


**TNC Male Connector Solder Attachment For  
PE-047SR, PE-SR047AL, PE-SR047FL**
**TECHNICAL DATA SHEET**
**PE4975**
**TNC Male Connector Solder Attachment For PE-047SR, PE-SR047AL, PE-SR047FL**
**Configuration**

Connector	TNC Male
Connector Specification	MIL-C-39012
Connector Interface Type	PE-047SR, PE-SR047AL, PE-SR047FL
Cable Attachment Method (Shield/Contact)	Solder/Solder
Body Style	Straight

**Electrical Specifications**

Frequency Range, GHz	DC to 11
Impedance, Ohms	50
Maximum Operating Voltage, Volts	500

**Mechanical Specifications**

<b>Temperature</b>	
Operating Range, deg C	-65 to +165
<b>Size</b>	
Length, in [mm]	0.77 [19.56]
Width/Dia., in [mm]	0.59 [14.99]
Weight, lbs [g]	0.034 [15.42]

**Connector**

Type	TNC Male
Contact Material and Plating	Gold
Contact Plating Specification	MIL-G-45204
Coupling Nut Material and Plating	Brass, Nickel
Body Material and Plating	Brass, Gold
Body Plating Specification	MIL-G-45204
Dielectric Type	Teflon

**Compliance Certifications** (visit [www.Pasternack.com](http://www.Pasternack.com) for current document)

RoHS Compliant	Yes
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Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [TNC Male Connector Solder Attachment For PE-047SR, PE-SR047AL, PE-SR047FL PE4975](#)

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.



## TNC Male Connector Solder Attachment For PE-047SR, PE-SR047AL, PE-SR047FL

### TECHNICAL DATA SHEET

PE4975

#### Plotted and Other Data

Notes:

Values at 25 °C, sea level

TNC Male Connector Solder Attachment For PE-047SR, PE-SR047AL, PE-SR047FL from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and fiber optic products maintain a 99% availability and are part of the broadest selection in the industry.

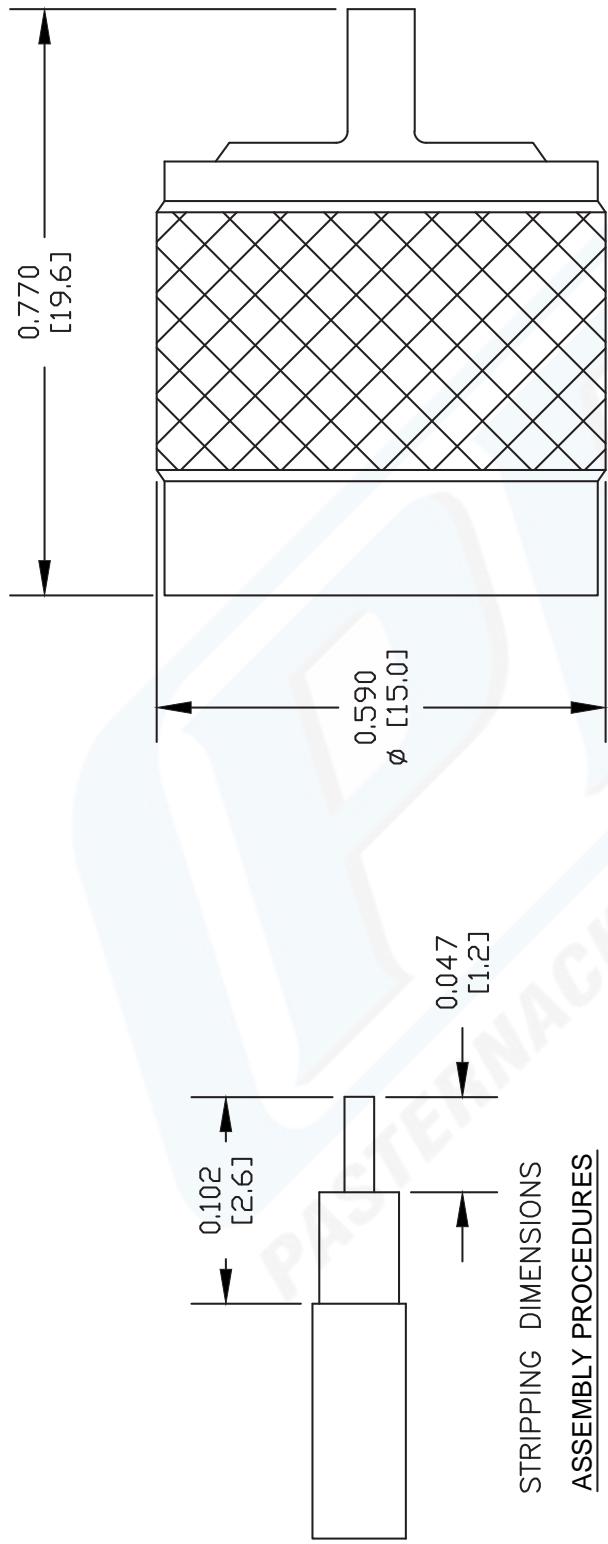
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [TNC Male Connector Solder Attachment For PE-047SR, PE-SR047AL, PE-SR047FL PE4975](#)

URL: <http://www.pasternack.com/tnc-male-standard-pe-047sr-pe-sr047al-pe-sr047fl-connector-pe4975-p.aspx>

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# PE4975 CAD Drawing

TNC Male Connector Solder Attachment For PE-047SR, PE-SR047AL, PE-SR047FL



1. STRIP CABLE AS SHOWN. DO NOT NICK CENTER CONDUCTOR. SLIDE CABLE THROUGH BODY.
2. INSERT CENTER CONDUCTOR INTO CONTACT UNTIL DIELECTRIC BOTTOMS INSIDE CONTACT. SOFT SOLDER CONTACT TO CENTER CONDUCTOR. DO NOT OVER HEAT DIELECTRIC.
3. USING ASSEMBLY TOOL, PRESS CONTACT FULLY INTO INSULATOR. SOLDER OUTER CONDUCTOR TO BODY.

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  
**PE4975**

**PE PASTERNACK**  
Pasternack Enterprises, Inc.  
P.O. Box 16759 | Irvine | CA | 92623  
Phone: (949) 261-1920 | Fax: (949) 261-7451  
Website: [www.pasternack.com](http://www.pasternack.com) | E-Mail: [sales@pasternack.com](mailto:sales@pasternack.com)

FSM NO.	CAD FILE	SCALE	SIZE	A
53919	061402			xxxx


**N Female Bulkhead Precision Connector Solder Attachment For  
PE-047SR, PE-SR047AL, PE-SR047FL, .640 inch DD Hole**
**TECHNICAL DATA SHEET**
**PE4946**
**N Female Bulkhead Precision Connector Solder Attachment For PE-047SR, PE-SR047AL, PE-SR047FL,  
.640 inch DD Hole**
**Configuration**

Connector	N Female
Connector Interface Type	PE-047SR, PE-SR047AL, PE-SR047FL
Cable Attachment Method (Shield/Contact)	Solder/Solder
Connector Design	Precision
Body Style	Straight
Mount Method	Bulkhead

**Electrical Specifications**

Impedance, Ohms	50
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**Mechanical Specifications**

Size	
Length, in [mm]	1.335 [33.91]
Width/Dia., in [mm]	0.812 [20.62]
Weight, lbs [g]	0.096 [43.54]

**Connector**

Type	N Female
Contact Material and Plating	Gold
Outer Conductor Material and Plating	Brass, Gold
Body Material and Plating	Brass, Nickel
Dielectric Type	Teflon

**Compliance Certifications** (visit [www.Pasternack.com](http://www.Pasternack.com) for current document)

RoHS Compliant	Yes
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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 Precision Connector Solder Attachment For PE-047SR, PE-SR047AL, PE-SR047FL, .640 inch DD Hole PE4946](#)

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## N Female Bulkhead Precision Connector Solder Attachment For PE-047SR, PE-SR047AL, PE-SR047FL, .640 inch DD Hole

### TECHNICAL DATA SHEET

PE4946

#### Plotted and Other Data

Notes:

Values at 25 °C, sea level

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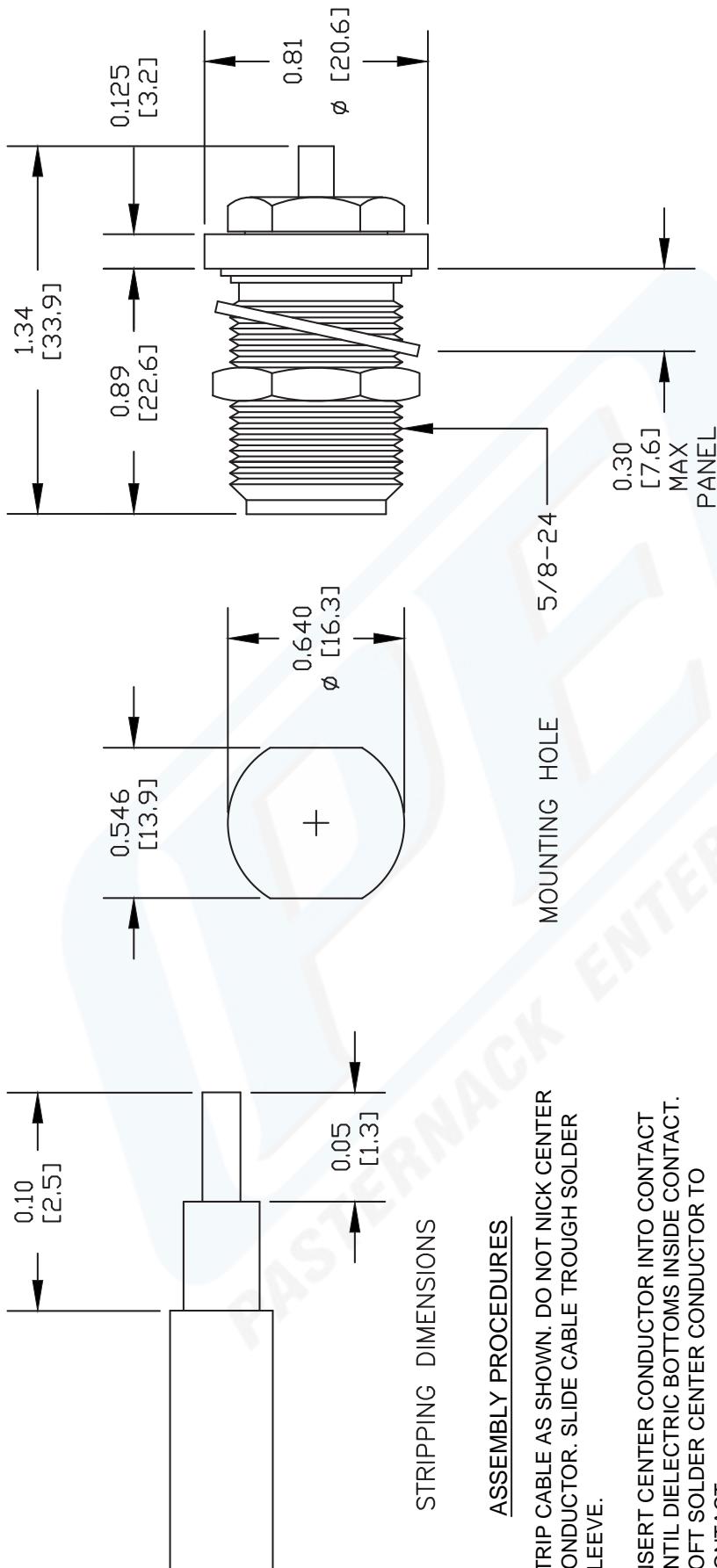
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# PE4946 CAD Drawing

N Female Bulkhead Precision Connector Solder Attachment For  
PE-047SR, PE-SR047AL, PE-SR047FL, .640 inch DD Hole



## ASSEMBLY PROCEDURES

1. STRIP CABLE AS SHOWN. DO NOT NICK CENTER CONDUCTOR. SLIDE CABLE THRU SOLDER SLEEVE.
2. INSERT CENTER CONDUCTOR INTO CONTACT UNTIL DIELECTRIC BOTTOMS INSIDE CONTACT. SOFT SOLDER CENTER CONDUCTOR TO CONTACT.
3. THREAD BODY ONTO SOLDER SLEEVE AND TIGHTEN SECURELY. USING ASSEMBLY TOOL, PRESS CONTACT INTO INSULATOR. SOLDER OUTER CONDUCTOR TO SOLDER SLEEVE.

NOTES:  
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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  
**PE4946**

**PE** **PASTERNAK**<sup>®</sup>

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FSM NO.	CAD FILE	SCALE	SIZE	A
53919	120502	N/A	N/A	127

## Formable 047 Semi-rigid Coax Cable with Tinned Copper Braid Outer Conductor

### TECHNICAL DATA SHEET

**PE-SR047FL**

#### Formable 047 Semi-rigid Coax Cable with Tinned Copper Braid Outer Conductor

##### Configuration

Inner Conductor Material and Plating	Copper Clad Steel, Silver
Dielectric Type	PTFE
Shield Materials	Tinned Copper Braid

##### Electrical Specifications

Impedance, Ohms	50
Maximum Operating Frequency, GHz	20
Capacitance, pF/ft [pF/m]	32 [104.99]

##### Electrical Specifications by Frequency

###### Frequency 1

Frequency, MHz	500
Attenuation, dB/100ft [dB/100m]	25 [82.02]

###### Frequency 2

Frequency, MHz	1000
Attenuation, dB/100ft [dB/100m]	36 [118.11]

###### Frequency 3

Frequency, GHz	3
Attenuation, dB/100ft [dB/100m]	65 [213.25]

###### Frequency 4

Frequency, GHz	5
Attenuation, dB/100ft [dB/100m]	86 [282.15]

##### Mechanical Specifications

###### Temperature

Operating Range, deg C	-40 to +100
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###### Inner Conductor

Number of Strands	1
Material	Copper Clad Steel
Plating	Silver
Diameter, in [mm]	0.011 [0.28]

###### Dielectric:

Type	PTFE
Diameter, in [mm]	0.034 [0.86]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Formable 047 Semi-rigid Coax Cable with Tinned Copper Braid Outer Conductor PE-SR047FL](#)

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## Formable 047 Semi-rigid Coax Cable with Tinned Copper Braid Outer Conductor

### TECHNICAL DATA SHEET

PE-SR047FL

**Shield:**

Number of  
Material 1

1

Tinned Copper Braid

**Jacket:**

Diameter, in [mm]

0.047 [1.19]

**Compliance Certifications** (visit [www.Pasternack.com](http://www.Pasternack.com) for current document)

RoHS Compliant

Yes

**Plotted and Other Data**

Notes:

Values at 25 °C, sea level

Formable 047 Semi-rigid Coax Cable with Tinned Copper Braid Outer Conductor from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and fiber optic products maintain a 99% 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: [Formable 047 Semi-rigid Coax Cable with Tinned Copper Braid Outer Conductor PE-SR047FL](http://www.pasternack.com/formable-0.047-semirigid-replacement-50-ohm-coax-cable-tinned-braid-pe-sr047fl-p.aspx)

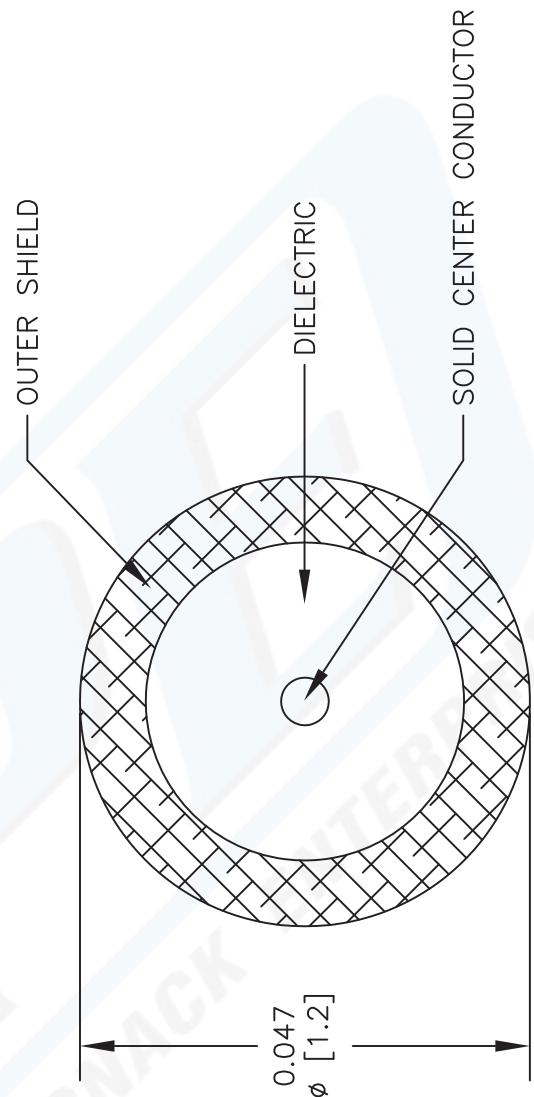
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# PE-SR047FL CAD Drawing

Formable 047 Semi-rigid Coax Cable with Tinned Copper Braid Outer Conductor

**PE-SR047FL**



**PE-SR047FL**

DWG TITLE

**PE-SR047FL**

**PE PASTERNACK**<sup>®</sup>

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FSCM NO.	CAD FILE	SCALE	SIZE	2233
53919	050113	N/A	A	