



## SSMB Jack Bulkhead Connector Crimp/Solder Attachment For RG174, RG179, RG316, RG188, .126 inch D Hole

### TECHNICAL DATA SHEET

PE4336

#### SSMB Jack Bulkhead Connector Crimp/Solder Attachment For RG174, RG179, RG316, RG188, .126 inch D Hole

##### Configuration

|                                          |                            |
|------------------------------------------|----------------------------|
| Connector                                | SSMB Jack                  |
| Connector Interface Type                 | RG174, RG179, RG316, RG188 |
| Cable Attachment Method (Shield/Contact) | Crimp/Solder               |
| Body Style                               | Straight                   |
| Mount Method                             | Bulkhead                   |

##### Electrical Specifications

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

##### Mechanical Specifications

###### Size

|                     |              |
|---------------------|--------------|
| Length, in [mm]     | 0.81 [20.57] |
| Width/Dia., in [mm] | 0.188 [5]    |
| Weight, lbs [g]     | 0.004 [1.81] |

###### Connector

|                              |             |
|------------------------------|-------------|
| Type                         | SSMB Jack   |
| Contact Material and Plating | Gold        |
| Body Material and Plating    | Brass, Gold |
| Dielectric Type              | PTFE        |

##### 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 |
|--------|----------------------------|

SSMB Jack Bulkhead Connector Crimp/Solder Attachment For RG174, RG179, RG316, RG188, .126 inch D Hole 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.

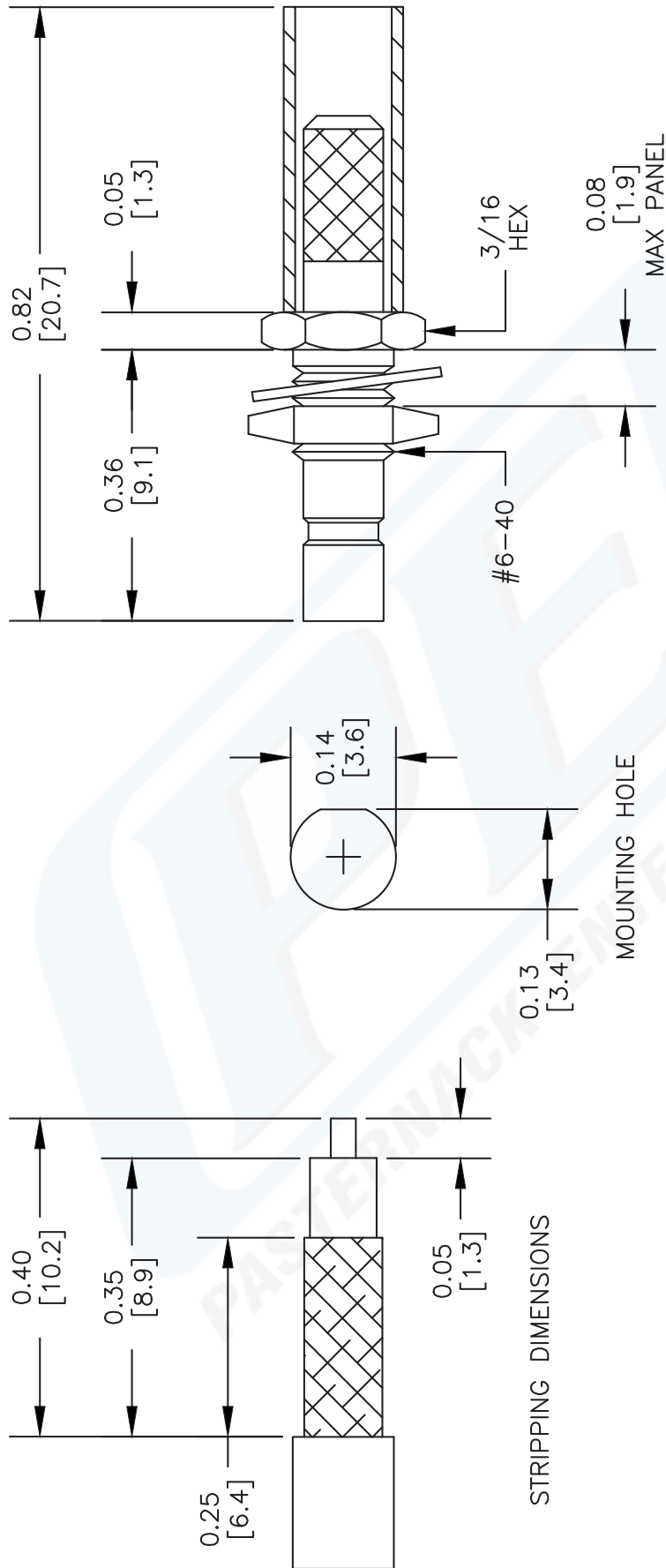
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SSMB Jack Bulkhead Connector Crimp/Solder Attachment For RG174, RG179, RG316, RG188, .126 inch D Hole PE4336](http://www.pasternack.com/ssmb-jack-standard-rg174-rg179-rg316-rg188-connector-pe4336-p.aspx)

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# PE4336 CAD Drawing

SSMB Jack Bulkhead Connector Crimp/Solder Attachment For  
RG174, RG179, RG316, RG188, .126 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  
**PE4336**

**PASTERNAK®**  
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REV. - FSCM NO. 53919 CAD FILE 111802 SCALE N/A SIZE A 2233



SSMA Female Connector Crimp/Solder Attachment for RG174, RG316, RG188, PE-B100, PE-C100, 0.100 inch, LMR-100

## RF Connectors Technical Data Sheet

PE44385

### Configuration

- SSMA Female Connector
- MIL-STD-348
- 50 Ohms
- Straight Body Geometry
- RG174, RG316, RG188, PE-B100, PE-C100, 0.100 inch, LMR-100 Interface Type
- Crimp/Solder Attachment

### Features

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

### Applications

- General Purpose Test
- Custom Cable Assemblies

### Description

Pasternack's PE44385 SSMA female connector with crimp/solder attachment for RG174, RG316, RG188, PE-B100, PE-C100, 0.100 inch and LMR-100 is part of our full line of RF components available for same-day shipping.

Our SSMA female connector PE44385 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     | 0.828 in [21.03 mm] |
| Width/Dia. | 0.25 in [6.35 mm]   |
| Weight     | 0.006 lbs [2.72 g]  |

### Material Specifications

| Description | Material | Plating             |
|-------------|----------|---------------------|
| Contact     |          | Gold<br>MIL-G-45204 |
| Insulation  | PTFE     |                     |
| Body        | Brass    | Nickel<br>QQ-N-290  |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SSMA Female Connector Crimp/Solder Attachment for RG174, RG316, RG188, PE-B100, PE-C100, 0.100 inch, LMR-100 PE44385](#)



SSMA Female Connector Crimp/Solder Attachment for RG174,  
RG316, RG188, PE-B100, PE-C100, 0.100 inch, LMR-100

## RF Connectors Technical Data Sheet

PE44385

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

### Plotted and Other Data

Notes:

SSMA Female Connector Crimp/Solder Attachment for RG174, RG316, RG188, PE-B100, PE-C100, 0.100 inch, LMR-100 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/ssma-female-standard-rg174-rg316-rg188-connector-pe44385-p.aspx>

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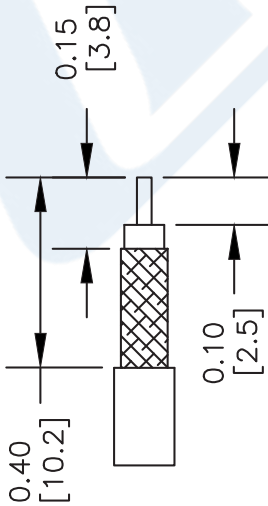
PE44385 CAD Drawing

SSMA Female Connector Crimp/Solder Attachment for RG174,  
RG316, RG188, PE-B100, PE-C100, 0.100 inch, LMR-100

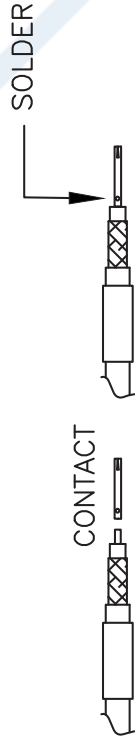
ASSEMBLY INSTRUCTIONS



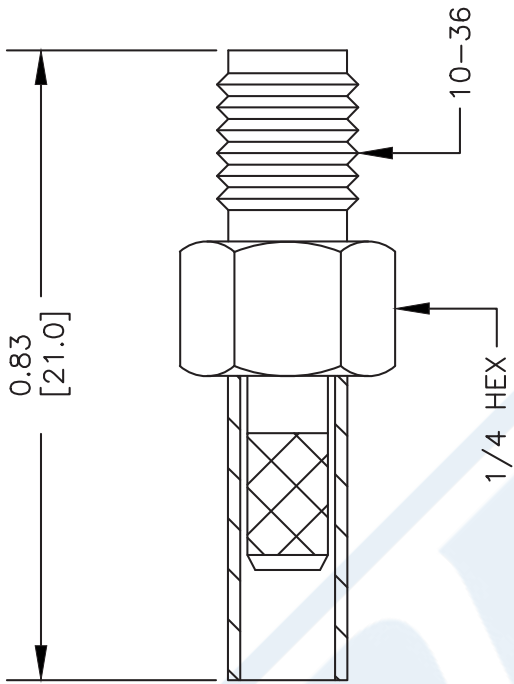
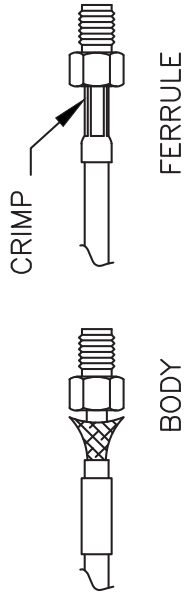
1. STRIP CABLE AS SHOWN.



2. SLIDE FERRULE OVER CABLE. SOLDER CONTACT TO CENTER CONDUCTOR.



3. SLIDE CONNECTOR BODY INTO BRAID AND DIELECTRIC SLIDE FERRULE OVER BRAID AND CRIMP IT WITH .128" HEX CRIMP TOOL.



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4. FITS MIL-C-17 AND EQUIVALENT CABLES.

DWG TITLE  
**PE44385**

FSCM NO. 53919

SCALE N/A

SIZE A

2233

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## Low Loss Flexible LMR-100A-PVC Indoor/Outdoor Rated Coax Cable Double Shielded with Black PVC Jacket



### LMR-100A-PVC



### Times Microwave Systems Connector Specification

#### Configuration

- Low Loss, Indoor/Outdoor Flexible Cable
- 2 Shield(s)

#### Features

- Max Operating Frequency of 8 GHz
- Low Loss Cable
- Phase Velocity 66% VoP

#### Applications

- Laboratory Applications
- General Purpose RF Interconnect

#### Description

LMR-100A-PVC part number from Pasternack is a LMR-100A-PVC coax cable that is flexible. Pasternack LMR-100A flexible coax cable is 50 Ohm and has a PE dielectric. Our LMR-100A coax is constructed with a 0.11 jacket made of PVC. LMR-100A coax has a shield count of 2, a RF shielding of 90 dB and the maximum frequency for this Pasternack cable is 8 GHz. LMR-100A coax cable has an attenuation at 1 GHz of 24 dB.

Pasternack LMR-100A-PVC coax cables are part of over 40,000 RF, microwave and millimeter wave components. LMR-100A cables and our other RF parts are available for same day shipping worldwide. Custom RF cable assemblies using LMR-100A or other coax can be built and shipped same day as well.

#### Electrical Specifications

| Description                          | Minimum | Typical       | Maximum | Units        |
|--------------------------------------|---------|---------------|---------|--------------|
| Frequency Range                      | DC      |               | 8       | GHz          |
| Cutoff Frequency                     |         | 90            |         | GHz          |
| Impedance                            |         | 50            |         | Ohms         |
| Velocity of Propagation              |         | 66            |         | %            |
| Time Delay                           |         | 1.54 [5.05]   |         | ns/ft [ns/m] |
| Shielding Effectiveness              | 90      |               |         | dB           |
| Dielectric Withstanding Voltage (DC) |         |               | 500     | Vdc          |
| Jacket Spark                         |         |               | 2,000   | Vrms         |
| Inner Conductor DC Resistance        |         |               | 81      | Ohms/1000ft  |
| Outer Conductor DC Resistance        |         |               | 9.5     | Ohms/1000ft  |
| Nominal Capacitance                  |         | 30.8 [101.05] |         | pF/ft [pF/m] |
| Nominal Inductance                   |         | 0.077 [0.25]  |         | uH/ft [uH/m] |
| Input Power (Peak)                   |         |               | 600     | Watts        |



## Low Loss Flexible LMR-100A-PVC Indoor/Outdoor Rated Coax Cable Double Shielded with Black PVC Jacket



### LMR-100A-PVC

#### Performance by Frequency Band

| Description           | F1   | F2   | F3    | F4    | F5   | Units    |
|-----------------------|------|------|-------|-------|------|----------|
| Frequency             | 50   | 150  | 220   | 450   | 900  | MHz      |
| Attenuation, Typ      | 3.9  | 8.9  | 10.9  | 15.8  | 22.8 | dB/100ft |
|                       | 12.8 | 29.2 | 35.76 | 51.84 | 74.8 | dB/100m  |
| Input Power (CW), Max | 230  | 100  | 83    | 57    | 39   | Watts    |

| Description           | F6    | F7     | F8     | F9     | F10   | Units    |
|-----------------------|-------|--------|--------|--------|-------|----------|
| Frequency             | 1.5   | 1.8    | 2      | 2.5    | 5.8   | GHz      |
| Attenuation, Typ      | 30.1  | 33.2   | 35.2   | 39.8   | 64.1  | dB/100ft |
|                       | 98.75 | 108.92 | 115.49 | 130.58 | 210.3 | dB/100m  |
| Input Power (CW), Max | 29    | 27     | 25     | 22     | 13    | Watts    |

#### Mechanical Specifications

|                                 |                          |
|---------------------------------|--------------------------|
| Diameter                        | 0.11 in [2.79 mm]        |
| Weight                          | 0.009 lbs/ft [0.01 kg/m] |
| Min. Bend Radius (Installation) | 0.25 in [6.35 mm]        |
| Min. Bend Radius (Repeated)     | 1 in [25.4 mm]           |
| Bending Moment                  | 0.1 lbs-ft [0.14 N-m]    |
| Tensile Strength                | 15 lbs [6.8 kg]          |
| Flat Plate Crush                | 10 lbs/in [0.18 kg/mm]   |

#### Construction Specifications

| Description     | Material and Plating        | Diameter           |
|-----------------|-----------------------------|--------------------|
| Inner Conductor | Copper Clad Steel, 1 Strand | 0.018 in [0.46 mm] |
| Conductor Type  | Solid                       |                    |
| Dielectric      | PE                          | 0.06 in [1.52 mm]  |
| First Shield    | Aluminum Tape               |                    |
| Second Shield   | Tinned Copper Braid         |                    |
| Jacket          | PVC, Black                  | 0.11 in [2.79 mm]  |

#### Environmental Specifications

|                    |                 |
|--------------------|-----------------|
| <b>Temperature</b> |                 |
| Operating Range    | -40 to 85 deg C |
| Storage Range      | -70 to 85 deg C |

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

#### Plotted and Other Data

Notes:

## Low Loss Flexible LMR-100A-PVC Indoor/Outdoor Rated Coax Cable Double Shielded with Black PVC Jacket



### LMR-100A-PVC

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URL: <https://www.pasternack.com/50-ohm-low-loss-flexible-lmr-100apvc-jacket-double-shielded-lmr-100a-pvc-p.aspx>

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