

TNC Female Bulkhead Mount Hermetically Sealed Connector Clamp/Solder Attachment for RG316



PE1964

Configuration

- TNC Female Connector
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: RG316
- Bulkhead

Features

- Max. Operating Frequency 4.5 GHz
- Excellent VSWR of 1.2:1
- Gold Plated Phosphor Bronze Contact
- Hermetically Sealed

Applications

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

Description

Pasternack's PE1964, TNC, Hermetically Sealed, Connector is part of our full line of RF components available for same-day shipping. Our TNC female connector operates up to a maximum frequency of 4.5 GHz and offers excellent VSWR of 1.2:1. This TNC 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 TNC female bulkhead connector PE1964 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		4.5	GHz
VSWR			1.2:1	
Insertion Loss			0.212	dB
Operating Voltage (AC)			500	Vrms
Dielectric Withstanding Voltage (AC)			1,500	Vrms
Inner Conductor DC Resistance			1.5	mOhms
Outer Conductor DC Resistance			1	mOhms
Insulation Resistance	5,000			MOhms
Impedance		50		Ohms

Mechanical Specifications

Size

Length	1.19 in [30.23 mm]
Width	0.69 in [17.53 mm]
Height	0.69 in [17.53 mm]
Weight	0.008 lbs [3.63 g]
Mating Cycles	500 Cycles

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Mating Torque	4.1 to 6.1 in-lbs [[0.46 to 0.69 Nm]]
Cable Retention Force	6.1 lbs [2.77 kg]

Material Specifications

Description	Material	Plating
Contact	Phosphor Bronze	Gold
Insulation	PTFE	
Body	Brass	Tri-Metal

Environmental Specifications

Temperature

Operating Range	-65 to +165 deg C
Humidity	MIL-STD-202, Method106
Thermal Shock	MIL-STD-202, Method107, Condition B
Salt Spray	MIL-STD-202, Method101, Condition B
Hermetic Seal	1*10-6cc/sec helium at 1atm

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

Plotted and Other Data

Notes:

TNC Female Bulkhead Mount Hermetically Sealed Connector Clamp/Solder Attachment for RG316 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.

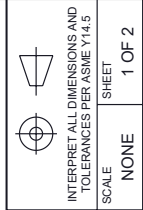
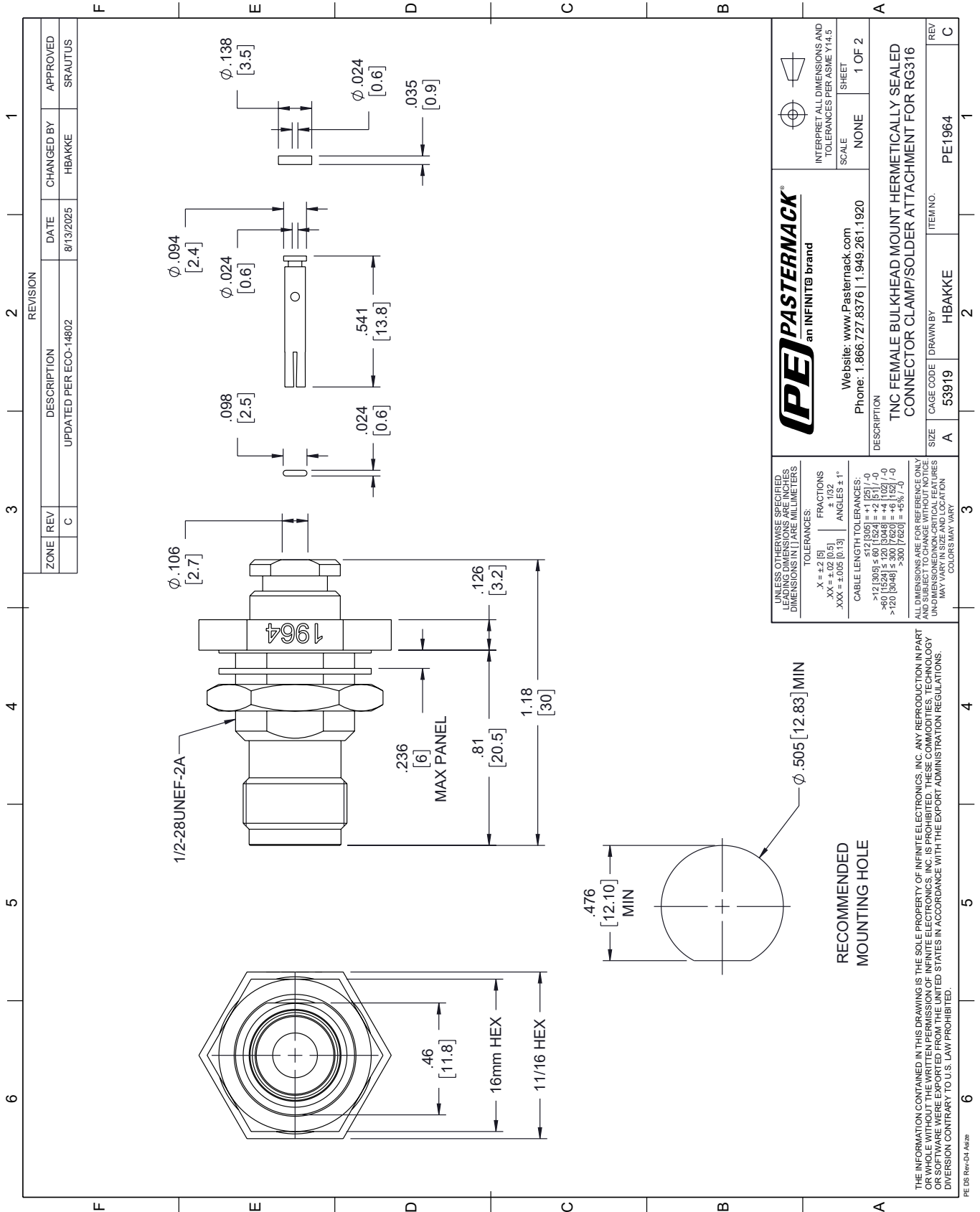
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [TNC Female Bulkhead Mount Hermetically Sealed Connector Clamp/Solder Attachment for RG316 PE1964](#)

URL: <https://www.pasternack.com/tnc-female-rg316-connector-pe1964.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.

PE1964 CAD Drawing

TNC Female Bulkhead Mount Hermetically Sealed Connector Clamp/Solder Attachment for RG316



PE PASTERNAK
 an INFINITE 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 2

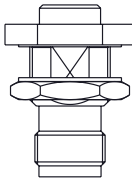







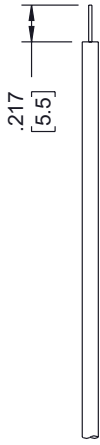

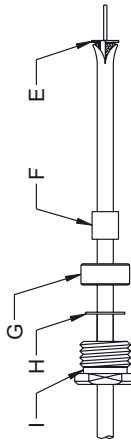
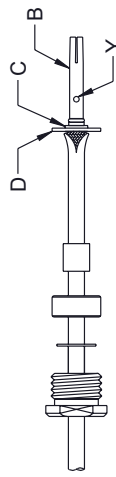
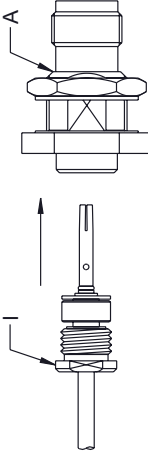
DESCRIPTION	SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
TNC FEMALE BULKHEAD MOUNT HERMETICALLY SEALED CONNECTOR CLAMP/SOLDER ATTACHMENT FOR RG316	A	53919	HBAKKE	PE1964	C

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PE DS Rev-D4 Add

PE1964 CAD Drawing

TNC Female Bulkhead Mount Hermetically Sealed Connector Clamp/Solder Attachment for RG316

6	5	4	3	2	1										
F	E	D	C	B	A										
CABLE ASSEMBLY INSTRUCTION															
 <p>BODY + WASHER + HEX NUT (A)</p>	 <p>CONTACT PIN + GASKET (B)</p>	 <p>INSULATOR (C)</p>	 <p>WASHER (D)</p>	 <p>TOP HAT (E)</p>	 <p>GASKET (F)</p>	 <p>FERRULE (G)</p>	 <p>WASHER (H)</p>	 <p>NUT (I)</p>							
<p>STEP 1: STRIP AS SHOWN.</p>  <p>STEP 2: MAKE A .146" [3.7mm] LONG CUT IN THE JACKET WITHOUT DAMAGING THE BRAIDING.</p>  <p>STEP 3: SLIDE NUT "I", WASHER "H", FERRULE "G", AND GASKET "F" OVER CABLE.</p> <p>STEP 4: SLIDE TOP HAT "E" BETWEEN BRAIDING AND DIELECTRIC.</p>  <p>STEP 5: SLIDE PREPARED CABLE INTO WASHER "D".</p> <p>STEP 6: PUT INSULATOR "C" AND CONTACT PIN "B" ON CENTER CONDUCTOR AND SOLDER IN "Y".</p>  <p>STEP 7: FINALLY SCREW NUT "I" ON THE CONNECTOR BODY "A".</p> 															
<p><small>ALL DIMENSIONS ARE FOR REFERENCE ONLY. DIMENSIONS OF THIS DRAWING ARE NOT TO BE USED FOR PRODUCTION. UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES. DIMENSIONS IN PARENTHESES ARE IN MILLIMETERS. DIMENSIONS IN SQUARE BRACKETS ARE METRIC EQUIVALENTS. DIMENSIONS IN BRACKETS MAY VARY IN SIZE AND LOCATION. COLORS MAY VARY.</small></p>															
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