



## BNC Jack Bulkhead Mount Non-Magnetic Connector Crimp/Solder Attachment for 0.141 Cable

### RF Connectors Technical Data Sheet

**PE45880**

#### Configuration

- BNC Jack Connector
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: 0.141 Cable
- Bulkhead
- Non-Magnetic Design

#### Features

- Max. Operating Frequency 4 GHz
- Good VSWR of 1.3:1
- Gold over Copper Plated Beryllium Copper Contact
- Magnetic Susceptibility  $10^{-5}$

#### Applications

- General Purpose Test
- Rack and Panel Mount Applications
- Custom Cable Assemblies
- Rack and Panel Mount Applications
- Medical
- Military and Aerospace
- Quantum Computing

#### Description

Pasternack's PE45880, BNC, Non-Magnetic, Connector is part of our full line of RF components available for same-day shipping. Our BNC jack connector operates up to a maximum frequency of 4 GHz and offers good VSWR of 1.3:1. This BNC 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. Pasternack's Non Magnetic connectors are manufactured with materials that are especially adapted to non magnetism. Our non-magnetic connectors have a susceptibility of around  $10^{-5}$ , as opposed to  $10^{-2}$  for standard connectors made of brass/nickel materials. As a result, our non-magnetic connectors are transparent to the magnetic field, which means no field distortion and a higher Signal-to-Noise Ratio (SNR).

Our BNC jack bulkhead connector PE45880 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		4	GHz
VSWR			1.3:1	
Insertion Loss			0.2	dB
Operating Voltage (AC)			500	Vrms
Impedance		50		Ohms
Dielectric Withstanding Voltage (AC)			1,500	Vrms
Insulation Resistance	5,000			MOhms
RF Leakage	55			dB

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [BNC Jack Bulkhead Mount Non-Magnetic Connector Crimp/Solder Attachment for 0.141 Cable PE45880](#)



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**RF Connectors**  
**Technical Data Sheet**

**PE45880**

**Mechanical Specifications**

**Size**

Length	22.20 in [563.88 mm]
Width	1.00 in [25.40 mm]
Height	1.00 in [25.40 mm]
Weight	0.06 lbs [28.73 g]
Mating Cycles	500 Cycles

**Material Specifications**

Description	Material	Plating
Contact	Beryllium Copper	Gold over Copper
Body	BZ4	Copper-Tin-Zinc Alloy
Gasket	Silicone Rubber	

**Environmental Specifications**

**Temperature**

Operating Range	-65 to +165 deg C
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**Compliance Certifications** (see [product page](#) for current document)

**Plotted and Other Data**

Notes:

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## BNC Jack Bulkhead Mount Non-Magnetic Connector Crimp/Solder Attachment for 0.141 Cable

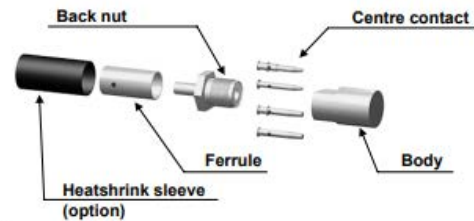


### RF Connectors Technical Data Sheet

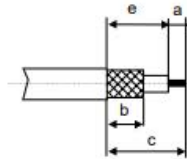
**PE45880**

#### Assembly Instruction

##### COMPONENTS

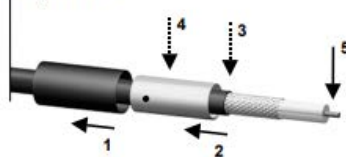


##### STRIPPING DIMENSIONS



**1**

Slide the heatshrink sleeve onto the cable (Option).  
Slide the ferrule onto the cable.  
Position the ferrule's hole at the front if soldering.  
Position the ferrule's hole at the back if crimping.  
Strip the cable.



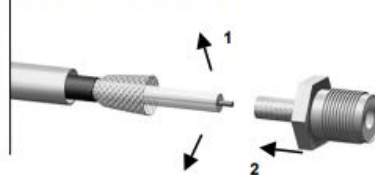
**4**

Slide the centre contact on until it bottoms against the insulator back nut.  
Solder or crimp the contact ( see connector TDS ).



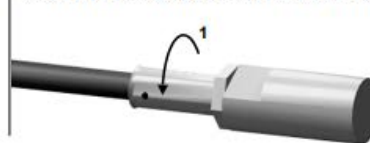
**2**

Fan the braid.  
Slide the cable into the back nut.



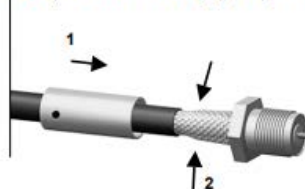
**5**

Screw the back nut into the connector body with the adapted wrench.  
Recommended coupling torque ( see connector TDS ).



**3**

Slide the ferrule over the braid.  
Crimp the ferrule with crimping tool ( see connector TDS ).



**6**

Slide the sleeve over the ferrule and heatshrink it in place (Option).



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**PE45880**

BNC Jack Bulkhead Mount Non-Magnetic Connector Crimp/Solder Attachment for 0.141 Cable 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.

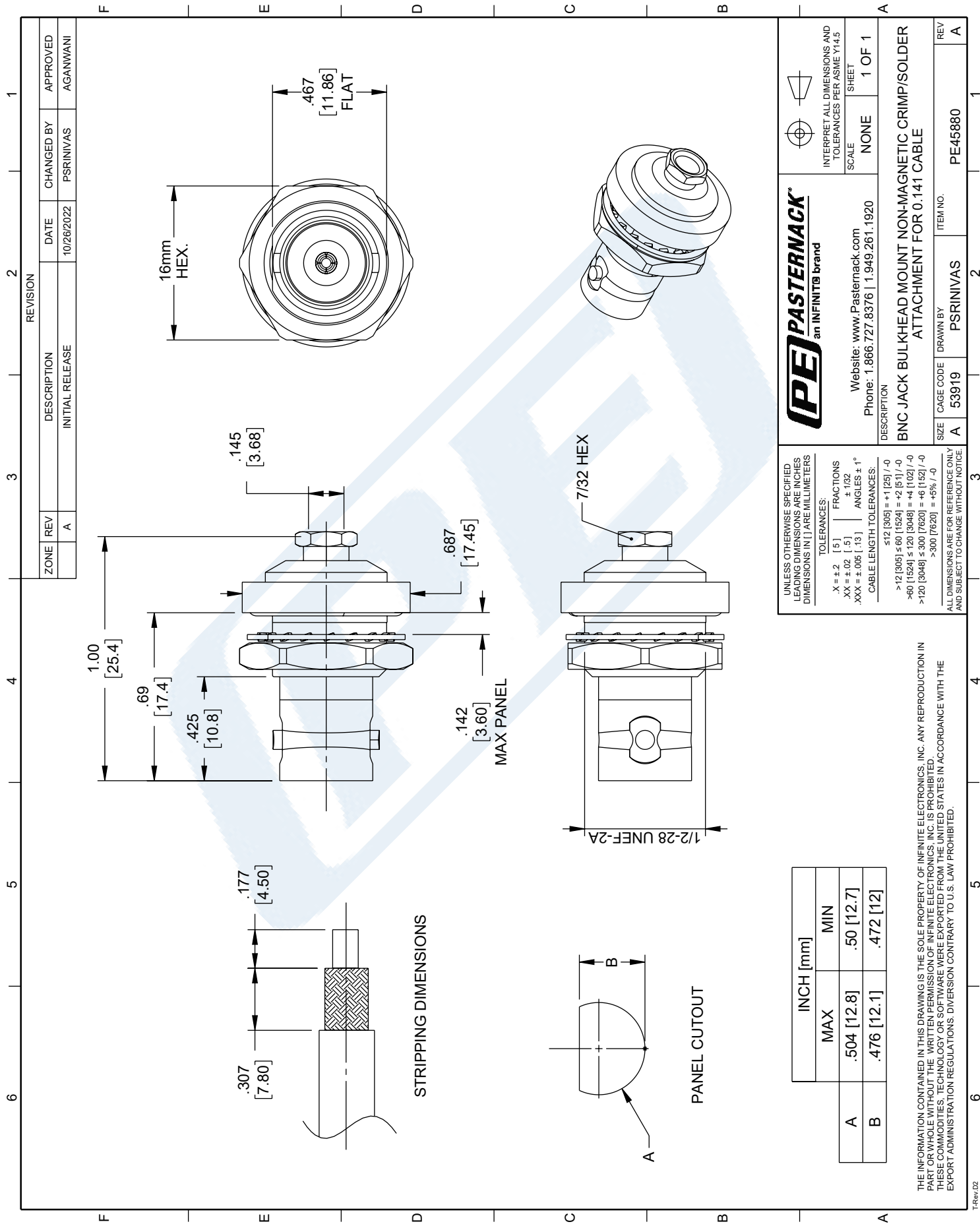
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [BNC Jack Bulkhead Mount Non-Magnetic Connector Crimp/Solder Attachment for 0.141 Cable PE45880](https://www.pasternack.com/bnc-jack-0.141-cable-connector-pe45880-p.aspx)

URL: <https://www.pasternack.com/bnc-jack-0.141-cable-connector-pe45880-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.

# PE45880 CAD Drawing

BNC Jack Bulkhead Mount Non-Magnetic Connector  
Crimp/Solder Attachment for 0.141 Cable



<b>PE PASTERNAK</b> an INFINITI <sup>®</sup> brand		
<b>DESCRIPTION</b> BNC JACK BULKHEAD MOUNT NON-MAGNETIC CRIMP/SOLDER ATTACHMENT FOR 0.141 CABLE	<b>SCALE</b> NONE	<b>SHEET</b> 1 OF 1
<b>Website:</b> www.Pasternack.com <b>Phone:</b> 1.866.727.8376   1.949.261.1920		
<b>SIZE</b> A	<b>CAGE CODE</b> A 53919	<b>ITEM NO.</b> PSRINIVAS
<b>REV</b> A		

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

**TOLERANCES:**

**FRACTIONS**

**ANGLES**

**CABLE LENGTH TOLERANCES:**

**ALL DIMENSIONS ARE FOR REFERENCE ONLY  
AND SUBJECT TO CHANGE WITHOUT NOTICE**

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