



Precision N Male to N Female Bulkhead Mount Adapter

RF Adapters Technical Data Sheet

PE91694

Configuration

- N Male Connector 1
- N Female Connector 2
- 50 Ohm
- Precision Design
- Straight Body Geometry
- Bulkhead Mount Method

Features

- Max VSWR of 1.3:1 up to 11 GHz
- Type N interface compliant with MIL-STD-348A
- Plated Beryllium Copper Contact

Applications

- General Purpose Test
- Rack Mounted Equipment
- Precision Test & Measurement

Description

Pasternack's PE91694 type N male to type N female bulkhead adapter is part of our full line of RF components available for same-day shipping. Our type N to type N adapter has a male to female gender configuration in a precision design. PE91694 type N male to type N female adapter operates to 11 GHz. The Pasternack RF adapter provides good VSWR of 1.3:1 maximum. This RF type N to type N bulkhead adapter 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.

RF adapters are often used to enable connections between two connector types that would otherwise not mate. Certain adapter configurations can also be used to protect connectors on expensive equipment where the number of connect/disconnect cycles is high. An RF, microwave or millimeter wave adapter is connected to the equipment, and the commonly changed connection is made with the adapter which can be easily replaced when it wears out after high usage; such adapters are referred to as connector savers. Pasternack also offers bulkhead, panel mount, hermetically sealed, reverse polarity, and isolated ground adapter varieties to serve all of your RF, microwave and millimeter wave needs.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		11	GHz
Impedance		50 Ohm		
VSWR			1.3:1	
Operating Voltage (DC)			500	Vdc

Mechanical Specifications

Size	
Length	1.73 in [43.94 mm]
Width	0.87 in [22.10 mm]
Height	0.87 in [22.10 mm]
Weight	0.11 lbs [49.90 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Precision N Male to N Female Bulkhead Mount Adapter PE91694](#)



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Description	Connector 1	Connector 2
Type	N Male	N Female
Polarity	Standard	Standard
Interface Specification	MIL-STD-348A	MIL-STD-348A

Material Specifications

Description	Connector 1		Connector 2	
	Material	Plating	Material	Plating
Type	N Male		N Female	
Contact	Beryllium Copper	Silver 200µ in	Beryllium Copper	Silver 200µ in
Insulation	PTFE		PTFE	
Outer Conductor			Brass	Nickel Nickel 100µ in
Body	Brass	Nickel Nickel 100µ in	Brass	Nickel Nickel 100µ in
Gasket	Silicone		Silicone	
Washer	Brass	Nickel	Brass	
Coupling Nut	Brass	Nickel Nickel 100µ in		

Environmental Specifications

Temperature

Operating Range -65 to +165 °C

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

Plotted and Other Data

Notes:

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Precision N Male to N Female Bulkhead Mount Adapter 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.

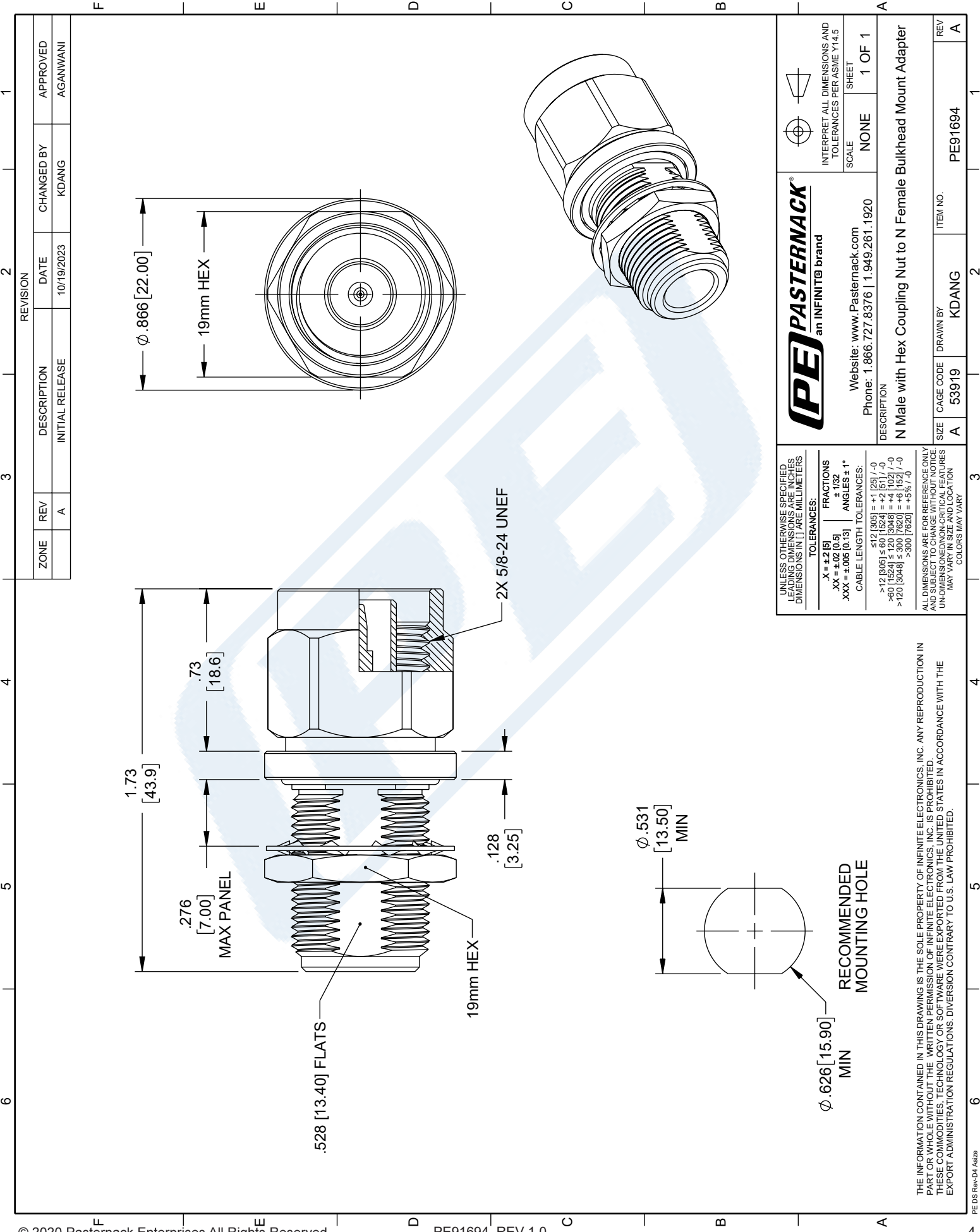
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Precision N Male to N Female Bulkhead Mount Adapter PE91694](https://www.pasternack.com/precision-n-male-to-n-female-bulkhead-mount-adapter-pe91694-p.aspx)

URL: <https://www.pasternack.com/precision-n-male-to-n-female-bulkhead-mount-adapter-pe91694-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.

PE91694 CAD Drawing

Precision N Male to N Female Bulkhead Mount Adapter



REVISION			
ZONE	REV	DESCRIPTION	DATE
	A	INITIAL RELEASE	10/19/2023
		CHANGED BY	KDANG
		APPROVED	AGANWANI

PE PASTERNAK
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INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5

SCALE: NONE
SHEET: 1 OF 1

DESCRIPTION
N Male with Hex Coupling Nut to N Female Bulkhead Mount Adapter

SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	53919	KDANG	PE91694	A

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

TOLERANCES:
X = ±.2 [5]
XX = ±.02 [0.5]
XXX = ±.005 [0.13]

FRACTIONS: ± 1/32
ANGLES: ± 1°

CABLE LENGTH TOLERANCES:
≤ 12 [305] = ± 1 [25] / -0
> 12 [305] ≤ 60 [1524] = +2 [51] / -0
> 60 [1524] ≤ 120 [3048] = +4 [102] / -0
> 120 [3048] ≤ 300 [7620] = +6 [152] / -0
> 300 [7620] = +5% / -0

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