



TNC Female Bulkhead Mount Connector Solder Attachment for PE-SR405AL, PE-SR405FL, PE-SR405FLJ, RG405, .480 inch D Hole

## RF Connectors Technical Data Sheet

PE4147

### Configuration

- TNC Female Connector
- MIL-STD-348
- 50 Ohms
- Straight Body Geometry
- PE-SR405AL, PE-SR405FL, PE-SR405FLJ, RG405 Interface Type
- Solder/Solder Attachment
- Bulkhead

### Features

- Gold Plated Contact
- Contact plating according to MIL-G-45204

### Applications

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

### Description

Pasternack's PE4147 TNC female bulkhead connector with solder/solder attachment for PE-SR405AL, PE-SR405FL, PE-SR405FLJ and RG405 (.480 inch D hole) is part of our full line of RF components available for same-day shipping. 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 PE4147 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.

### Mechanical Specifications

#### Size

|            |                     |
|------------|---------------------|
| Length     | 1.18 in [29.97 mm]  |
| Width/Dia. | 0.75 in [19.05 mm]  |
| Weight     | 0.055 lbs [24.95 g] |

#### Material Specifications

| Description | Material                   | Plating             |
|-------------|----------------------------|---------------------|
| Contact     |                            | Gold<br>MIL-G-45204 |
| Insulation  | PTFE                       |                     |
| Body        | Passivated Stainless Steel | QQ-P-35             |

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 Solder Attachment for PE-SR405AL, PE-SR405FL, PE-SR405FLJ, RG405, .480 inch D Hole PE4147](#)



TNC Female Bulkhead Mount Connector Solder Attachment for PE-SR405AL, PE-SR405FL, PE-SR405FLJ, RG405, .480 inch D Hole

## RF Connectors Technical Data Sheet

PE4147

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

### Plotted and Other Data

Notes:

TNC Female Bulkhead Mount Connector Solder Attachment for PE-SR405AL, PE-SR405FL, PE-SR405FLJ, RG405, .480 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.

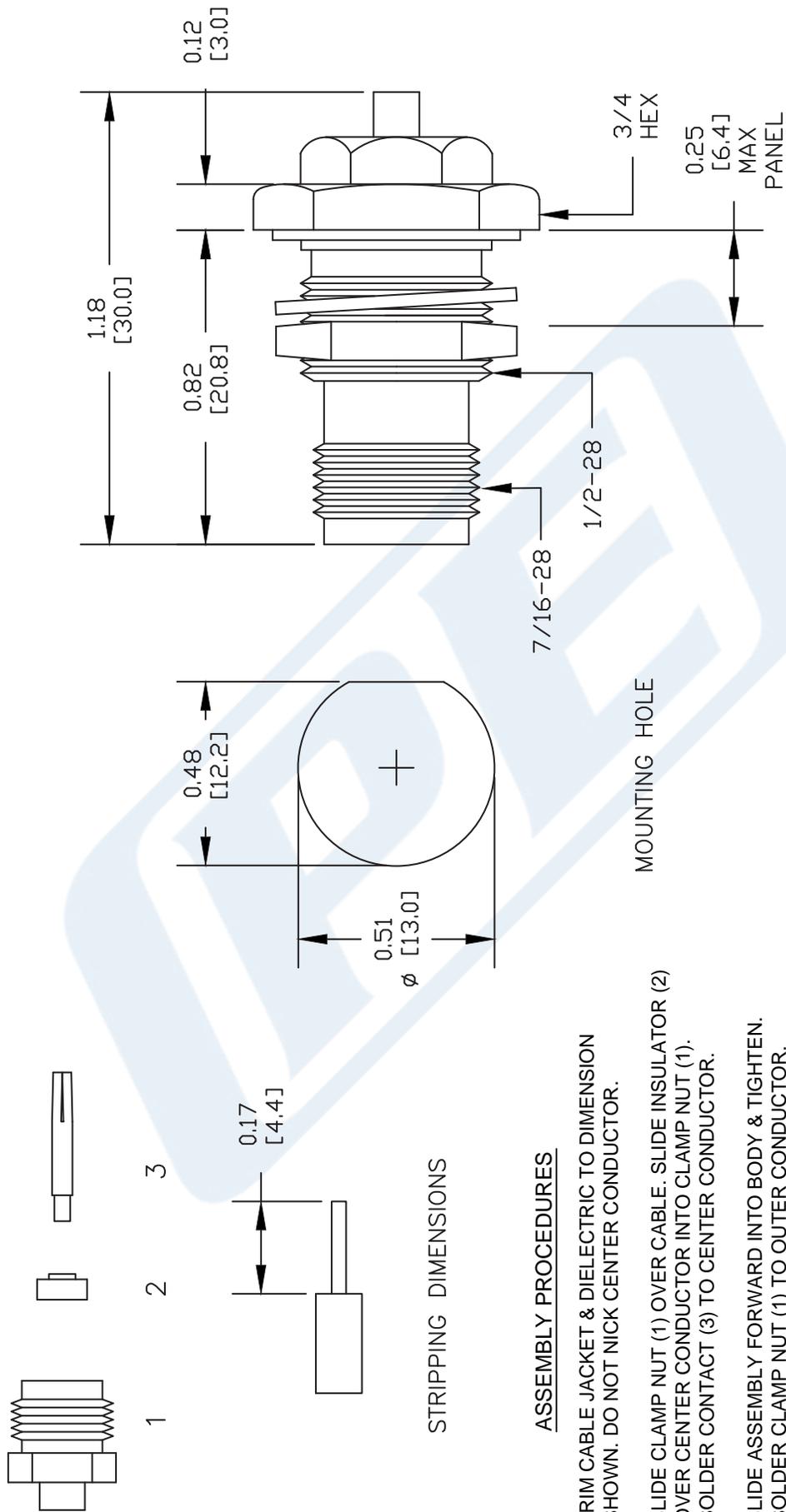
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [TNC Female Bulkhead Mount Connector Solder Attachment for PE-SR405AL, PE-SR405FL, PE-SR405FLJ, RG405, .480 inch D Hole PE4147](#)

URL: <https://www.pasternack.com/tnc-female-standard-pe-sr405al-pe-sr405fl-rg405-connector-pe4147-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.

# PE4147 CAD Drawing

TNC Female Bulkhead Mount Connector Solder Attachment for PE-SR405AL, PE-SR405FL, PE-SR405FLJ, RG405, .480 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  
**PE4147**

**PE PASTERNAK®**  
 Pasternack Enterprises, Inc.  
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 Website: www.pasternack.com | E-Mail: sales@pasternack.com

|        |                |                 |           |        |     |
|--------|----------------|-----------------|-----------|--------|-----|
| REV. A | FSCM NO. 53919 | CAD FILE 042210 | SCALE N/A | SIZE A | 147 |
|--------|----------------|-----------------|-----------|--------|-----|



## SMA Male Connector Solder Attachment for PE-SR405AL, PE-SR405FL, RG405

### RF Connectors Technical Data Sheet

PE4005

#### Configuration

- SMA Male Connector
- MIL-STD-348A
- 50 Ohms
- Straight Body Geometry
- PE-SR405AL, PE-SR405FL, RG405 Interface Type
- Solder/Solder Attachment
- 5/16 inch Hex

#### Features

- Max. Operating Frequency 18 GHz
- Good VSWR of 1.5:1
- Gold Plated Brass Contact
- 50 µin minimum contact plating

#### Applications

- General Purpose Test
- Custom Cable Assemblies

#### Description

Pasternack's PE4005 SMA male connector with solder/solder attachment for PE-SR405AL, PE-SR405FL and RG405 is part of our full line of RF components available for same-day shipping. Our SMA male connector operates up to a maximum frequency of 18 GHz and offers good VSWR of 1.5:1.

Our SMA male connector PE4005 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      |         | 18      | GHz   |
| VSWR                   |         |         | 1.5:1   |       |
| Operating Voltage (AC) |         |         | 335     | Vrms  |

#### Mechanical Specifications

##### Size

|               |                                 |
|---------------|---------------------------------|
| Length        | 0.406 in [10.31 mm]             |
| Width/Dia.    | 0.315 in [8.00 mm]              |
| Weight        | 0.011 lbs [4.99 g]              |
| Mating Cycles | 500 Cycles                      |
| Mating Torque | 3 to 5 in-lbs [0.34 to 0.57 Nm] |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Male Connector Solder Attachment for PE-SR405AL, PE-SR405FL, RG405 PE4005](#)



SMA Male Connector Solder Attachment for PE-SR405AL, PE-SR405FL, RG405

RF Connectors Technical Data Sheet

PE4005

**Material Specifications**

| Description  | Material        | Plating                   |
|--------------|-----------------|---------------------------|
| Contact      | Brass           | Gold<br>50 µin minimum    |
| Insulation   | PTFE            |                           |
| Body         | Stainless Steel | Gold<br>10 µin minimum    |
| Coupling Nut | Brass           | Nickel<br>100 µin minimum |

**Environmental Specifications**

**Temperature**

Operating Range

-65 to +165 deg C

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

**Plotted and Other Data**

Notes:

SMA Male Connector Solder Attachment for PE-SR405AL, PE-SR405FL, RG405 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.

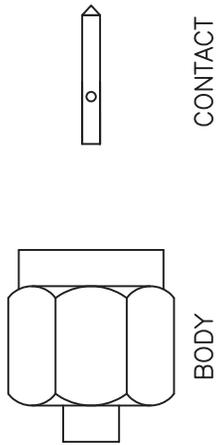
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Male Connector Solder Attachment for PE-SR405AL, PE-SR405FL, RG405 PE4005](#)

URL: <https://www.pasternack.com/sma-male-pe-sr405al-pe-sr405fl-pe-sr405flj-pe-sr405tn-rg405-connector-pe4005-p.aspx>

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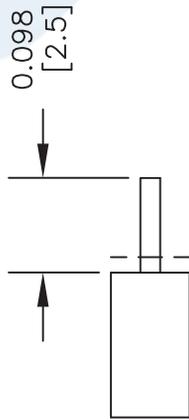
# PE4005 CAD Drawing

SMA Male Connector Solder Attachment for PE-SR405AL, PE-SR405FL, RG405

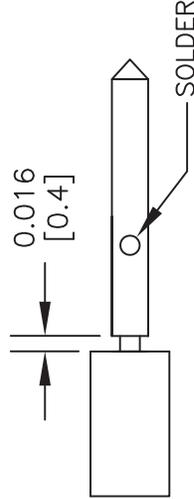


### ASSEMBLY PROCEDURES

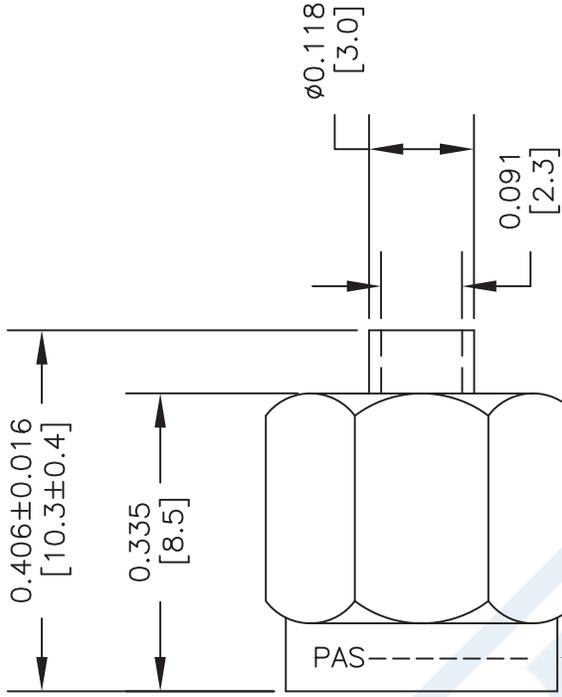
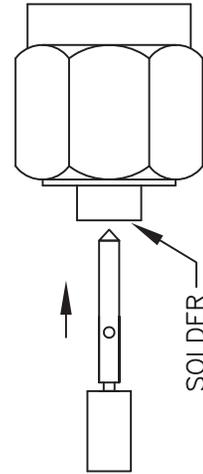
1. STRIP CABLE AS SHOWN. DO NOT NICK CENTER CONDUCTOR.



2. PLACE CONTACT OVER CENTER CONDUCTOR AS SHOWN. SOLDER CONTACT TO CENTER CONDUCTOR AS SHOWN.



3. INSERT CABLE AND CONTACT INTO CONNECTOR BODY UNTIL FULLY ENGAGED. SOLDER BODY TO CABLE.



| STANDARD TOLERANCES |       |
|---------------------|-------|
| .X                  | ±0.2  |
| .XX                 | ±0.1  |
| .XXX                | ±0.05 |

\*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES

### NOTES:

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DWG TITLE

**PE4005**

FSCM NO. 53919

CAD FILE 071316

SCALE N/A

SIZE A

2233

**PE PASTERNAK**  
THE ENGINEER'S RF SOURCE

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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 |
|------------------------|-------------|

###### 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] |
|-----------------------|--------------|

**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.

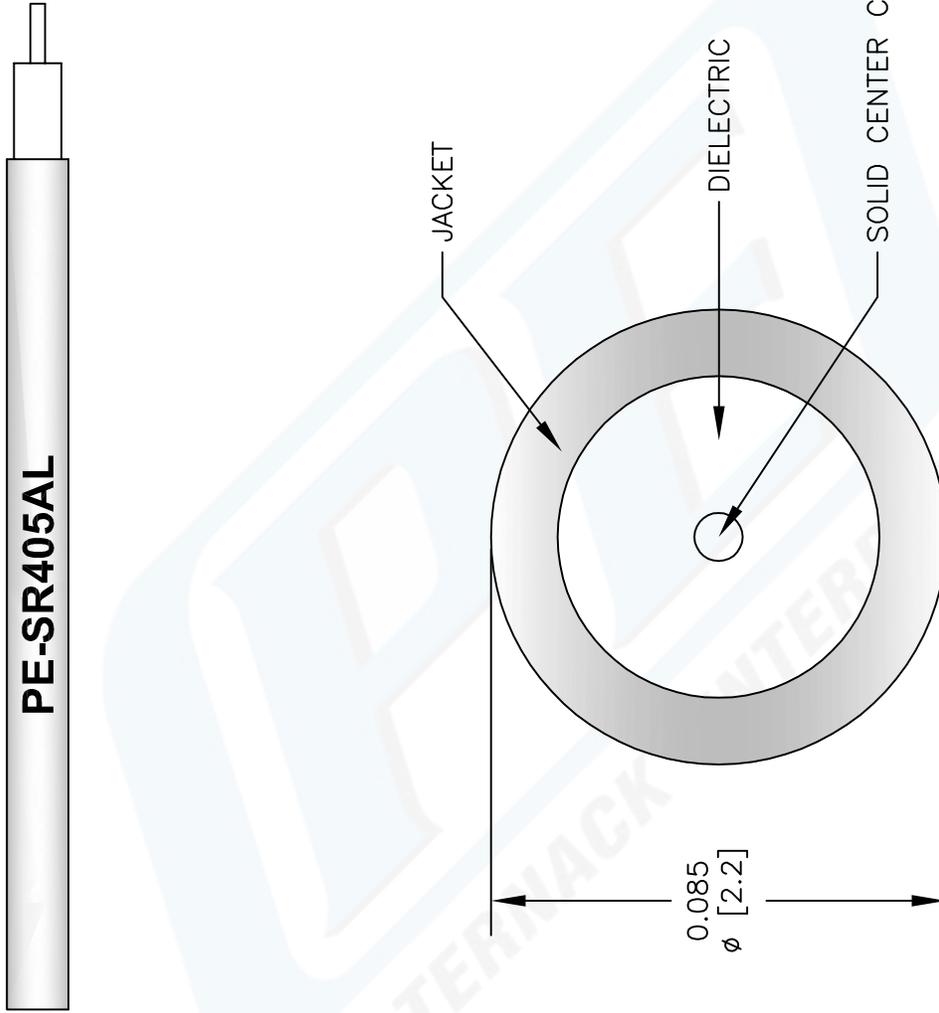
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [086 Semi-rigid Coax Cable with Tinned Aluminum Outer Conductor PE-SR405AL](#)

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

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# PE-SR405AL CAD Drawing

086 Semi-rigid Coax Cable with Tinned Aluminum Outer Conductor



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DWG TITLE  
**PE-SR405AL**

REV. A | FSCM NO. 53919

CAD FILE 022808-A | SCALE N/A | SIZE A | 147

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