



SMP Female Connector Solder Attachment for .086 Microporous

TECHNICAL DATA SHEET

PE44917

**Configuration**

|                                    |                  |
|------------------------------------|------------------|
| Connector                          | SMP Female       |
| Connector Specification            | MIL-STD-348      |
| Connector Interface Type           | .086 Microporous |
| Attachment Method (Shield/Contact) | Solder/Solder    |
| Body Style                         | Straight         |

**Electrical Specifications**

|           |         |
|-----------|---------|
| Impedance | 50 Ohms |
|-----------|---------|

**Mechanical Specifications**

**Size**

|            |                     |
|------------|---------------------|
| Length     | 0.25 in [6.35 mm]   |
| Width/Dia. | 0.134 in [3.40 mm]  |
| Weight     | 0.082 lbs [37.19 g] |

**Connector**

|                               |                        |
|-------------------------------|------------------------|
| Type                          | SMP Female             |
| Contact Material and Plating  | Beryllium Copper, Gold |
| Contact Plating Specification | MIL-G-45204            |
| Body Material and Plating     | Beryllium Copper, Gold |
| Body Plating Specification    | MIL-G-45204            |
| Dielectric Type               | PTFE                   |

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

RoHS Compliant

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMP Female Connector Solder Attachment for .086 Microporous PE44917](#)



## SMP Female Connector Solder Attachment for .086 Microporous

### TECHNICAL DATA SHEET

PE44917

#### Plotted and Other Data

Notes:

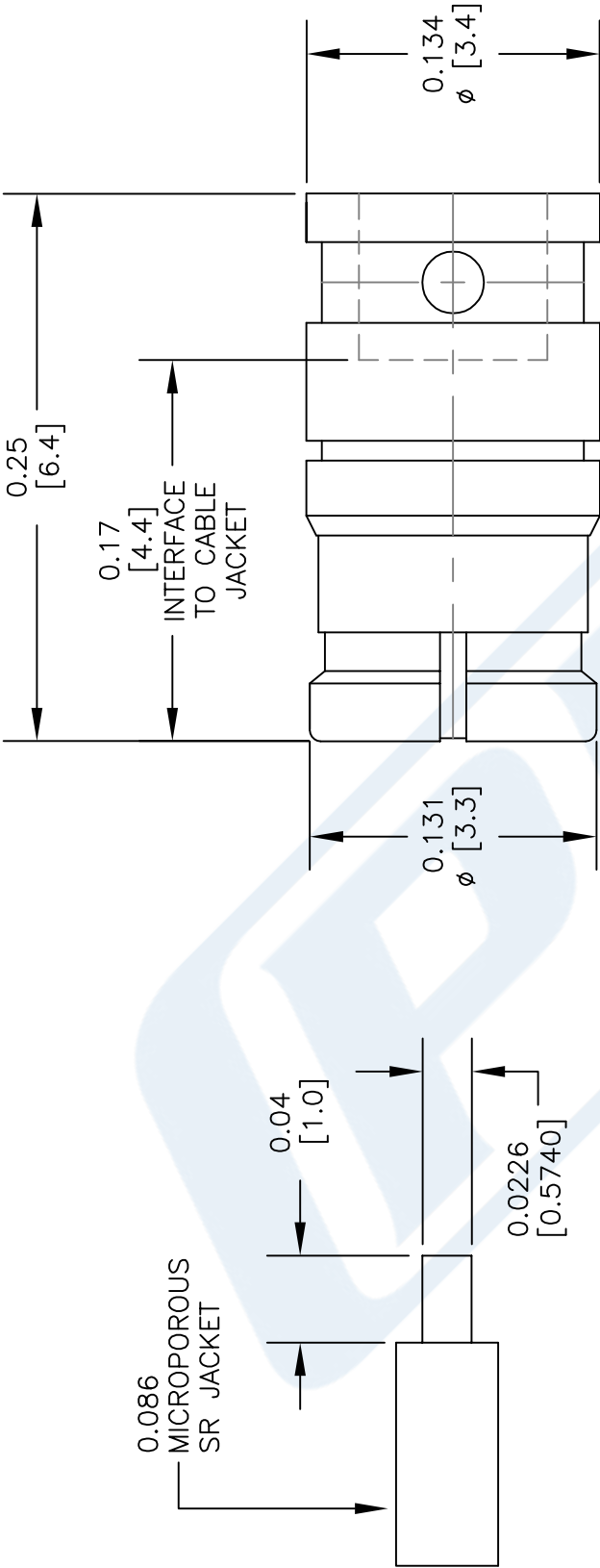
- Values at +25 °C, sea level

SMP Female Connector Solder Attachment for .086 Microporous 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: [SMP Female Connector Solder Attachment for .086 Microporous PE44917](#)

URL: <http://www.pasternack.com/smp-female-standard-.086-microporous-connector-pe44917-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.



STRIPPING DIMENSIONS

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].

|           |          |       |  |
|-----------|----------|-------|--|
| DWG TITLE | PE44917  |       |  |
|           | FSCM NO. | 53919 |  |

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

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)

|          |        |       |     |      |   |     |
|----------|--------|-------|-----|------|---|-----|
| CAD FILE | 032514 | SCALE | N/A | SIZE | A | 150 |
|----------|--------|-------|-----|------|---|-----|



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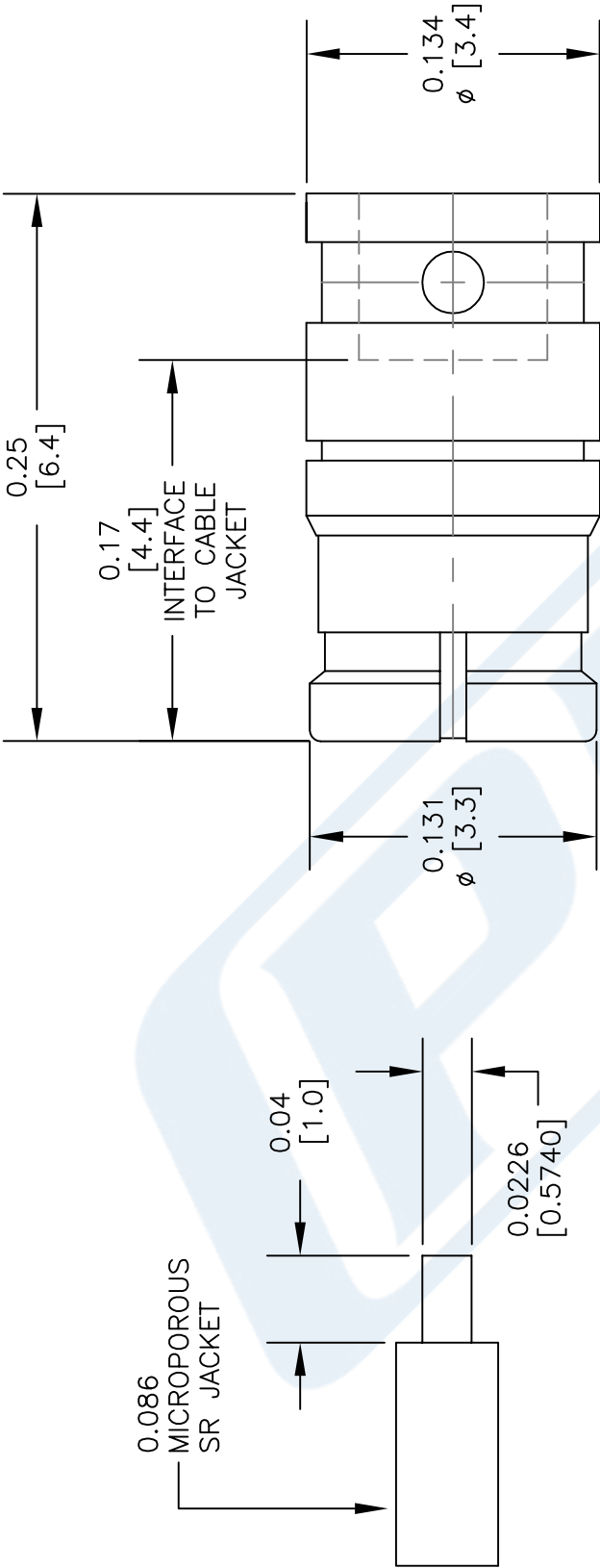
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DWG TITLE  
**PE44917**

FSCM NO. 53919

150

SIZE A

SCALE N/A

CAD FILE 032514

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## Flexible PE-P086 Coax Cable Double Shielded with Blue FEP Jacket

### RF Cables Technical Data Sheet

**PE-P086**

#### Configuration

- Flexible Cable
- 2 Shield(s)

#### Electrical Specifications

| Description             | Minimum | Typical      | Maximum | Units        |
|-------------------------|---------|--------------|---------|--------------|
| Frequency Range         | DC      |              | 18      | GHz          |
| Impedance               |         | 50           |         | Ohms         |
| Velocity of Propagation |         | 70           |         | %            |
| Shielding Effectiveness | 110     |              |         | dB           |
| Nominal Capacitance     |         | 29.4 [96.46] |         | pF/ft [pF/m] |

#### Performance by Frequency Band

| Description      | F1    | F2     | F3     | F4     | F5     | Units    |
|------------------|-------|--------|--------|--------|--------|----------|
| Frequency        | 1     | 2      | 5      | 10     | 18     | GHz      |
| Attenuation, Max | 21.1  | 30.5   | 50.3   | 74.3   | 104.6  | dB/100ft |
|                  | 69.23 | 100.07 | 165.03 | 243.77 | 343.18 | dB/100m  |
| Attenuation, Typ | 19.2  | 27.7   | 45.7   | 67.5   | 95.1   | dB/100ft |
|                  | 62.99 | 90.88  | 149.93 | 221.46 | 312.01 | dB/100m  |

#### Mechanical Specifications

|                             |                          |
|-----------------------------|--------------------------|
| Diameter                    | 0.104 in [2.64 mm]       |
| Weight                      | 0.013 lbs/ft [0.02 Kg/m] |
| Min. Bend Radius (Repeated) | 0.5 in [12.7 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] |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Flexible PE-P086 Coax Cable Double Shielded with Blue FEP Jacket PE-P086](#)

## Flexible PE-P086 Coax Cable Double Shielded with Blue FEP Jacket

### RF Cables Technical Data Sheet

**PE-P086**

|               |                            |                    |
|---------------|----------------------------|--------------------|
| First Shield  | Silver Plated Copper Tape  | 0.071 in [1.8 mm]  |
| Second Shield | Silver Plated Copper Braid | 0.084 in [2.13 mm] |
| 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:

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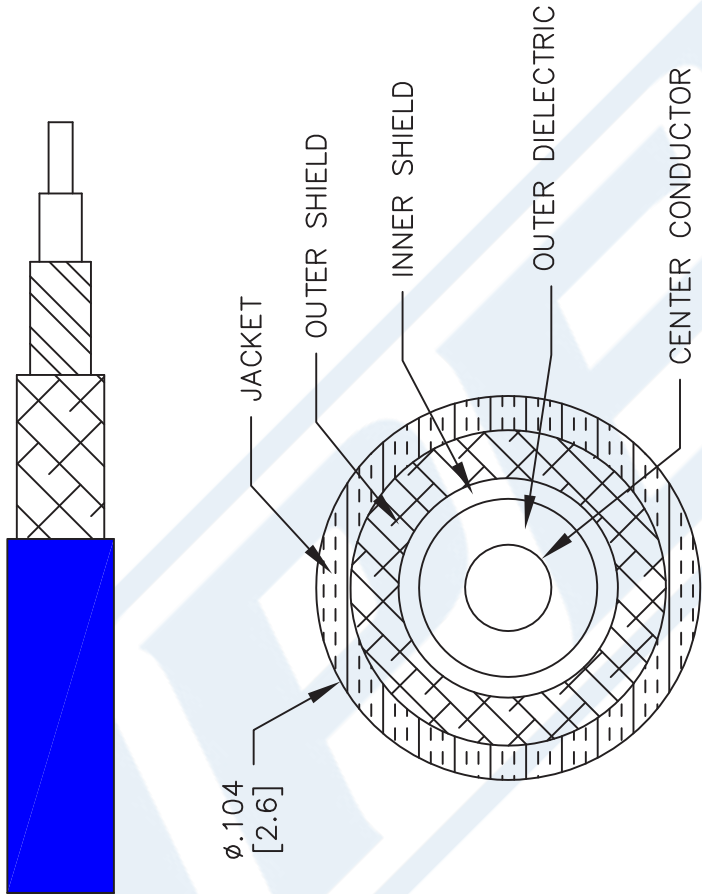
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Flexible PE-P086 Coax Cable Double Shielded with Blue FEP Jacket PE-P086](#)

URL: <https://www.pasternack.com/precision-0.104-semirigid-replacement-50-ohm-coax-cable-fep-jacket-pe-p086-p.aspx>

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PE-P086 CAD Drawing

Flexible PE-P086 Coax Cable Double Shielded with Blue FEP Jacket



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DWG TITLE

PE-P086

FSCM NO. 53919

CAD FILE 111716

SCALE N/A

SIZE A

41742

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