

# TNC Female Bulkhead Mount Connector

## Clamp/Solder Attachment for PE-047SR, PE-SR047AL, PE-SR047FL, IP68 Rated



### RF Connectors Technical Data Sheet

**PE44897**

#### Configuration

- TNC Female Connector
- MIL-STD-348
- 50 Ohms
- Straight Body Geometry

- Connector Interface Types: PE-047SR, PE-SR047AL, PE-SR047FL
- Bulkhead

#### Features

- Max. Operating Frequency 2 GHz
- Gold Plated Beryllium Copper Contact

- IP68 Rated

#### Applications

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

#### Description

Pasternack's PE44897 TNC female bulkhead connector with clamp/solder attachment for PE-047SR, PE-SR047AL and PE-SR047FL 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 2 GHz. 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. The connector has an IP68 rating to protect against dust and prolonged moisture protection under immersion conditions.

Our TNC female bulkhead connector PE44897 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		2	GHz

#### Mechanical Specifications

Size	
Length	1 in [25.4 mm]
Width/Dia.	0.687 in [17.45 mm]
Weight	0.04 lbs [18.14 g]

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 Connector Clamp/Solder Attachment for PE-047SR, PE-SR047AL, PE-SR047FL, IP68 Rated PE44897](#)



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### Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold
Insulation	PTFE	
Body	Brass	Nickel

### Environmental Specifications

#### Temperature

Operating Range

Ingress Protection (IP) Rating

-65 to +165 deg C

IP68 Rated

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

### Plotted and Other Data

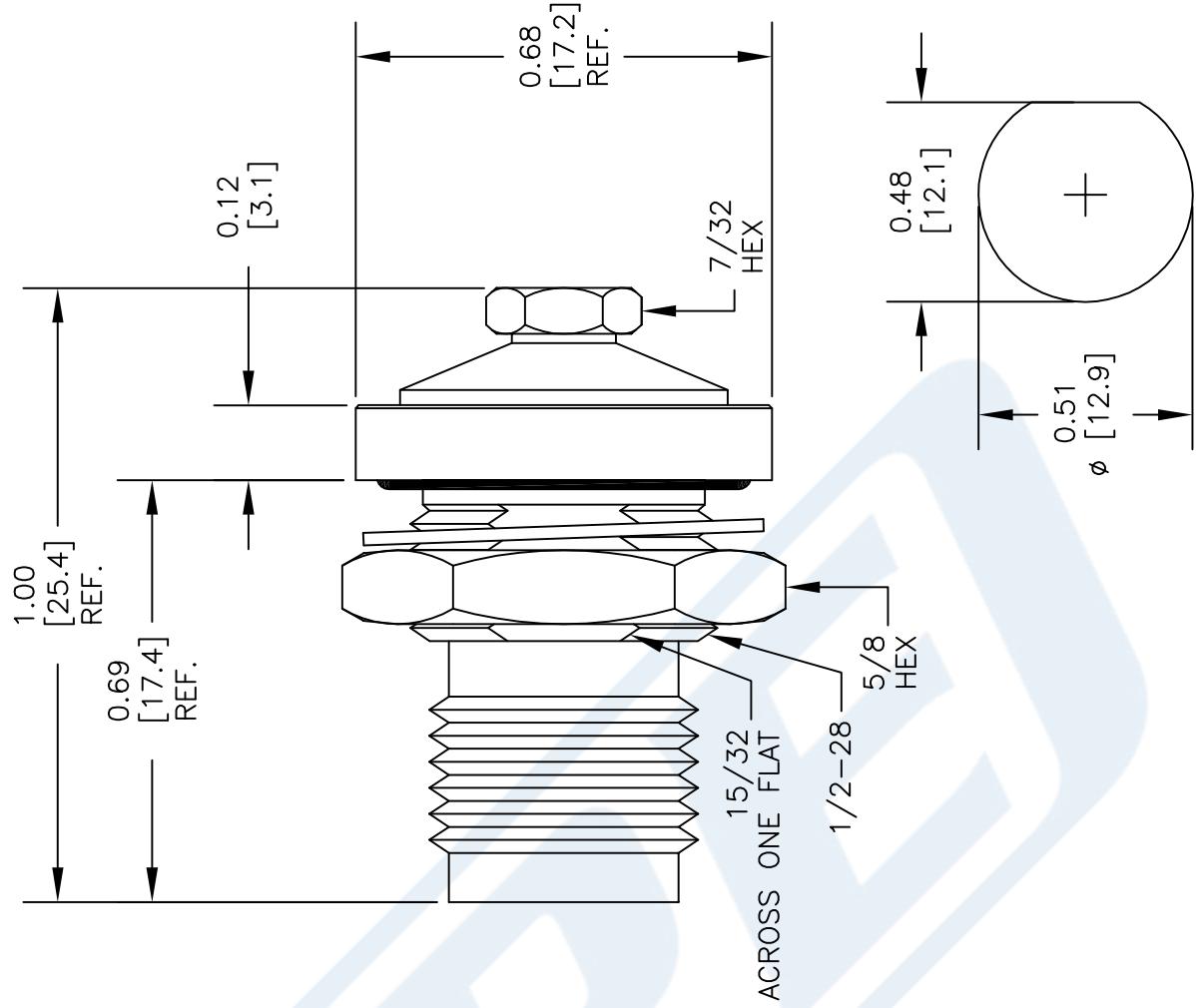
Notes:

TNC Female Bulkhead Mount Connector Clamp/Solder Attachment for PE-047SR, PE-SR047AL, PE-SR047FL, IP68 Rated 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.

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URL: <https://www.pasternack.com/tnc-female-standard-pe-047sr-pe-sr047al-pe-sr047fl-connector-pe44897-p.aspx>

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## STRIPPING DIMENSIONS

## ASSEMBLY PROCEDURES

1. TRIM CABLE AS SHOWN
2. SLIDE BACK NUT & SOLDER BARREL OVER CABLE
3. PLACE THE INSULATOR DISC (TEFLON) ONTO THE CENTER CONDUCTOR, SOLDER BULLET CONTACT
4. INSERT CABLE ASSEMBLY INTO REAR OF CONNECTOR, THREAD BACK NUT UNTIL BOTTOMED

## MOUNTING HOLE

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  
**PE44897**

FSCM NO.	CAD FILE	SCALE	SIZE	REV
53919	061014	N/A	A	150

**PASTERNACK**  
THE ENGINEER'S RF SOURCE

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Insulation	PTFE	
Body	Brass	Nickel

### Environmental Specifications

#### Temperature

Operating Range

Ingress Protection (IP) Rating

-65 to +165 deg C

IP68 Rated

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

### Plotted and Other Data

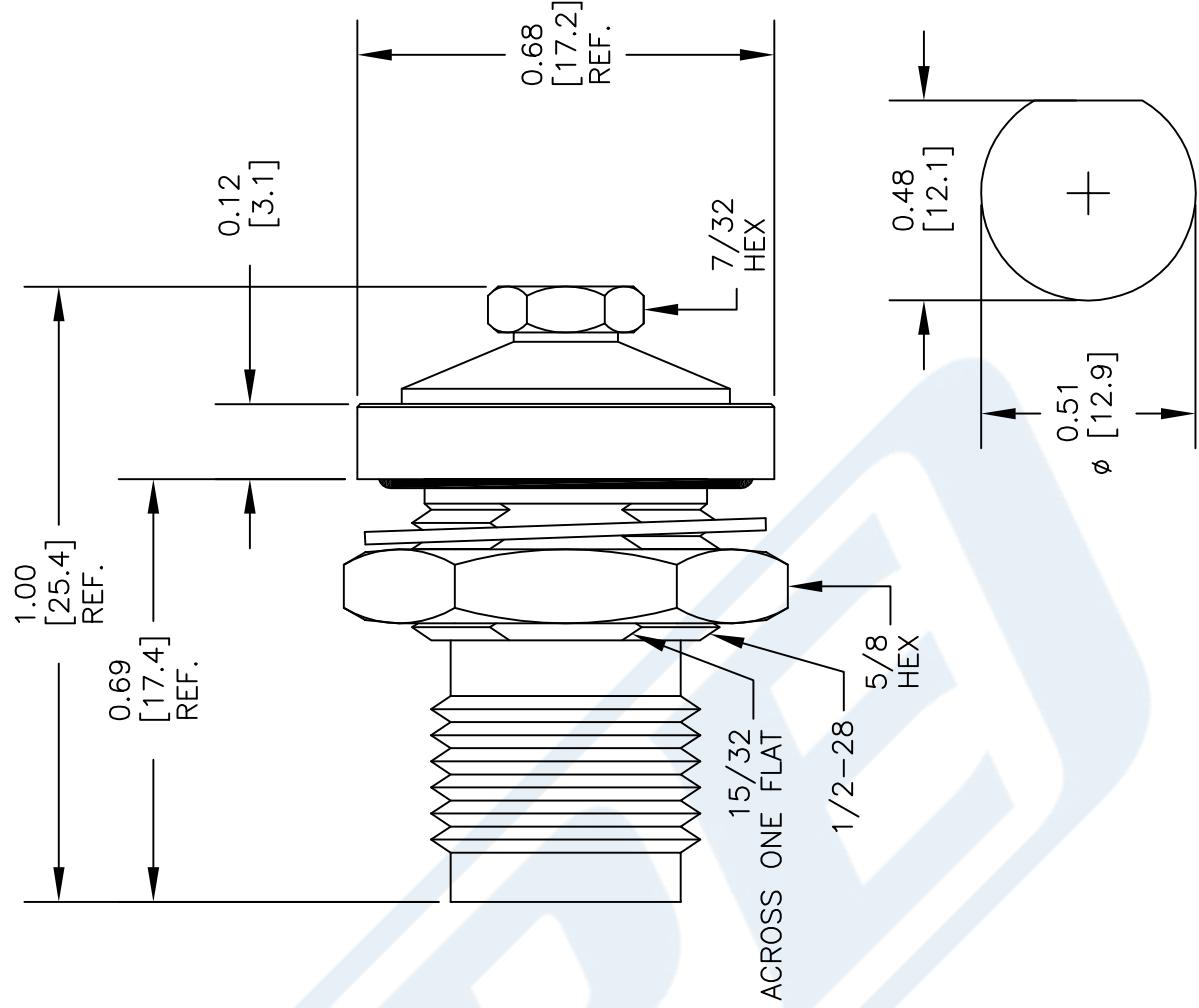
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## STRIPPING DIMENSIONS

## ASSEMBLY PROCEDURES

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## MOUNTING HOLE

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 4. FITS MIL-C-17 AND EQUIVALENT CABLES.

DWG TITLE  
**PE44897**



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FSCM NO.	53919	CAD FILE	061014	SCALE	N/A	SIZE	A	150
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## Flexible PE-P047 Coax Cable Double Shielded with Blue FEP Jacket

### RF Cables Technical Data Sheet

**PE-P047**

#### Configuration

- Flexible Cable
- 2 Shield(s)

#### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		50	GHz
Impedance		50		Ohms
Velocity of Propagation		70		%
Shielding Effectiveness	90			dB
Nominal Capacitance		29 [95.14]		pF/ft [pF/m]

#### Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	1	2	4	8	12	GHz
Attenuation, Typ	33.54	48.41	70.42	103.5	130.43	dB/100ft
	110.04	158.83	231.04	339.57	427.92	dB/100m

Description	F6	F7	F8	F9	F10	Units
Frequency	18	26	34	40	50	GHz
Attenuation, Typ	165.27	205.9	242.57	268.31	308.79	dB/100ft
	542.22	675.52	795.83	880.28	1,013.09	dB/100m

#### Mechanical Specifications

Diameter	0.056 in [1.42 mm]
Weight	0.037 lbs/ft [0.06 kg/m]
Min. Bend Radius (Installation)	0.2 in [5.08 mm]
Min. Bend Radius (Repeated)	0.4 in [10.16 mm]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Flexible PE-P047 Coax Cable Double Shielded with Blue FEP Jacket PE-P047](#)



## Flexible PE-P047 Coax Cable Double Shielded with Blue FEP Jacket

### RF Cables Technical Data Sheet

**PE-P047**

#### Construction Specifications

Description	Material and Plating	Diameter
Inner Conductor	Copper, Silver, 1 Strand	0.011 in [0.28 mm]
Conductor Type	Solid	
Dielectric	FEP	0.036 in [0.91 mm]
First Shield	Silver Plated Copper Tape	[ ]
Second Shield	Silver Plated Copper Braid 89% coverage	0.046 in [1.17 mm]
Jacket	FEP, Blue	0.056 in [1.42 mm]

#### Environmental Specifications

##### Temperature

Operating Range

-65 to +165 deg C

Storage Range

-65 to +200 deg C

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

#### Plotted and Other Data

Notes:

Flexible PE-P047 Coax Cable Double Shielded with Blue FEP Jacket 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.

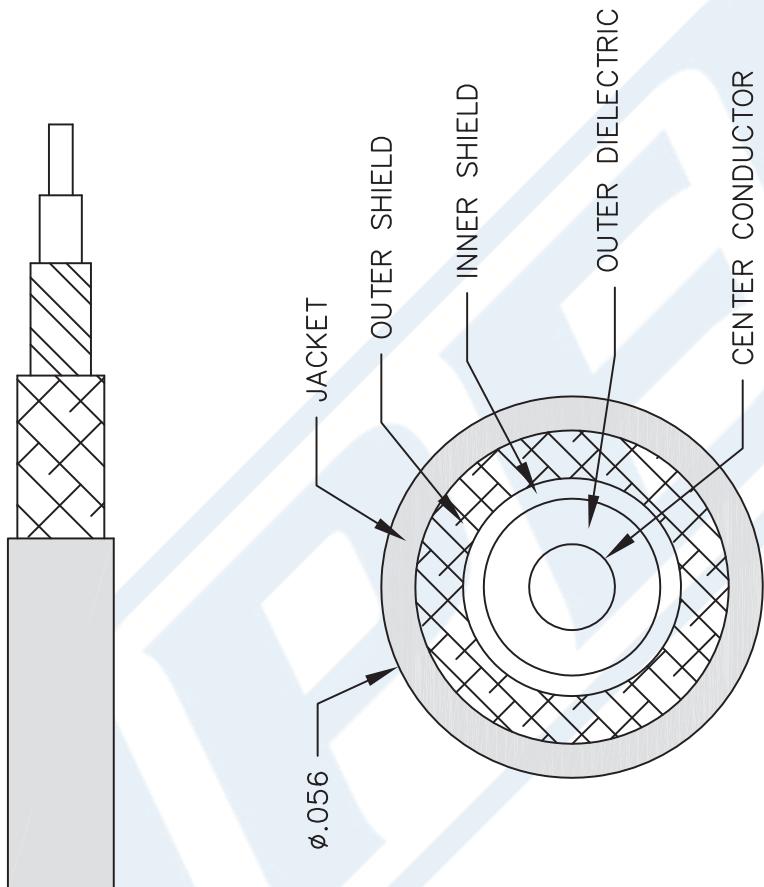
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URL: <https://www.pasternack.com/precision-0.056-semirigid-replacement-50-ohm-coax-cable-fep-jacket-pe-p047-p.aspx>

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# PE-P047 CAD Drawing

Flexible PE-P047 Coax Cable Double Shielded with Blue FEP Jacket



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DWG TITLE	PE-P047		
FSCM NO.	53919	CAD FILE	111716

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SCALE	N/A	SIZE	A
		41742	