



SMA Male Connector Crimp/Solder Attachment
for RG174, RG316, RG188 Gold Plated

RF Connectors Technical Data Sheet

PE45145

Configuration

- SMA Male Connector
- 50 Ohms
- Straight Body Geometry
- RG174, RG316, RG188 Interface Type
- Crimp/Solder Attachment
- 5/16 in Hex

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		12.4	GHz

Mechanical Specifications

Size	
Length	0.654 in [16.61 mm]
Weight	0.01 lbs [4.54 g]
Mating Torque	5 in-lbs [0.57 Nm]

Material Specifications

Description	Material	Plating
Contact	Brass	Gold
Insulation	PTFE	
Body	Brass	Gold
Coupling Nut	Brass	Gold

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Male Connector Crimp/Solder Attachment for RG174, RG316, RG188 Gold Plated PE45145](#)



SMA Male Connector Crimp/Solder Attachment for RG174, RG316, RG188 Gold Plated

RF Connectors Technical Data Sheet

PE45145

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

Plotted and Other Data

Notes:

SMA Male Connector Crimp/Solder Attachment for RG174, RG316, RG188 Gold Plated 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: [SMA Male Connector Crimp/Solder Attachment for RG174, RG316, RG188 Gold Plated PE45145](#)

URL: <https://www.pasternack.com/sma-male-rg174-rg316-rg188-connector-pe45145-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.

PE45145 CAD Drawing

SMA Male Connector Crimp/Solder Attachment for RG174, RG316, RG188 Gold Plated



STRIPPING DIMENSIONS

CRIMP SIZE REQUIRED

CONTACT: SOLDER

FERRULE: .128" HEX CRIMP TOOL



CONTACT

FERRULE

DWG TITLE

PE45145

- 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

012815

SCALE N/A

SIZE A

150



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 | E-Mail: sales@pasternack.com



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](#)



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

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.

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](#)

URL: <https://www.pasternack.com/mmcx-jack-standard-rg174-rg316-rg188-connector-pe4901-p.aspx>

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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

DWG TITLE

PE4901

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

FSCM NO. 53919

CAD FILE 012413-A

SCALE N/A

SIZE A

2233



PASTERNAK®
Pasternack Enterprises, Inc.
P.O. Box 16759 | Irvine | CA | 92623

Phone: (949) 261-1920 | Fax: (949) 261-7451

Website: www.pasternack.com | E-Mail: sales@pasternack.com

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 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 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]
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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>

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.

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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DWG TITLE

RG188A/U

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CAGE CODE 53919

CAD FILE 091817

SCALE N/A

SIZE A

7361