



N Female Bulkhead Mount Connector Crimp/Crimp Attachment for RG55, RG142, RG223, RG400, .640 inch DD Hole

RF Connectors Technical Data Sheet

PE4371

Configuration

- N Female Connector
- MIL-STD-348A
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: RG55, RG142, RG223, RG400
- Bulkhead

Features

- Max. Operating Frequency 6 GHz
- Good VSWR of 1.3:1
- Gold Plated Brass Contact
- 30 µin minimum contact plating

Applications

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

Description

Pasternack's PE4371 type N female bulkhead connector with crimp/crimp attachment for RG55, RG142, RG223 and RG400 (.640 inch DD hole) is part of our full line of RF components available for same-day shipping. Our type N female connector operates up to a maximum frequency of 6 GHz and offers good VSWR of 1.3:1. This type N 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 type N female bulkhead connector PE4371 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		6	GHz
VSWR			1.3:1	
Operating Voltage (AC)			1,000	Vrms

Mechanical Specifications

Size

Length	1.69 in [42.93 mm]
Width/Dia.	0.827 in [21.01 mm]
Weight	0.087 lbs [39.46 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Female Bulkhead Mount Connector Crimp/Crimp Attachment for RG55, RG142, RG223, RG400, .640 inch DD Hole PE4371](#)



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Material Specifications

Description	Material	Plating
Contact	Brass	Gold 30 µin minimum
Insulation	PTFE	
Outer Conductor	Brass	Nickel 100 µin minimum
Body	Brass	Nickel 100 µin minimum
Washer	Brass	Nickel

Environmental Specifications

Temperature

Operating Range -65 to +165 deg C

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

Plotted and Other Data

Notes:

N Female Bulkhead Mount Connector Crimp/Crimp Attachment for RG55, RG142, RG223, RG400, .640 inch DD 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.

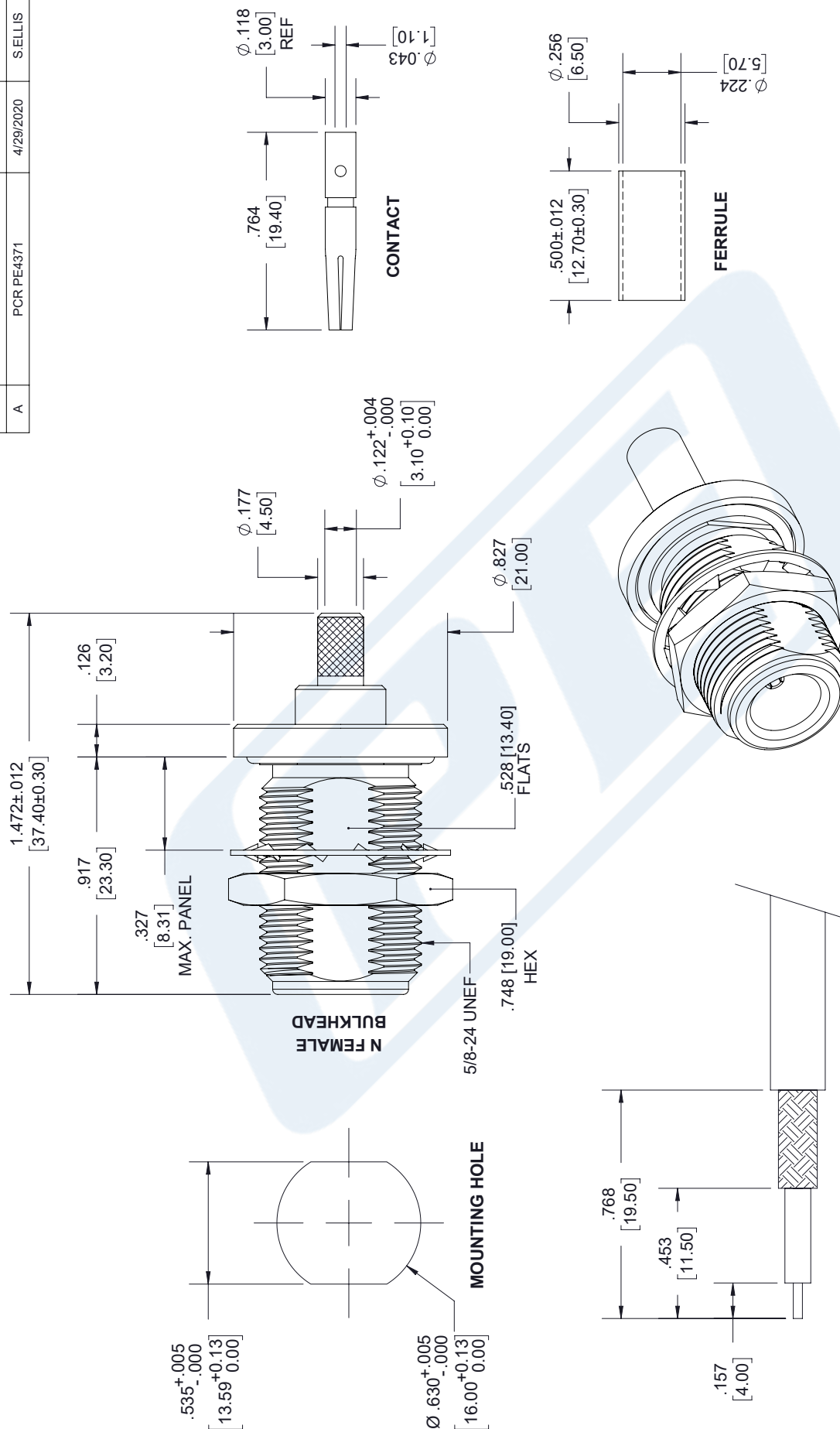
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Female Bulkhead Mount Connector Crimp/Crimp Attachment for RG55, RG142, RG223, RG400, .640 inch DD Hole PE4371](#)

URL: <https://www.pasternack.com/n-female-rg55-rg142-rg223-rg400-connector-pe4371-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.

N Female Bulkhead Mount Connector Crimp/Crimp Attachment
for RG55, RG142, RG223, RG400, .640 inch DD Hole

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	PCR PE4371	4/29/2020	S.ELLIS



STRIPPING DIMENSIONS

NOTES:

1. CABLE ATTACHMENT:
 - OUTER: CRIMP.
 - INNER: SOLDER/CRIMP.
2. CRIMP SIZE REQUIRED:
 - FERRULE: .221 [.561] HEX. CRIMP TOOL.
 - CONTACT: .102 [.259] HEX. CRIMP TOOL.

UNLESS OTHERWISE SPECIFIED
LEADING DIMENSIONS ARE INCHES
DIMENSIONS IN [] ARE MILLIMETERS

TOLERANCES:

$X = \pm 2$	[5.08]	FRACTIONS
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XX = ±0.2 [.51]	± 1/32
XX = + 005 [13]	ANGLES + 1°

CABLE LENGTH (L) TOLERANCES:

CABLE LENGTH (L) TOLERANCES:
 $L \leq 12$ [305] = +1 [25] / -0

$$L \leq 12 [303] = +1 [25] / -0$$

$$12 [305] < L \leq 60 [1524] = +2 [51] / -0$$
$$0 [1524] < L \leq 120 [3048] = +4 [102] / -0$$
$$300 [7620] < L \leq 300 [7620] = +6 [152] / -0$$

ALL DIMENSIONS SHOWN
300 [7620] $\pm$ L $\pm$ 5% L / -0

ALL DIMENSIONS SHOWN
ARE FOR REFERENCE ONLY.

THIRD-ANGLE PROJECTION

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SHEET OF

151

SCALE
N/A

N/A

REV	
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71	A
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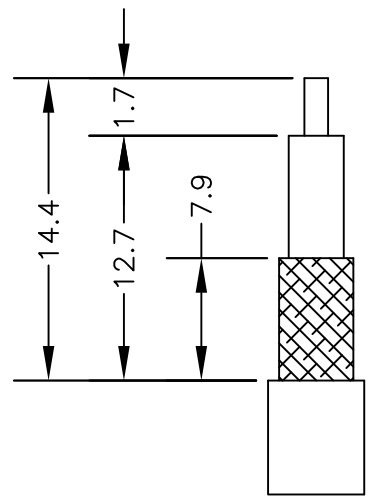
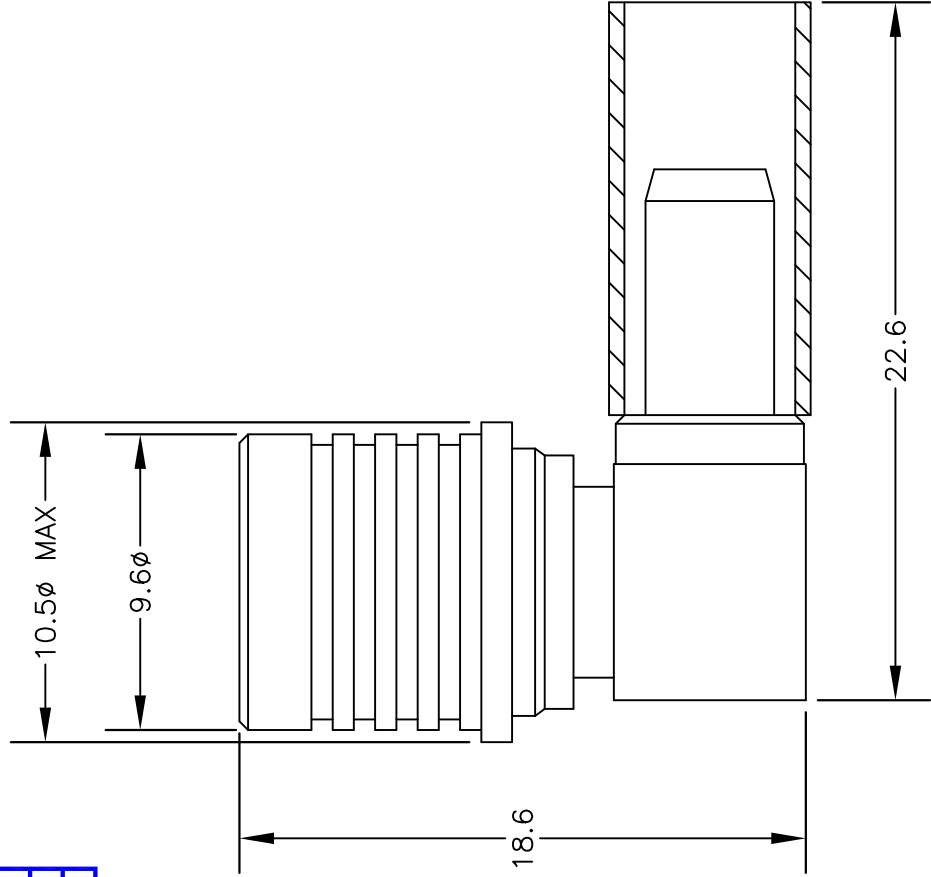
PE4371 REV 1.3

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MATERIALS

BODY	BRASS WHITE BRONZE
CONTACT	GOLD PLATED
INSULATOR	PTFE
COUPLING NUT	BRASS NICKEL PLATED



STRIPPING DIMENSIONS

ASSEMBLY PROCEDURES

1. STRIP CABLE AS SHOWN & SLIDE FERRULE OVER CABLE.
2. INSTALL CABLE INTO BODY OF CONNECTOR AND SOFT SOLDER CENTER CONDUCTOR IN PLACE.
3. CRIMP FERRULE & PRESS CAP DOWN.

CRIMP SIZE REQUIRED

FERRULE: 5.41 CRIMP TOOL



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COAXIAL & FIBER OPTICS

DWG TITLE

PE44515

DES.

QMA MALE RIGHT ANGLE, SOLDER-CRIMP ATTACHMENT FOR RG55, RG142, RG223 & RG400

SIZE A

FSCM NO. 53919

CAD FILE

042307

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.
3. ALL DIMENSIONS ARE IN mm.



Flexible RG142 Coax Cable Double Shielded with Tan FEP Jacket

TECHNICAL DATA SHEET

RG142B/U

Flexible RG142 Coax Cable Double Shielded with Tan FEP Jacket

Configuration

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

Electrical Specifications

Impedance, Ohms	50
Velocity of Propagation, %	69.2
Maximum Operating Frequency, GHz	8
RF Shielding, dB	90
Capacitance, pF/ft [pF/m]	29.4 [96.46]
Maximum Operating Voltage, Volts	1,900

Electrical Specifications by Frequency

Frequency 1

Frequency, MHz	100
Attenuation, dB/100ft [dB/100m]	3.9 [12.8]

Frequency 2

Frequency, MHz	1000
Attenuation, dB/100ft [dB/100m]	13 [42.65]

Frequency 3

Frequency, GHz	3
Attenuation, dB/100ft [dB/100m]	23.8 [78.08]

Frequency 4

Frequency, GHz	5
Attenuation, dB/100ft [dB/100m]	36 [118.11]

Mechanical Specifications

Temperature

Operating Range, deg C	-55 to +200
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Inner Conductor

Number of Strands	1
Material	Copper Clad Steel
Plating	Silver
Diameter, in [mm]	0.037 [0.94]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Flexible RG142 Coax Cable Double Shielded with Tan FEP Jacket RG142B/U](#)

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Flexible RG142 Coax Cable Double Shielded with Tan FEP Jacket

TECHNICAL DATA SHEET

RG142B/U

Dielectric:

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

Shield:

Number of	2
Material 1	Silver Plated Copper Braid
Material 2	Silver Plated Copper Braid
Diameter, in [mm]	0.156 [3.96]

Jacket:

Material	FEP
Diameter, in [mm]	0.195 [4.95]
Color	Tan
One Time Minimum Bend Radius, in [mm]	0.984 [24.99]
Repeated Minimum Bend Radius, in [mm]	2 [50.8]
Weight, lbs/ft [Kg/m]	0.046 [0.07]

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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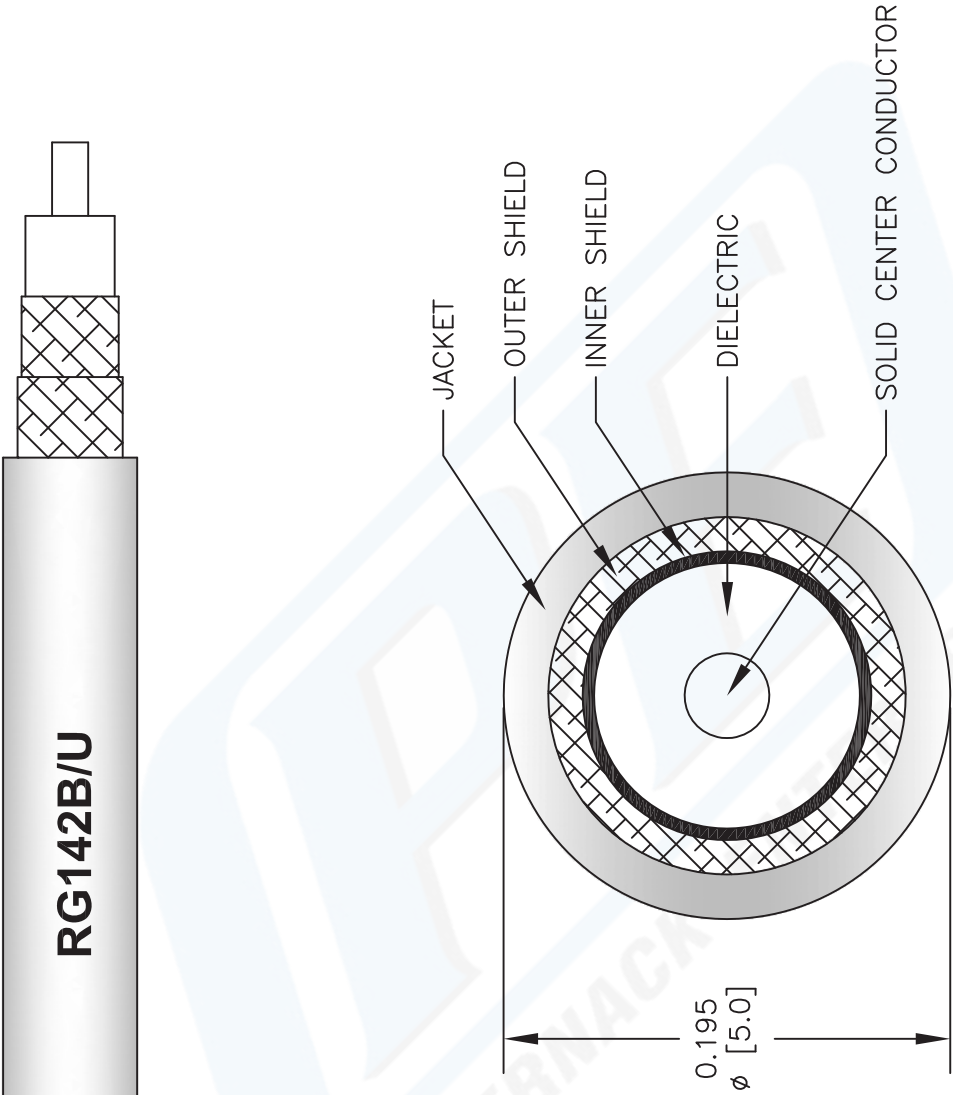
URL: <http://www.pasternack.com/flexible-0.195-rg142-50-ohm-coax-cable-fep-jacket-rg142b-u-p.aspx>

Flexible RG142 Coax Cable Double Shielded with Tan FEP 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.

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RG142B/U CAD Drawing

Flexible RG142 Coax Cable Double Shielded with Tan FEP Jacket



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3. DIMENSIONS ARE IN INCHES [mm].

DWG TITLE		FSCM NO. 53919		CAD FILE	022808-A	SCALE	N/A	SIZE	A	2233
RG142B/U										



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