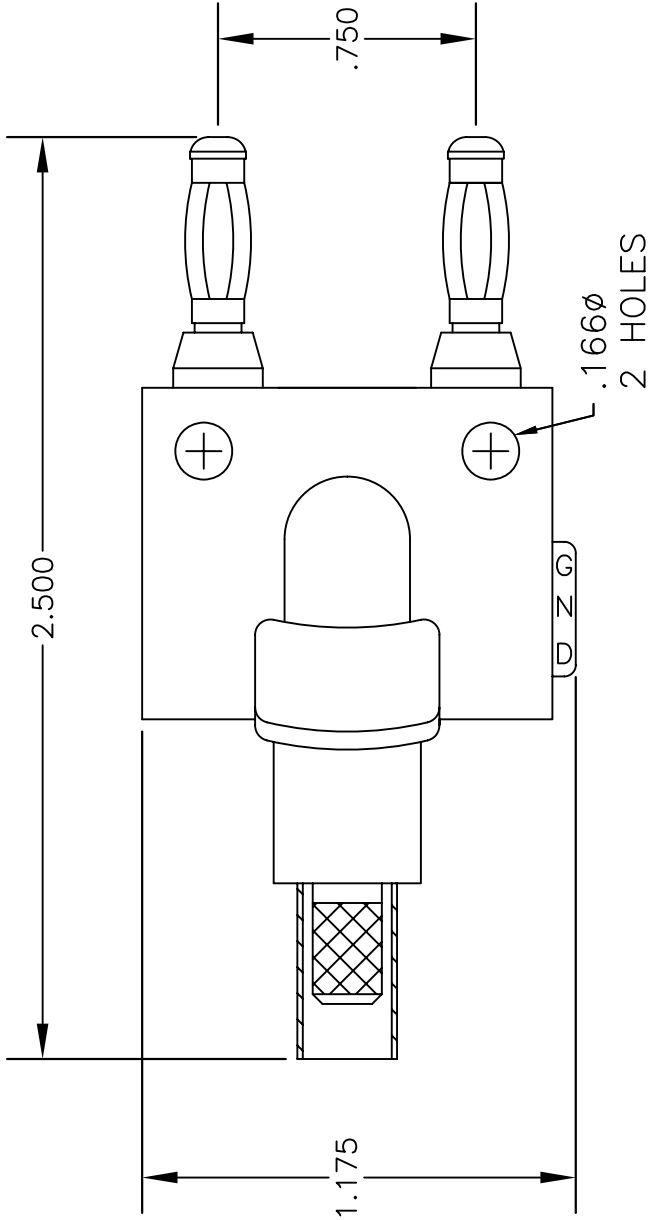
DWG TITLE
PE4089

SIZE A | FSCM NO. 53919

CAD FILE 010305

SCALE N/A

127

NOTES:
1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.
2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.

53 Ohm Flexible RG55 Coax Cable Double Shielded with Black PE Jacket

TECHNICAL DATA SHEET	RG55B/U

53 Ohm Flexible RG55 Coax Cable Double Shielded with Black PE Jacket

Configuration

Inner Conductor Material and Plating	Copper, Silver
Dielectric Type	PE
Shield Materials	Tinned Copper Braid, Tinned Copper Braid
Jacket Material and Color	PE, Black

Electrical Specifications

Impedance, Ohms	53
Velocity of Propagation, %	66
Maximum Operating Frequency, GHz	3
Capacitance, pF/ft [pF/m]	28.8 [94.49]

Electrical Specifications by Frequency
Frequency 1

Frequency, MHz	10
Attenuation, dB/100ft [dB/100m]	1.35 [4.43]

Frequency 2

Frequency, MHz	100
Attenuation, dB/100ft [dB/100m]	4.3 [14.11]

Frequency 3

Frequency, MHz	1000
Attenuation, dB/100ft [dB/100m]	16.5 [54.13]

Frequency 4

Frequency, GHz	3
Attenuation, dB/100ft [dB/100m]	32 [104.99]

Mechanical Specifications

Inner Conductor

Number of Strands	1
Material	Copper
Plating	Silver
Diameter, in [mm]	0.032 [0.81]

Dielectric:

Type	PE
Diameter, in [mm]	0.116 [2.95]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: 53 Ohm Flexible RG55 Coax Cable Double Shielded with Black PE Jacket RG55B/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.

53 Ohm Flexible RG55 Coax Cable Double Shielded with Black PE Jacket

TECHNICAL DATA SHEET	RG55B/U

Shield:

Number of	2
Material 1	Tinned Copper Braid
Material 2	Tinned Copper Braid

Jacket:

Material	PE
Diameter, in [mm]	0.202 [5.13]
Color	Black
Weight, lbs/ft [Kg/m]	0.035 [0.05]

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

Plotted and Other Data

Notes:	Values at 25 °C, sea level

53 Ohm Flexible RG55 Coax Cable Double Shielded with Black PE 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.
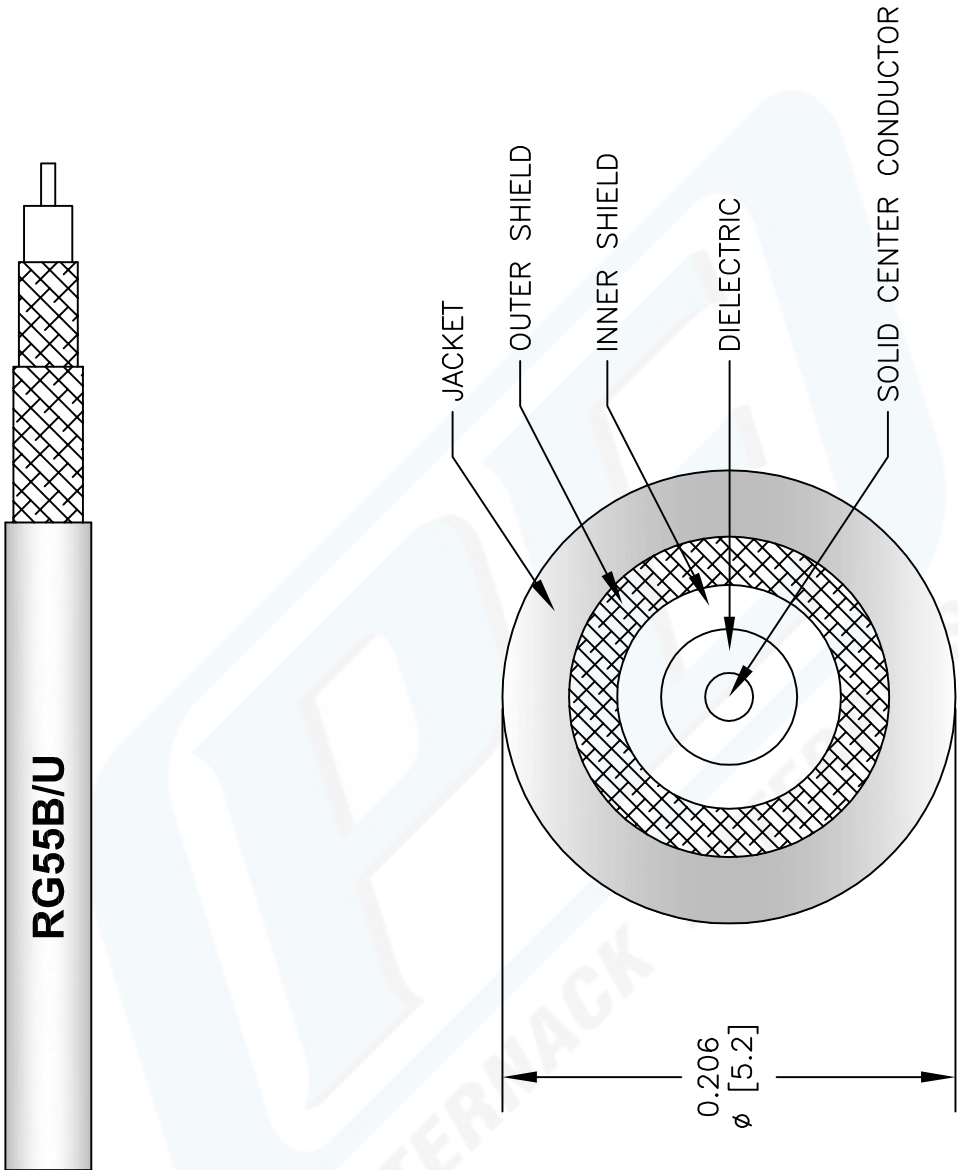
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: 53 Ohm Flexible RG55 Coax Cable Double Shielded with Black PE Jacket RG55B/U

URL: http://www.pasternack.com/flexible-0.206-rg55-53.5-ohm-coax-cable-pe-jacket-rg55b-u-p.aspx

RG55B/U CAD Drawing
53 Ohm Flexible RG55 Coax Cable Double Shielded with Black PE Jacket

RG55B/U

JACKET

OUTER SHIELD

INNER SHIELD

DIELECTRIC

SOLID CENTER CONDUCTOR

0.206 ø [5.2]

147

SIZE A

SCALE N/A

CAD FILE 040113-A

DWG TITLE
RG55B/U

FSCM NO. 53919

REV. A

PE **PASTERNACK** ®

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RG55B/U REV

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