



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

## RF Connectors Technical Data Sheet

PE4901

### Configuration

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

### Features

- Gold Plated Beryllium Copper Contact

### Applications

- General Purpose Test
- Custom Cable Assemblies

### Description

Pasternack's PE4901 MMCX jack connector with crimp/solder attachment for RG174, RG316, RG188, 0.100 inch, PE-B100, PE-C100 and LMR-100 is part of our full line of RF components available for same-day shipping.

Our MMCX jack connector PE4901 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     | 0.71 in [18.03 mm] |
| Width/Dia. | 0.157 in [3.99 mm] |
| Weight     | 0.003 lbs [1.36 g] |

#### Material Specifications

| Description | Material         | Plating |
|-------------|------------------|---------|
| Contact     | Beryllium Copper | Gold    |
| Insulation  | PTFE             |         |
| Body        | Brass            | Gold    |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [MMCX Jack Connector Crimp/Solder Attachment for RG174, RG316, RG188, 0.100 inch, PE-B100, PE-C100, LMR-100 PE4901](#)



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## RF Connectors Technical Data Sheet

PE4901

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

### Plotted and Other Data

Notes:

MMCX Jack Connector Crimp/Solder Attachment for RG174, RG316, RG188, 0.100 inch, PE-B100, PE-C100, 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/mmcx-jack-standard-rg174-rg316-rg188-connector-pe4901-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.

# PE4901 CAD Drawing

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



STRIPPING DIMENSIONS

CRIMP SIZE REQUIRED

CONTACT: SOLDER

FERRULE: .128" HEX CRIMP TOOL



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)

DWG TITLE

**PE4901**

- 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.

FSCM NO. 53919

CAD FILE 012413-A

SCALE N/A

SIZE A

2233



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# Flexible RG188 Coax Cable Single Shielded with White PTFE Jacket

## RF Cables Technical Data Sheet

RG188A/U

### Configuration

- Flexible Cable
- 1 Shield(s)

### Electrical Specifications

| Description                          | Minimum | Typical | Maximum | Units |
|--------------------------------------|---------|---------|---------|-------|
| Frequency Range                      | DC      |         | 3       | GHz   |
| Impedance                            |         | 50      |         | Ohms  |
| Dielectric Withstanding Voltage (AC) |         |         | 2,000   | Vrms  |

### Performance by Frequency Band

| Description      | F1    | F2 | F3 | F4 | F5 | Units               |
|------------------|-------|----|----|----|----|---------------------|
| Frequency        | 400   |    |    |    |    | MHz                 |
| Attenuation, Typ | 20    |    |    |    |    | dB/100ft<br>dB/100m |
|                  | 65.62 |    |    |    |    |                     |

### Mechanical Specifications

|          |                          |
|----------|--------------------------|
| Diameter | 0.11 in [2.79 mm]        |
| Weight   | 0.011 lbs/ft [0.02 Kg/m] |

### Construction Specifications

| Description     | Material and Plating                         | Diameter           |
|-----------------|--|--------------------|
| Inner Conductor | Copper Clad Steel, Silver, 7 Strands         | 0.02 in [0.51 mm]  |
| Conductor Type  | Stranded                                     |                    |
| Dielectric      | PTFE   | 0.06 in [1.52 mm]  |
| First Shield    | Silver Plated Copper Braid<br>95.2% coverage | 0.081 in [2.06 mm] |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Flexible RG188 Coax Cable Single Shielded with White PTFE Jacket RG188A/U](#)

Flexible RG188 Coax Cable Single  
Shielded with White PTFE Jacket

RF Cables  
Technical Data Sheet

RG188A/U

|        |             |                   |
|--------|-------------|-------------------|
| Jacket | PTFE, White | 0.11 in [2.79 mm] |
|--------|-------------|-------------------|

**Environmental Specifications**

**Temperature**

Operating Range -55 to +250 deg C

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

**Plotted and Other Data**

Notes:

Flexible RG188 Coax Cable Single Shielded with White PTFE 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 RG188 Coax Cable Single Shielded with White PTFE Jacket RG188A/U](#)

URL: <https://www.pasternack.com/50-ohm-flexible-rg188au-ptfe-jacket-silver-plated-copper-braid-outer-conductor-single-shielded-white-rg188a-u-p.aspx>

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# RG188A/U CAD Drawing

Flexible RG188 Coax Cable Single Shielded with White PTFE Jacket



SECTION VIEW

STANDARD TOLERANCES

- .X ±0.2
- .XX ±0.01
- .XXX ±0.005

\*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES



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RG188A/U

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CAGE CODE 53919

CAD FILE 091817

SCALE N/A

SIZE A

7361