PASTERNACK®
THE ENGINEER'S RF SOURCE

# 1.0/2.3 Jack Bulkhead Mount Connector Solder Attachment for PE-SR405AL, PE-SR405FL, RG405, .235 inch D Hole



RF Connectors Technical Data Sheet PE44256

## Configuration

- 1.0/2.3 Jack Connector
- 50 Ohms
- Straight Body Geometry
- PE-SR405AL, PE-SR405FL, RG405 Interface Type
- Solder/Solder Attachment
- Bulkhead

## Features

- Gold Plated Beryllium Copper Contact
- 30 µin minimum contact plating

## Applications

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

### Description

Pasternack's PE44256 1.0/2.3 jack bulkhead connector with solder/solder attachment for PE-SR405AL, PE-SR405FL and RG405 (.235 inch D hole) is part of our full line of RF components available for same-day shipping. This 1.0/2.3 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 1.0/2.3 jack bulkhead connector PE44256 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 | 0.984 in [24.99 mm] |
| Width/Dia. | 0.433 in [11.00 mm] |
| Weight | 0.013 lbs [5.9 g] |

**Material Specifications**

| Description | Material | Plating |
|---|---|---|
| Contact | Beryllium Copper | Gold<br>30 µin minimum |
| Insulation | PTFE | |
| Body | Brass | Gold<br>3 µin minimum |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: 1.0/2.3 Jack Bulkhead Mount Connector Solder Attachment for PE-SR405AL, PE-SR405FL, RG405, .235 inch D Hole PE44256

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## RF Connectors Technical Data Sheet PE44256

**Compliance Certifications** (see product page for current document)

**Plotted and Other Data**

Notes:

1.0/2.3 Jack Bulkhead Mount Connector Solder Attachment for PE-SR405AL, PE-SR405FL, RG405, .235 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: 1.0/2.3 Jack Bulkhead Mount Connector Solder Attachment for PE-SR405AL, PE-SR405FL, RG405, .235 inch D Hole PE44256

URL: https://www.pasternack.com/1.0-2.3-jack-standard-pe-sr405al-pe-sr405fl-rg405-connector-pe44256-p.aspx

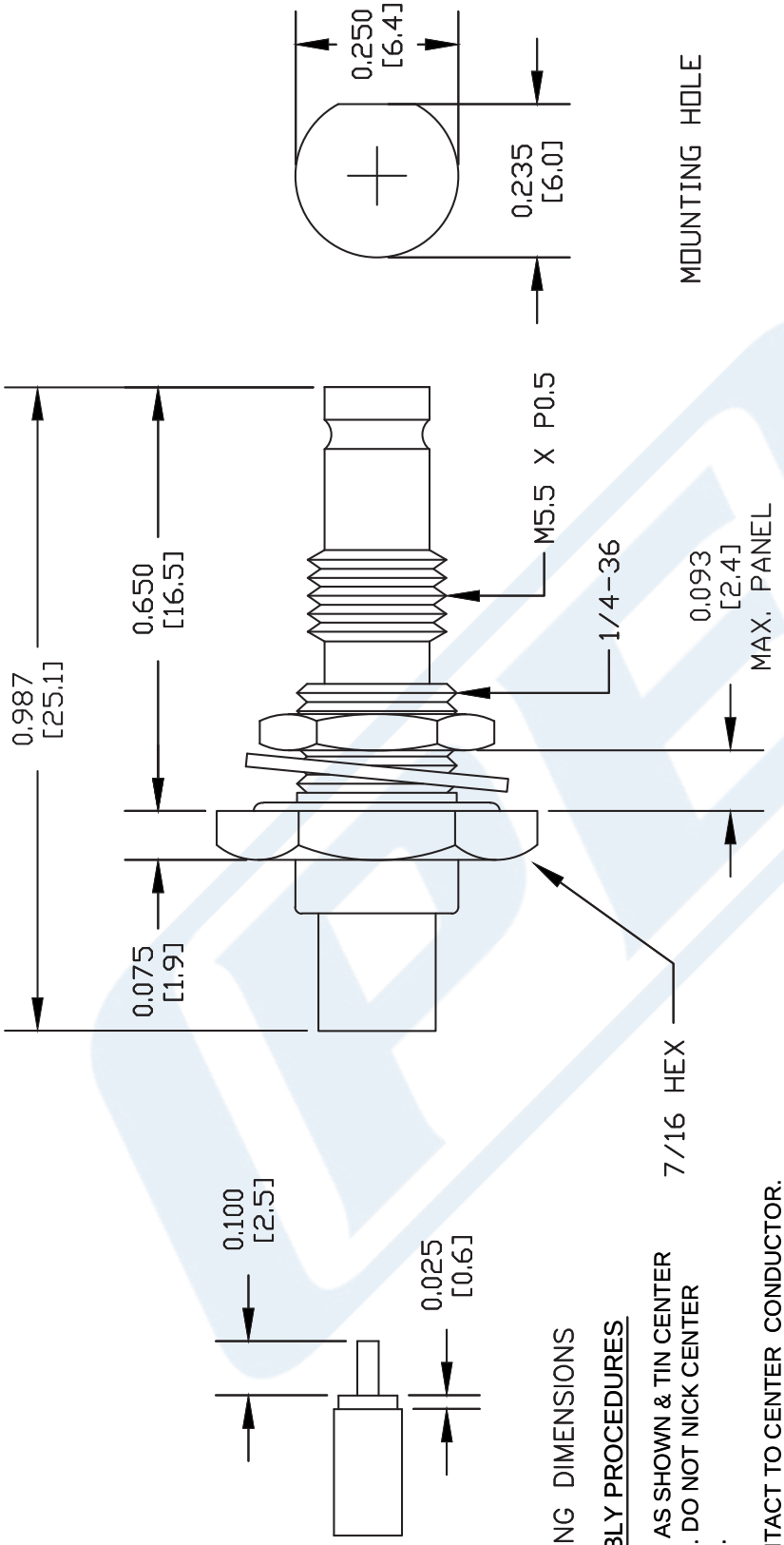
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# PE44256 CAD Drawing

1.0/2.3 Jack Bulkhead Mount Connector Solder Attachment for PE-SR405AL, PE-SR405FL, RG405, .235 inch D Hole




STRIPPING DIMENSIONS

ASSEMBLY PROCEDURES

1. STRIP CABLE AS SHOWN & TIN CENTER CONDUCTOR. DO NOT NICK CENTER CONDUCTOR.
2. SOLDER CONTACT TO CENTER CONDUCTOR.
3. INSERT CABLE INTO BODY UNTIL OUTER CONDUCTOR BOTTOMS OUT. 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 | CAD FILE | SCALE | SIZE |
|---|---|---|---|
| PE44256 | 080702 | N/A | A |

FSCM NO. 53919

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# 1.85mm Male Connector Clamp/Solder Attachment for PE-P086, PE-P086LL

## RF Connectors Technical Data Sheet PE45005

## Configuration

- 1.85mm Male Connector
- 50 Ohms
- Straight Body Geometry
- PE-P086, PE-P086LL Interface Type
- Clamp/Solder Attachment
- 5/16 inch Hex

## Features

- Gold over Nickel Plated Beryllium Copper Contact
- 50 µin minimum contact plating

## Applications

- General Purpose Test
- Custom Cable Assemblies

### Description

Pasternack's PE45005 1.85mm male connector with clamp/solder attachment for PE-P086 and PE-P086LL is part of our full line of RF components available for same-day shipping.

Our 1.85mm male connector PE45005 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 | 0.915 in [23.24 mm] |
| Width/Dia. | 0.375 in [9.53 mm] |
| Weight | 0.018 lbs [8.16 g] |

**Material Specifications**

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

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: 1.85mm Male Connector Clamp/Solder Attachment for PE-P086, PE-P086LL PE45005

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# 1.85mm Male Connector Clamp/Solder Attachment for PE-P086, PE-P086LL



**Compliance Certifications** (see product page for current document)

**Plotted and Other Data**

Notes:

1.85mm Male Connector Clamp/Solder Attachment for PE-P086, PE-P086LL 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: 1.85mm Male Connector Clamp/Solder Attachment for PE-P086, PE-P086LL PE45005

URL: https://www.pasternack.com/1.85mm-male-standard-pe-p086-connector-pe45005-p.aspx

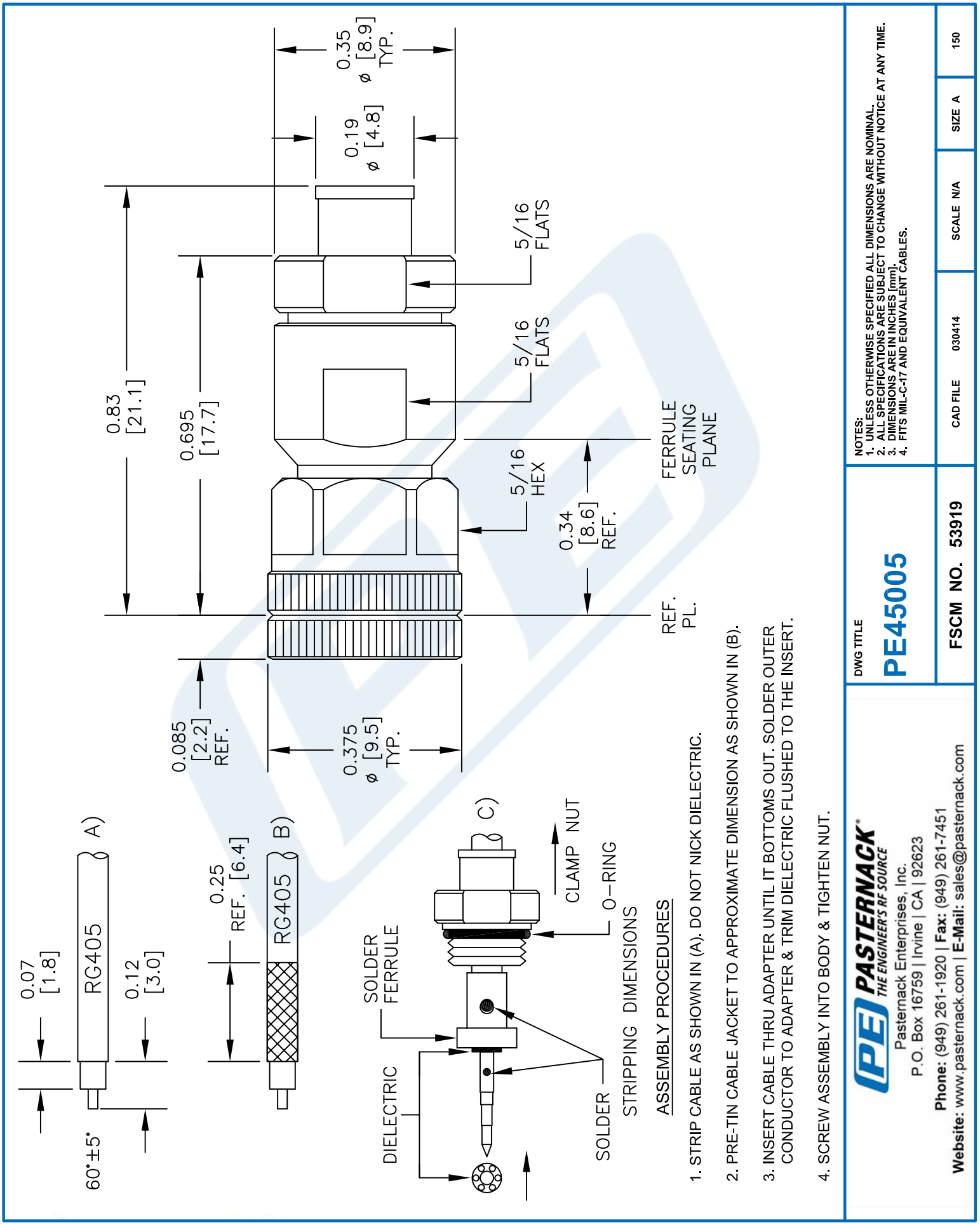
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# PE45005 CAD Drawing

1.85mm Male Connector Clamp/Solder Attachment for PE-P086, PE-P086LL




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# Flexible PE-P086HF Coax Cable Double Shielded with Blue FEP Jacket

## RF Cables Technical Data Sheet PE-P086HF

### Configuration

- Flexible Cable
- 2 Shield(s)

### Description

Pasternack's PE-P086HF is a flexible, high frequency coaxial cable that provides similar loss characteristics to semi-rigid cable and low VSWR of 1.3:1 maximum up to 40 GHz. The low loss coax cable features silver-plated conductors and dual shields to maintain a shielding effectiveness of 110 dB. The size of the conductors for this low VSWR coax was specifically chosen to allow termination with standard connectors designed for M17/133-RG405 and other M17/133 cables. The outer shield is coated with a tough, chemical and heat resistant jacket. This PE-P086HF flexible low loss coaxial cable is a great choice for short length, high frequency system hook-up or jumper cable applications. The Pasternack coax cable can also be used as a replacement option for bent semi-rigid cable assemblies when length and routing are considered.

### Electrical Specifications

| Description | Minimum | Typical | Maximum | Units |
|---|---|---|---|---|
| Frequency Range | DC | | 40 | GHz |
| Impedance | | 50 ±2 | | Ohms |
| Velocity of Propagation | | 70 | | % |
| Nominal Capacitance | | 29.4 [96.46] | | pF/ft [pF/m] |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: Flexible PE-P086HF Coax Cable Double Shielded with Blue FEP Jacket PE-P086HF

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# Flexible PE-P086HF Coax Cable Double Shielded with Blue FEP Jacket

## RF Cables Technical Data Sheet PE-P086HF

### Performance by Frequency Band

| Description | F1 | F2 | F3 | F4 | F5 | Units |
|---|---|---|---|---|---|---|
| Frequency | 0.4 | 1 | 2 | 2.4 | 3 | GHz |
| Attenuation, Max | 13.1 | 21.1 | 30.5 | 33.7 | 38 | dB/100ft |
| | 42.98 | 69.23 | 100.07 | 110.56 | 124.67 | dB/100m |
| Attenuation, Typ | 11.9 | 19.2 | 27.7 | 30.6 | 34.5 | dB/100ft |
| | 39.04 | 62.99 | 90.88 | 100.39 | 113.19 | dB/100m |

| Description | F6 | F7 | F8 | F9 | F10 | Units |
|---|---|---|---|---|---|---|
| Frequency | 5 | 10 | 18 | 40 | | GHz |
| Attenuation, Max | 50.3 | 74.3 | 104.6 | 170.3 | | dB/100ft |
| | 165.03 | 243.77 | 343.18 | 558.73 | | dB/100m |
| Attenuation, Typ | 45.7 | 67.5 | 95.1 | 154.8 | | dB/100ft |
| | 149.93 | 221.46 | 312.01 | 507.87 | | dB/100m |

### Mechanical Specifications

| | |
|---|---|
| Diameter | 0.104 in [2.64 mm] |
| Weight | 0.013 lbs/ft [0.02 Kg/m] |
| Min. Bend Radius (Installation) | 0.52 in [13.21 mm] |

### Construction Specifications

| Description | Material and Plating | Diameter |
|---|---|---|
| Inner Conductor | Copper Clad Steel, Silver, 1 Strands | 0.02 in [0.51 mm] |
| Conductor Type | Solid | |
| Dielectric | PTFE | 0.064 in [1.63 mm] |
| First Shield | Silver Plated Copper Tape | |
| Second Shield | Silver Plated Copper Braid | |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: Flexible PE-P086HF Coax Cable Double Shielded with Blue FEP Jacket PE-P086HF

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# Flexible PE-P086HF Coax Cable Double Shielded with Blue FEP Jacket

## RF Cables Technical Data Sheet PE-P086HF

| | | |
|---|---|---|
| Jacket | FEP, Blue | 0.104 in [2.64 mm] |

### Environmental Specifications

**Temperature**

| | |
|---|---|
| Operating Range | -55 to +200 deg C |

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

### Plotted and Other Data

Notes:

Flexible PE-P086HF 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.

Click the following link (or enter part number in “SEARCH” on website) to obtain additional part information including price, inventory and certifications: Flexible PE-P086HF Coax Cable Double Shielded with Blue FEP Jacket PE-P086HF

URL: https://www.pasternack.com/50-ohm-flexible-invalid-alias-fep-jacket-silver-plated-copper-tape-over-silver-plated-copper-braid-outer-conductor-double-shielded-blue-pe-p086hf-p.aspx

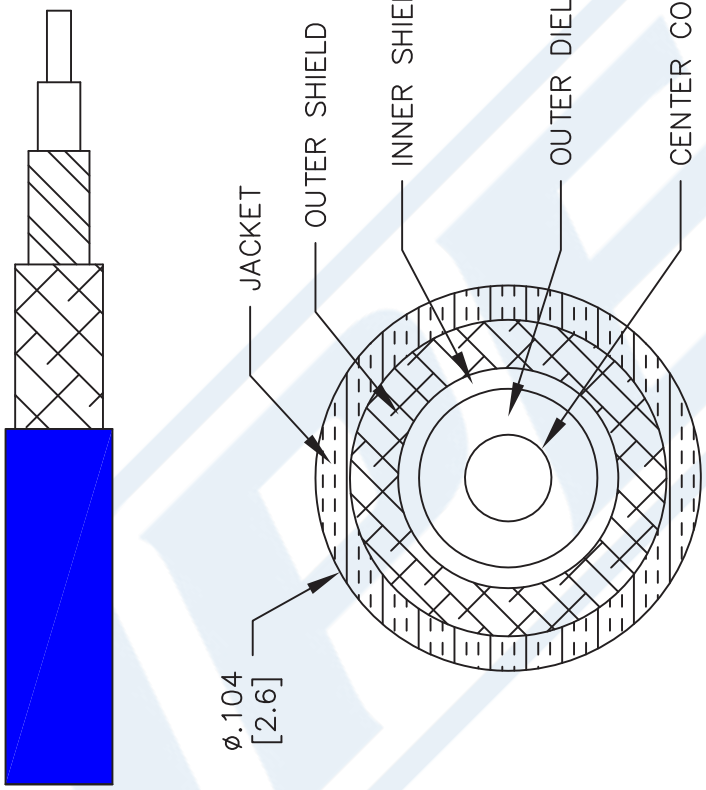
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# PE-P086HF CAD Drawing

Flexible PE-P086HF Coax Cable Double Shielded with Blue FEP Jacket




NOTES:
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3. DIMENSIONS ARE IN INCHES [mm].

DWG TITLE
**PE-P086HF**

CAD FILE 041317 | SCALE N/A | SIZE A | 2233

**CAGE CODE 53919**

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