



N Female Bulkhead Connector Clamp/Solder Attachment For
PE-SR401AL, PE-SR401FL, RG401, .640 inch DD Hole

TECHNICAL DATA SHEET

PE4942

N Female Bulkhead Connector Clamp/Solder Attachment For PE-SR401AL, PE-SR401FL, RG401, .640 inch DD Hole

Configuration

Connector	N Female
Connector Interface Type	PE-SR401AL, PE-SR401FL, RG401
Cable Attachment Method (Shield/Contact)	Clamp/Solder
Body Style	Straight
Mount Method	Bulkhead

Electrical Specifications

Frequency Range, GHz	DC to 11
Impedance, Ohms	50
Maximum Operating Voltage, Volts	1,000
Dielectric Withstanding Voltage, Vrms	2,500

Mechanical Specifications

Temperature

Operating Range, deg C	-65 to +165
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Size

Length, in [mm]	1.775 [45.09]
Width/Dia., in [mm]	0.825 [20.96]
Weight, lbs [g]	0.137 [62.14]

Connector

Type	N Female
Contact Material and Plating	Brass, Gold
Contact Plating Specification	30μ in. minimum
Body Material and Plating	Brass, Nickel
Body Plating Specification	100μ in. minimum
Dielectric Type	Teflon

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

RoHS Compliant	Yes
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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 Connector Clamp/Solder Attachment For PE-SR401AL, PE-SR401FL, RG401, .640 inch DD Hole PE4942](#)

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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Plotted and Other Data

Notes:

Values at 25 °C, sea level

N Female Bulkhead Connector Clamp/Solder Attachment For PE-SR401AL, PE-SR401FL, RG401, .640 inch DD Hole 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.

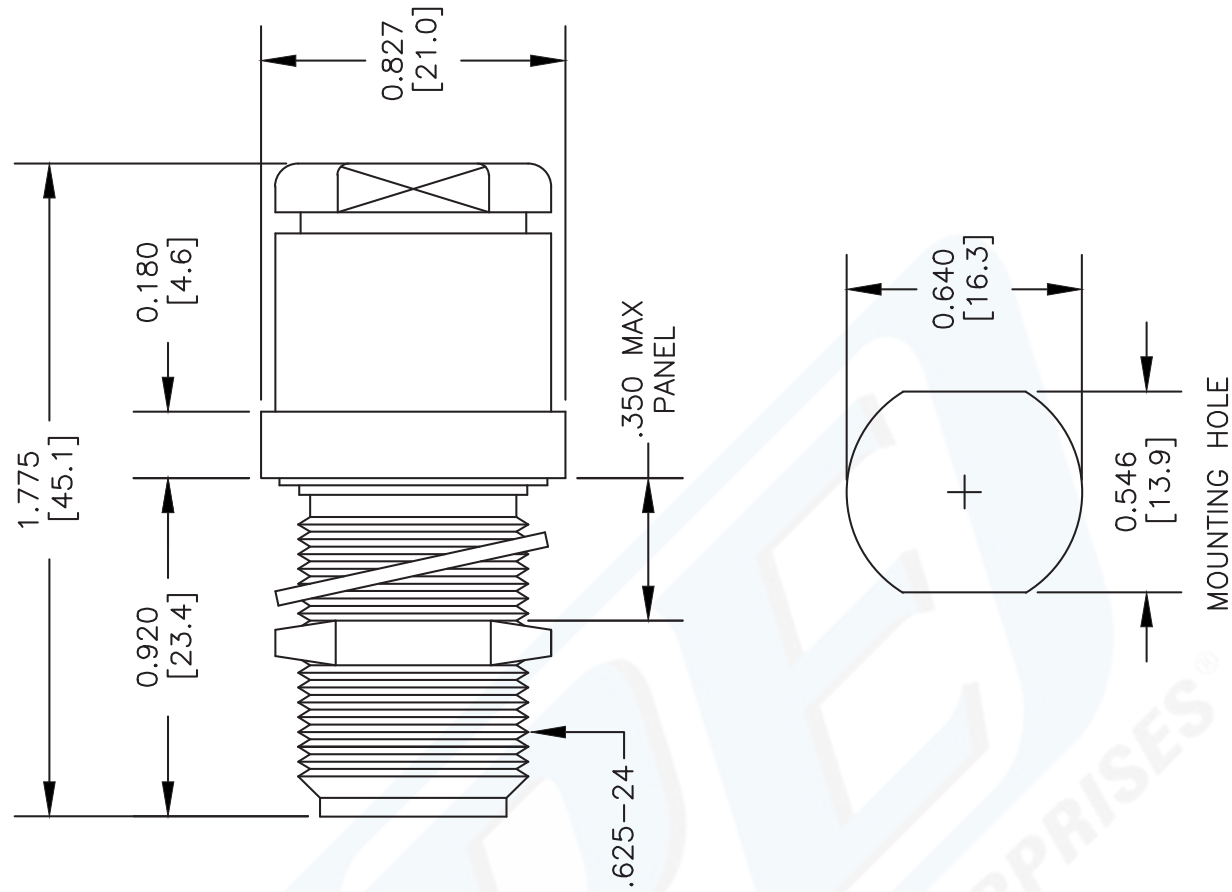
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Female Bulkhead Connector Clamp/Solder Attachment For PE-SR401AL, PE-SR401FL, RG401, .640 inch DD Hole PE4942](http://www.pasternack.com/n-female-standard-pe-sr401al-pe-sr401fl-rg401-connector-pe4942-p.aspx)

URL: <http://www.pasternack.com/n-female-standard-pe-sr401al-pe-sr401fl-rg401-connector-pe4942-p.aspx>

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PE4942 CAD Drawing

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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.

DWG TITLE

PE4942

FSCM NO. 53919

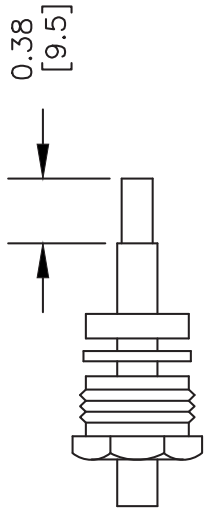
CAD FILE

061402

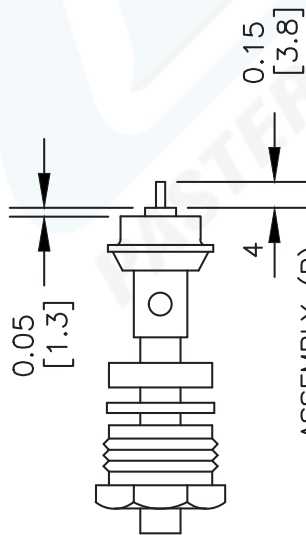
SCALE

SIZE A

XXXX



ASSEMBLY (A)



ASSEMBLY (B)

STRIPPING DIMENSIONS

ASSEMBLY PROCEDURES

1. SLIDE CLAMP NUT (1), WASHER (2) & GASKET OVER CABLE. STRIP CABLE AS SHOWN IN ASSEMBLY (A). DO NOT CUT DIELECTRIC.
2. SLIDE ADAPTER (4) OVER CABLE UNTIL ADAPTER (4) BOTTOMS ON OUTER CONDUCTOR. SOLDER ADAPTER (4) TO OUTER CONDUCTOR USING MINIMUM HEAT.
3. STRIP CABLE AS SHOWN IN ASSEMBLY (B). SOLDER CONTACT TO CENTER CONDUCTOR. SLIDE ASSEMBLY FORWARD & TIGHTEN TO BODY.



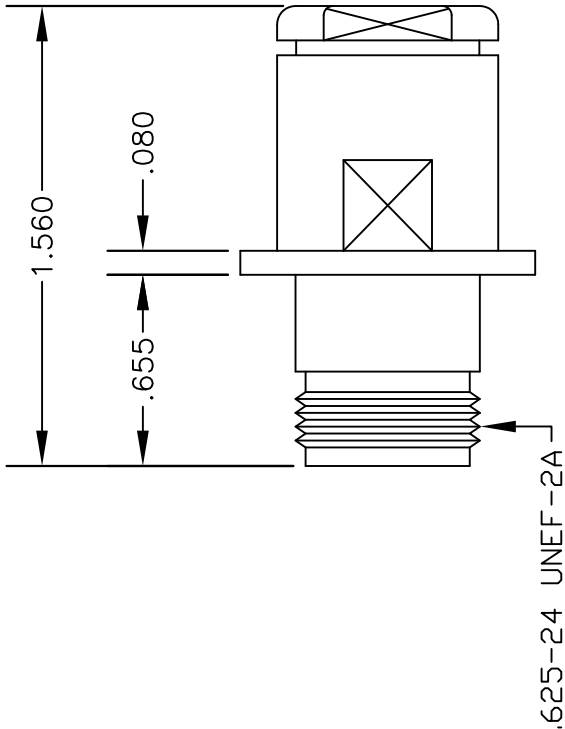
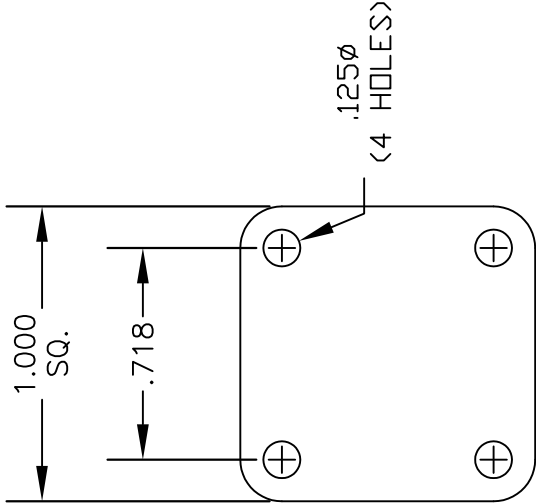
PASTERNAK
Pasternack Enterprises, Inc.

P.O. Box 16759 | Irvine | CA | 92623

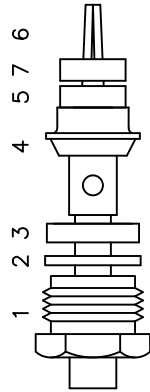
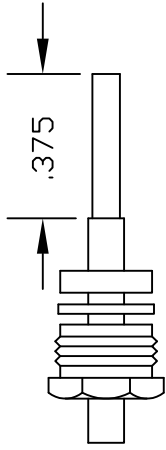
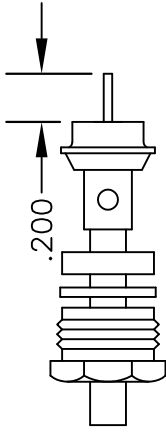
Phone: (949) 261-1920 | **Fax:** (949) 261-7451

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

MATERIALS	
BODY	BRASS NICKEL PLATED
CONTACT	GOLD PLATED
INSULATOR	PTFE
SOLDER ADAPTER	BRASS GOLD PLATED



MOUNTING HOLES



ASSEMBLY PROCEDURES

1. SLIDE CLAMP NUT (1), WASHER (2) & GASKET (3) OVER CABLE. STRIP CABLE AS SHOWN IN ASSEMBLY (A). DO NOT CUT DIELECTRIC.
2. SLIDE ADAPTER (4) OVER CABLE UNTIL ADAPTER (4) BOTTOMS ON OUTER CONDUCTOR. SOLDER ADAPTER (4) TO OUTER CONDUCTOR USING MINIMUM HEAT.
3. STRIP CABLE AS SHOWN IN ASSEMBLY (B) SLIDE REAR INSULATOR (5). SOLDER CONTACT (6) TO CENTER CONDUCTOR. SLIDE FRONT INSULATOR (7) OVER CONTACT (6) SLIDE ASSEMBLY FORWARD & TIGHTEN TO BODY.



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ESTABLISHED 1972

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WEB ADDRESS: www.pasternack.com
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COAXIAL & FIBER OPTICS

DWG TITLE		DES.	
PE44071		N FEMALE, PANEL MOUNT, SOLDER/CLAMP ATTACHMENT FOR RG401, PE-SR401AL & PE-SR401FL	
SIZE A	FSCM NO. 53919	CAD FILE	052504
		SCALE	N/A
			127

NOTES:

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RG401 Coax Cable with Copper

TECHNICAL DATA SHEET

RG401/U

RG401 Coax Cable with Copper

Configuration

Inner Conductor Material and Plating	Copper, Silver
Dielectric Type	PTFE
Shield Materials	Copper
Jacket Material and Color	Tan

Electrical Specifications

Impedance, Ohms	50
Velocity of Propagation, %	69.5
Maximum Operating Frequency, GHz	20
Capacitance, pF/ft [pF/m]	29.6 [97.11]
Maximum Operating Voltage, Volts	3,000
Dielectric Withstanding Voltage, Vrms	7,500

Electrical Specifications by Frequency Frequency 1

Frequency, MHz	1000
Attenuation, dB/100ft [dB/100m]	7.5 [24.61]
Power Handling, KWatts	1,400

Frequency 2

Frequency, GHz	10
Attenuation, dB/100ft [dB/100m]	33 [108.27]
Power Handling, Watts	350

Frequency 3

Frequency, GHz	20
Attenuation, dB/100ft [dB/100m]	48 [157.48]
Power Handling, Watts	200

Mechanical Specifications

Temperature

Operating Range, deg C	-55 to +125
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Inner Conductor

Number of Strands	1
Material	Copper
Plating	Silver
Diameter, in [mm]	0.064 [1.63]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [RG401 Coax Cable with Copper RG401/U](#)

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RG401 Coax Cable with Copper

TECHNICAL DATA SHEET

RG401/U

Dielectric:

Type	PTFE
Diameter, in [mm]	0.209 [5.31]

Shield:

Number of	1
Material 1	Copper
Diameter, in [mm]	0.25 [6.35]

Jacket:

Color	Tan
One Time Minimum Bend Radius, in [mm]	0.25 [6.35]
Weight, lbs/ft [Kg/m]	0.105 [0.16]

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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Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [RG401 Coax Cable with Copper RG401/U](#)

URL: <http://www.pasternack.com/semirigid-0.250-rg401-50-ohm-coax-cable-copper-rg401-u-p.aspx>

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IMPEDANCE: 50 OHMS
INNER CONDUCTOR DIAMETER: .0641"
INNER CONDUCTOR MATERIAL: SILVER COVERED COPPER
DIELECTRIC DIAMETER: .209"
DIELECTRIC MATERIAL: SOLID POLYTETRAFLUOROETHYLENE
OUTER DIAMETER: .250"
OUTER SHIELD: BARE COPPER TUBE
OPERATING TEMPERATURE: - 55° TO + 150° C
MAX OPERATING VOLTAGE (VOLTS RMS): 3,000

NOMINAL ATTENUATION (PER 100 FEET)

1 GHz	7.5 dB
10 GHz	33.0 dB
20 GHz	48.00 dB

MAXIMUM POWER HANDLING (AVERAGE POWER IN WATTS)

1 GHz	1,400
10 GHz	350
20 GHz	200



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DWG TITLE

RG401/U

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REV. B

FSCM NO. 53919

CAD FILE 070512

SCALE N/A

SIZE A

2233