# PASTERNACK®
## THE ENGINEER'S RF SOURCE

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

## RF Connectors Technical Data Sheet                    PE4096

### Configuration
- SMB Jack Connector
- 50 Ohms
- Straight Body Geometry
- RG174, RG316, RG188, LMR-100, PE-B100, PE-C100, 0.100 inch Interface Type
- Crimp/Solder Attachment

### Features
- Max. Operating Frequency 4 GHz
- Good VSWR of 1.3:1
- Gold Plated Brass Contact
- 30 µin minimum contact plating

### Applications
- General Purpose Test
- Custom Cable Assemblies

### Description

Pasternack's PE4096 SMB jack connector with crimp/solder attachment for RG174, RG316, RG188, LMR-100, PE-B100, PE-C100 and 0.100 inch is part of our full line of RF components available for same-day shipping. Our SMB jack connector operates up to a maximum frequency of 4 GHz and offers good VSWR of 1.3:1.

Our SMB jack connector PE4096 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 | | 4 | GHz |
| VSWR | | | 1.3:1 | |
| Operating Voltage (AC) | | | 335 | Vrms |

### Mechanical Specifications

**Size**
| | |
|---|---|
| Length | 0.84 in [21.34 mm] |
| Width/Dia. | 0.25 in [6.35 mm] |
| Weight | 0.01 lbs [4.54 g] |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: SMB Jack Connector Crimp/Solder Attachment for RG174, RG316, RG188, LMR-100, PE-B100, PE-C100, 0.100 inch PE4096

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### Material Specifications

| Description | Material | Plating |
|---|---|---|
| Contact | Brass | Gold 30 µin minimum |
| Insulation | PTFE | |
| Body | Brass | Nickel 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:

SMB Jack Connector Crimp/Solder Attachment for RG174, RG316, RG188, LMR-100, PE-B100, PE-C100, 0.100 inch 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.
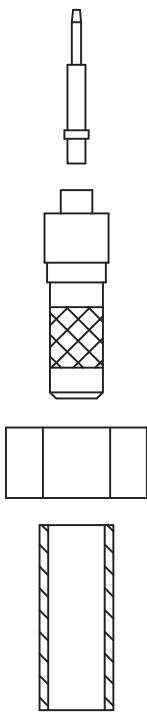
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URL: https://www.pasternack.com/smb-jack-standard-rg174-rg316-rg188-connector-pe4096-p.aspx

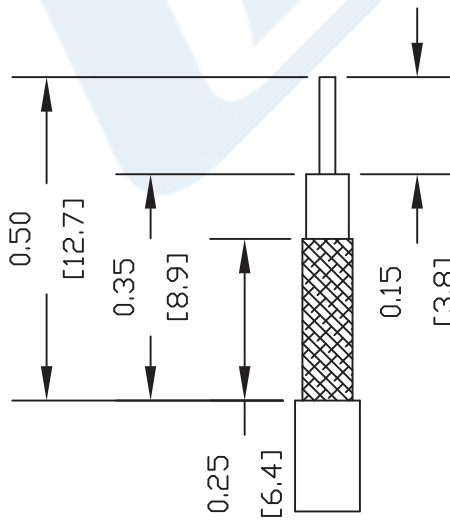Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623
Phone: (866) 727-8376 or (949) 261-1920 • Fax: (949) 261-7451
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# PE4096 CAD Drawing

## SMB Jack Connector Crimp/Solder Attachment for RG174, RG316, RG188, LMR-100, PE-B100, PE-C100, 0.100 inch

0.84 [21.3]

1/4 HEX

STRIPPING DIMENSIONS

0.50 [12.7]

0.35 [8.9]

0.15 [3.8]

0.25 [6.4]

1  2  3  4

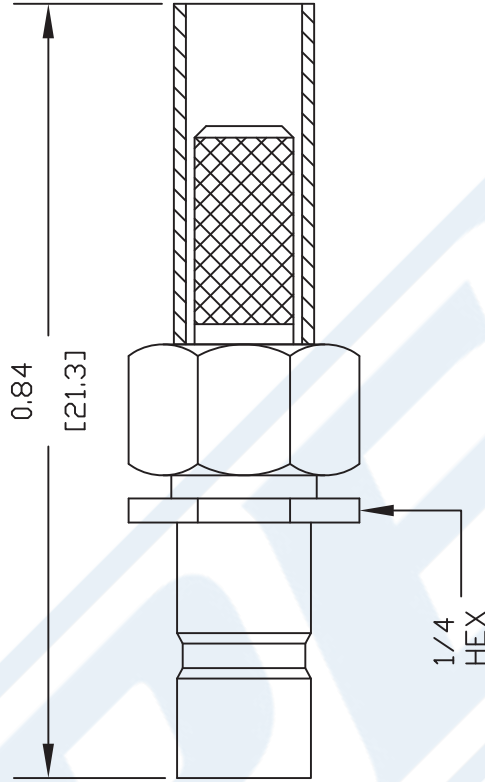### ASSEMBLY PROCEDURES

1. SLIDE FERRULLE (1) & CRIMP NUT (2) OVER CABLE. STRIP CABLE AS SHOWN. TIN CENTER CONDUCTOR.

2. FLAIR BRAID & INSERT EXTENSION (3) SLIDING UNDER BRAID. DIELECTRIC MUST SEAT AGAINST INSULATOR IN EXTENSION WITH CENTER CONDUCTOR PROTRUDING THROUGH INSULATOR.

3. SOLDER CONTACT TO CENTER CONDUCTOR. INSTALL CABLE ASSEMBLY INTO BODY & TIGHTEN.

### CRIMP SIZE REQUIRED

FERRULE: .128" HEX CRIMP TOOL

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 | | | | | |
|---|---|---|---|---|---|
| **PE4096** | | | | | |
| REV. - | FSCM NO. 53919 | CAD FILE 101603 | SCALE N/A | SIZE A | 127 |

PE4096  REV 1.2