



1.85mm Female Bulkhead Mount Connector Clamp/  
Solder Attachment for PE-SR405AL, PE-SR405FL, PE-  
SR405FLJ, PE-SR405TN, RG405, .252 inch D Hole

## RF Connectors Technical Data Sheet

PE44802

### Configuration

- 1.85mm Female Connector
- IEEE-STD-P287
- 50 Ohms
- Straight Body Geometry
- PE-SR405AL, PE-SR405FL, PE-SR405FLJ, PE-SR405TN, RG405 Interface Type
- Clamp/Solder Attachment
- Bulkhead

### Features

- Max. Operating Frequency 60 GHz
- Good VSWR of 1.35:1
- Gold over Nickel Plated Beryllium Copper Contact
- 50  $\mu$ m minimum contact plating

### Applications

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

### Description

Pasternack's PE44802 1.85mm female bulkhead connector with clamp/solder attachment for PE-SR405AL, PE-SR405FL, PE-SR405FLJ, PE-SR405TN and RG405 (.252 inch D hole) is part of our full line of RF components available for same-day shipping. Our 1.85mm female connector operates up to a maximum frequency of 60 GHz and offers good VSWR of 1.35:1. This 1.85mm 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 1.85mm female bulkhead connector PE44802 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		60	GHz
VSWR			1.35:1	

### Mechanical Specifications

<b>Size</b>	
Length	0.965 in [24.51 mm]
Width/Dia.	0.375 in [9.53 mm]
Weight	0.018 lbs [8.16 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [1.85mm Female Bulkhead Mount Connector Clamp/Solder Attachment for PE-SR405AL, PE-SR405FL, PE-SR405FLJ, PE-SR405TN, RG405, .252 inch D Hole PE44802](#)



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PE44802

### Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold over Nickel 50 µin minimum
Insulation	PEI	
Body	Passivated Stainless Steel	SAE-AMS-2700

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

### Plotted and Other Data

Notes:

1.85mm Female Bulkhead Mount Connector Clamp/Solder Attachment for PE-SR405AL, PE-SR405FL, PE-SR405FLJ, PE-SR405TN, RG405, .252 inch D Hole from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

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URL: <https://www.pasternack.com/1.85mm-female-standard-pe-sr405al-pe-sr405fl-pe-sr405flj-rg405-connector-pe44802-p.aspx>

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**DWG TITLE**

**PE44802**

FSCM NO. 53919

CAD FILE 042313

**SIZE A**

2233

**PE PASTERNAK®**  
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### Plotted and Other Data

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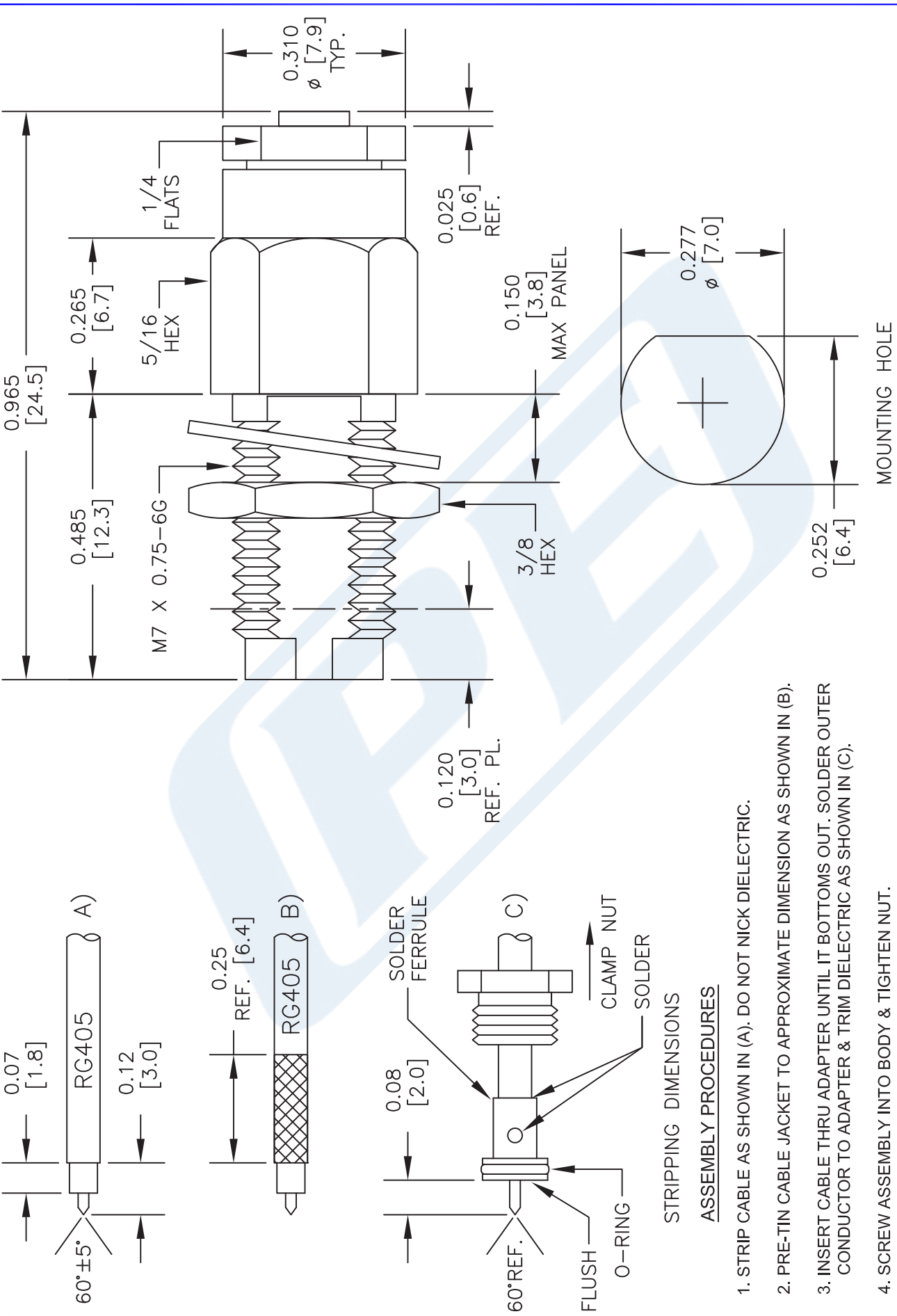
URL: <https://www.pasternack.com/1.85mm-female-standard-pe-sr405al-pe-sr405fl-pe-sr405flj-rg405-connector-pe44802-p.aspx>

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# PE44802 CAD Drawing

1.85mm Female Bulkhead Mount Connector Clamp/Solder Attachment for PE-SR405AL, PE-SR405FL, PE-SR405FLJ, PE-SR405TN, RG405, .252 inch D 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  
**PE44802**

FSCM NO. 53919

2233

SIZE A

SCALE N/A

CAD FILE 042313

SCALE N/A

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086 Semi-rigid Coax Cable with Tinned  
Aluminum Outer Conductor

TECHNICAL DATA SHEET

PE-SR405AL

086 Semi-rigid Coax Cable with Tinned Aluminum Outer Conductor

**Configuration**

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

**Electrical Specifications**

Impedance, Ohms	50
Maximum Operating Frequency, GHz	40
Dielectric Withstanding Voltage, Vrms	5,000

**Electrical Specifications by Frequency**

**Frequency 1**

Frequency, MHz	1000
Attenuation, dB/100ft [dB/100m]	23 [75.46]
Power Handling, Watts	130

**Frequency 2**

Frequency, GHz	10
Attenuation, dB/100ft [dB/100m]	81 [265.75]
Power Handling, Watts	35

**Frequency 3**

Frequency, GHz	20
Attenuation, dB/100ft [dB/100m]	131 [429.79]
Power Handling, Watts	20

**Mechanical Specifications**

**Temperature**

Operating Range, deg C	-55 to +125
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**Inner Conductor**

Number of Strands	1
Material	Copper Clad Steel
Plating	Silver
Diameter, in [mm]	0.02 [0.51]

**Dielectric:**

Type	PTFE
Diameter, in [mm]	0.066 [1.68]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [086 Semi-rigid Coax Cable with Tinned Aluminum Outer Conductor PE-SR405AL](#)

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## 086 Semi-rigid Coax Cable with Tinned Aluminum Outer Conductor

### TECHNICAL DATA SHEET

**PE-SR405AL****Shield:**

Number of	1
Material 1	Tinned Aluminum
Diameter, in [mm]	0.086 [2.18]

**Jacket:**

Weight, lbs/ft [Kg/m]	0.008 [0.01]
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**Compliance Certifications** (visit [www.Pasternack.com](http://www.Pasternack.com) for current document)

**Plotted and Other Data**

Notes: Values at 25 °C, sea level

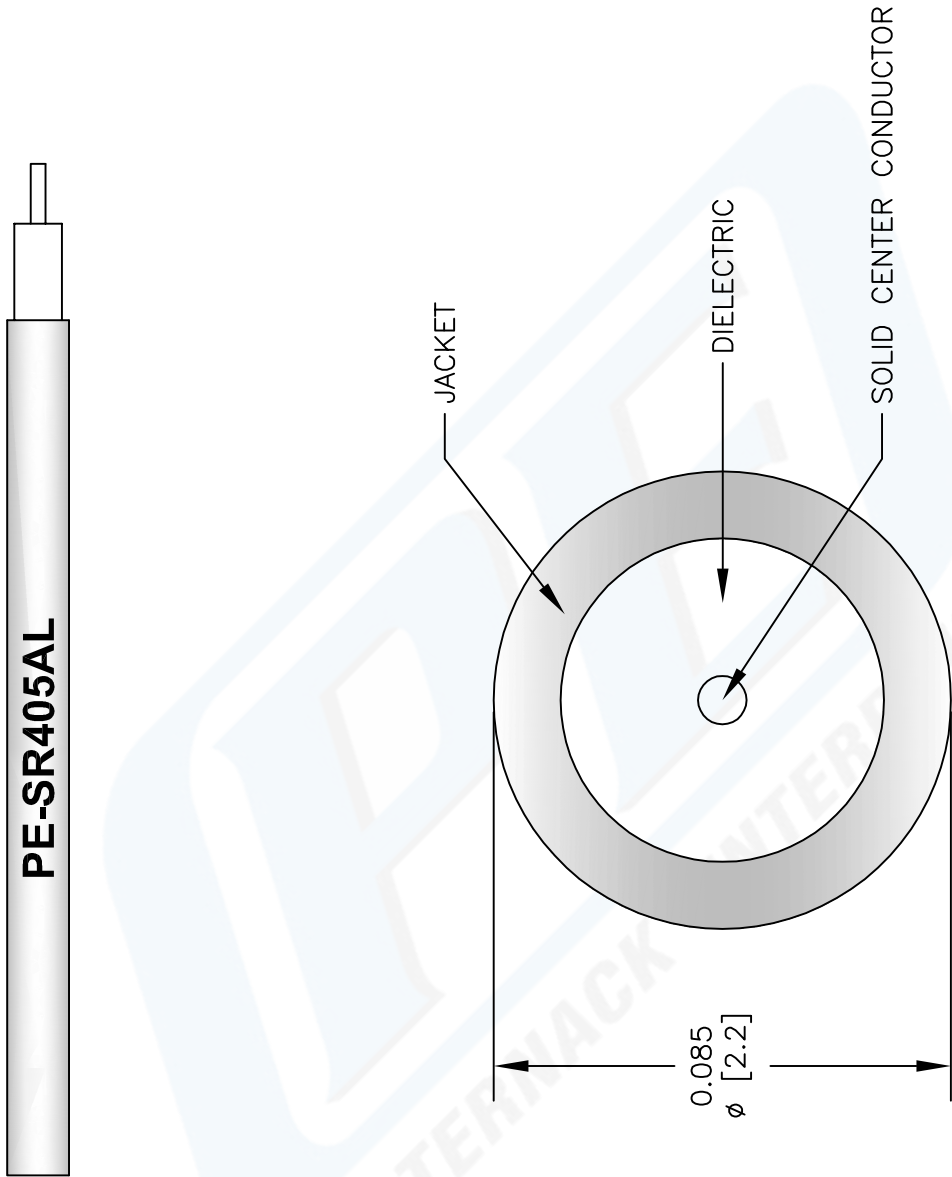
086 Semi-rigid Coax Cable with Tinned Aluminum Outer Conductor from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and fiber optic products maintain a 99% availability and are part of the broadest selection in the industry.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [086 Semi-rigid Coax Cable with Tinned Aluminum Outer Conductor PE-SR405AL](#)

URL: <http://www.pasternack.com/semirigid-0.085-50-ohm-coax-cable-tinned-aluminum-pe-sr405al-p.aspx>

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DWG TITLE		CAD FILE		SCALE	SIZE
PE-SR405AL		022808-A		N/A	A
REV. A	FSCM NO. 53919			147	



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