



## BMA Plug Bulkhead Mount Slide-On Connector Crimp/Solder Attachment for RG316, RG188, RG174, PE-C100, LMR-100A

### RF Connectors Technical Data Sheet

PE45316

#### Configuration

- Slide-On BMA Plug Connector
  - 50 Ohms
  - Straight Body Geometry
  - RG316, RG188, RG174, PE-C100, LMR-100A Interface
- Type
- Crimp/Solder Attachment
  - Bulkhead
  - 8 mm Hex

#### Features

- Max. Operating Frequency 12.4 GHz
- Good VSWR of 1.4:1
- Gold Plated Beryllium Copper Contact
- 51.18μ in. minimum contact plating
- Blind Mate Connector
- Low-Engagement Force

#### Applications

- General Purpose Test
- Rack and Panel Mount Applications
- Custom Cable Assemblies
- Blind Mating
- Rack and Panel
- Phased Array Systems
- Base Stations
- RF Backplanes
- Test I/O

#### Description

Pasternack's PE45316 BMA plug slide-on bulkhead connector with crimp/solder attachment for RG316, RG188, RG174, PE-C100 and LMR-100A is part of our full line of RF components available for same-day shipping. Our BMA plug connector operates up to a maximum frequency of 12.4 GHz and offers good VSWR of 1.4:1. The Pasternack blind mate connector is ideal for applications where direct visual or tactile access to the connection point is not possible, for example, when two circuit boards need to be mated. This BMA 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 BMA plug bulkhead connector PE45316 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		12.4	GHz
VSWR			1.4:1	
Insertion Loss			0.1	dB
Operating Voltage (AC)			250	Vrms
Dielectric Withstanding Voltage (AC)			750	Vrms
Insulation Resistance	5,000			MOhms

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [BMA Plug Bulkhead Mount Slide-On Connector Crimp/Solder Attachment for RG316, RG188, RG174, PE-C100, LMR-100A PE45316](#)



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**Mechanical Specifications**

**Size**

Length	0.95 in [24.13 mm]
Width/Dia.	0.315 in [8.00 mm]
Weight	0.009 lbs [4.08 g]
Mating Cycles	1,000 Cycles

**Material Specifications**

Description	Material	Plating
Contact	Beryllium Copper	Gold 51.18μ in. minimum
Insulation	PTFE	
Outer Conductor	Passivated Stainless Steel	
Body	Passivated Stainless Steel	
Washer	Brass	Nickel
O-Ring	Silicone Rubber	

**Environmental Specifications**

**Temperature**

Operating Range	-65 to +125 deg C
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**Compliance Certifications** (see [product page](#) for current document)

#### Plotted and Other Data

Notes:

BMA Plug Bulkhead Mount Slide-On Connector Crimp/Solder Attachment for RG316, RG188, RG174, PE-C100, LMR-100A 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.

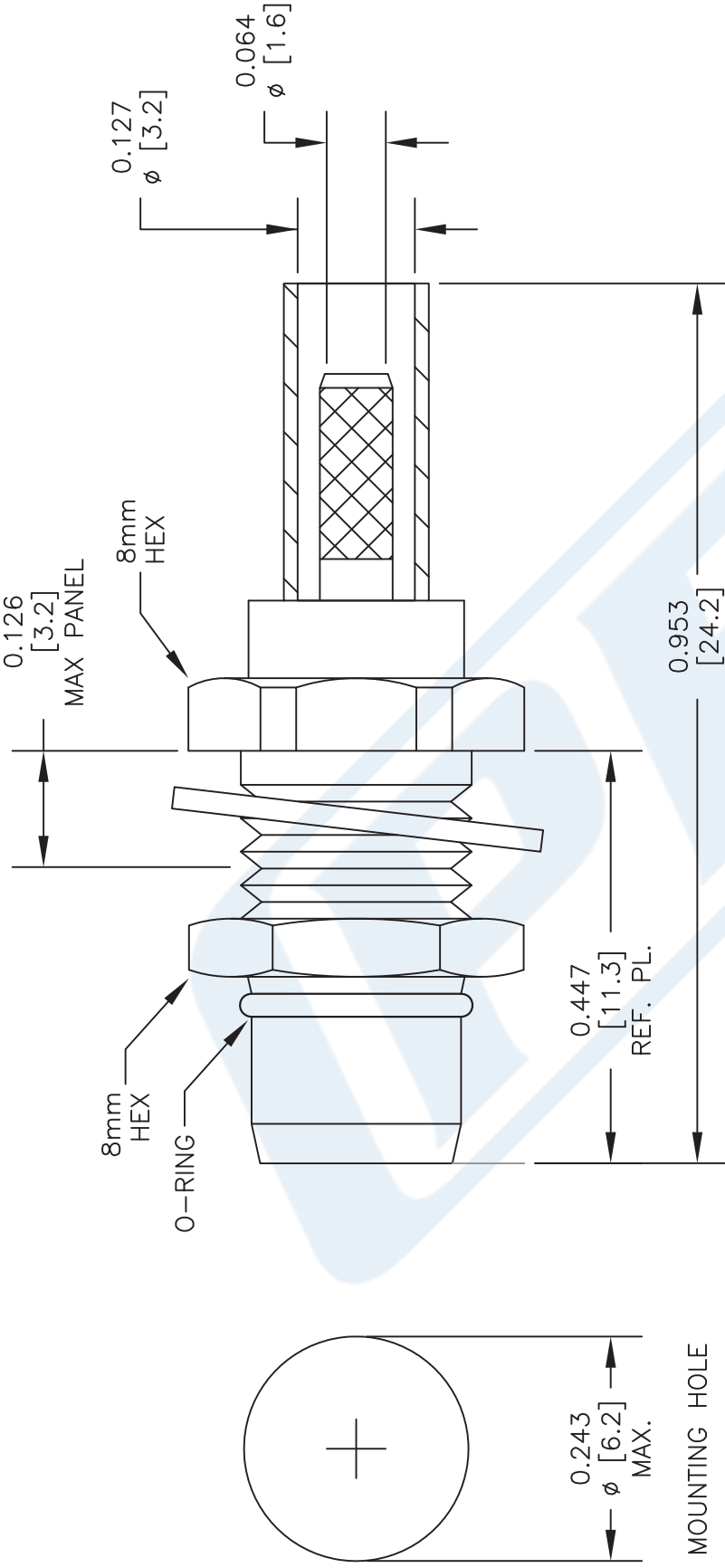
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URL: <https://www.pasternack.com/bma-plug-slide-on-rg316-rg188-rg174-pe-c100-lmr-100a-connector-pe45316-p.aspx>

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.

# PE45316 CAD Drawing

BMA Plug Bulkhead Mount Slide-On Connector Crimp/Solder  
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MOUNTING HOLE

## ASSEMBLY PROCEDURES

1. STRIP CABLE TO THE DIMENSIONS SHOWN, DO NOT NICK CENTER CONDUCTOR OR BRAID.
2. SLIDE HEAT SHRINK AND FERRULE ONTO CABLE.
3. PUSH CENTER CONDUCTOR FULLY INTO CONTACT AND SOLDER, REMOVE ANY EXCESS SOLDER.
4. FLARE BRAID AND INSERT CONTACT INTO THE BODY UNTIL IT SEATS.
5. SLIDE FERRULE OVER BRAID AND CRIMP WITH .128" HEX CRIMP TOOL.

STANDARD TOLERANCES	
.X	$\pm 0.2$
.XX	$\pm 0.1$
.XXX	$\pm 0.05$

\*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES

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  
**PE45316**

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SCALE N/A

SIZE A

2233