

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



PE4942

Configuration

- N Female Connector
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: PE-SR401AL, PE-SR401FL, RG401
- Bulkhead

Features

- Max. Operating Frequency 3 GHz
- Gold Plated Brass Contact
- 30μ in. minimum contact plating

Applications

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

Description

Pasternack's PE4942 type N , N, Standard, Connector 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 3 GHz. 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 PE4942 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		3	GHz
Operating Voltage (AC)			1,000	Vrms
Dielectric Withstanding Voltage (AC)			2,500	Vrms
Impedance		50		Ohms

Mechanical Specifications

Size

Length	1.775 in [45.09 mm]
Width	0.825 in [20.96 mm]
Weight	0.137 lbs [62.14 g]

Material Specifications

Description	Material	Plating
Contact	Brass	Gold 30μ in. minimum
Insulation	Teflon	
Body	Brass	Nickel 100μ in. minimum

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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 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 millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

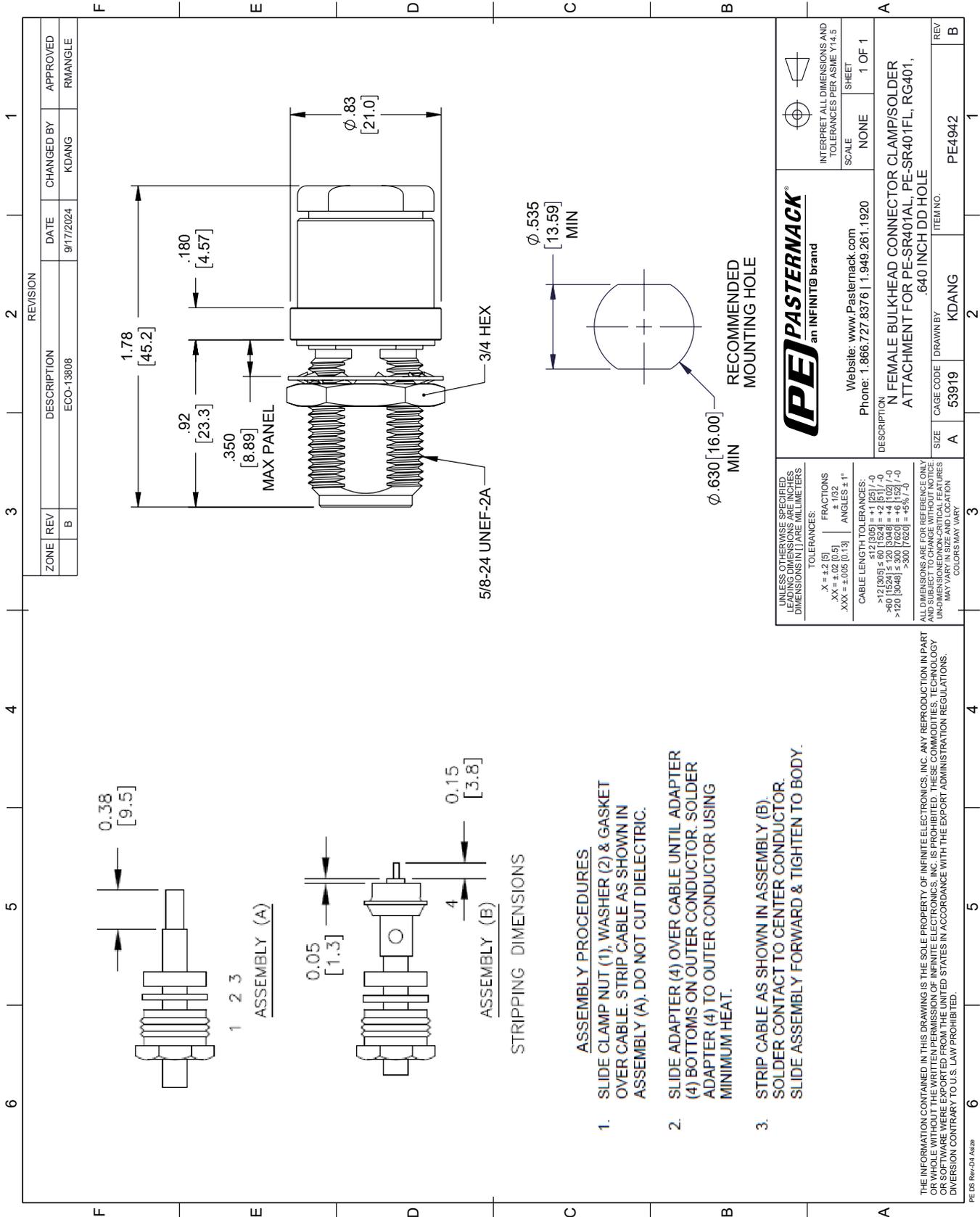
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Female Bulkhead Connector Clamp/Solder Attachment For PE-SR401AL, PE-SR401FL, RG401, .640 inch DD Hole PE4942](#)

URL: <https://www.pasternack.com/n-female-standard-pe-sr401al-pe-sr401fl-rg401-connector-pe4942.html>

The information contained within 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 Enterprises reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack Enterprises does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack Enterprises does not assume liability arising out of the use of any part or document.

PE4942 CAD Drawing

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ZONE	REV	DESCRIPTION	DATE	CHANGED BY	APPROVED
B		ECO-13808	9/17/2024	KDANG	RMANGLE

PE PASTERNAK an INFINITI® brand		Website: www.Pasternack.com Phone: 1.866.727.8376 1.949.261.1920	INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5 SCALE: NONE SHEET: 1 OF 1
DESCRIPTION N FEMALE BULKHEAD CONNECTOR CLAMP/SOLDER ATTACHMENT FOR PE-SR401AL, PE-SR401FL, RG401, .640 INCH DD HOLE		CAGE CODE: 53919 DRAWN BY: KDANG ITEM NO.: PE4942	REV: B

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

TOLERANCES:

X = ±.2 [5] FRACTIONS ±.132
 .XX = ±.02 [0.5] ANGLES ± 1°
 .XXX = ±.005 [0.13]

CABLE LENGTH TOLERANCES:

<12 [305] ±.60 [15.24] = ±.1 [2.5] / -0
 >12 [305] ≤.60 [15.24] = ±.2 [5] / -0
 >60 [1524] ≤.120 [3048] = ±.4 [102] / -0
 >120 [3048] ≤.300 [7620] = ±.8 [203] / -0

ALL DIMENSIONS ARE FOR REFERENCE ONLY. UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES. DIMENSIONS IN [] ARE IN MILLIMETERS. DIMENSIONS MAY VARY.

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PE DS Rev-04 Add2

- 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.

STRIPPING DIMENSIONS

ASSEMBLY (A)

ASSEMBLY (B)