



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

RF Connectors Technical Data Sheet

PE4797

Configuration

- SMA Female Reverse Polarity 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
- Reverse Polarity

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE4797 RP SMA 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. The female reverse polarity configuration uses a female connector body with a male inner contact pin.

Our reverse polarity SMA female connector PE4797 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	0.81 in [20.57 mm]
Width/Dia.	0.312 in [7.92 mm]
Weight	0.008 lbs [3.63 g]

Material Specifications

Description	Material	Plating
Contact		Gold MIL-G-45204
Insulation	PTFE	
Body	Brass	Nickel 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: [RP SMA Female Connector Crimp/Solder Attachment for RG174, RG316, RG188, PE-B100, PE-C100, 0.100 inch, LMR-100 PE4797](#)



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

RF Connectors Technical Data Sheet

PE4797

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

Plotted and Other Data

Notes:

RP SMA 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.

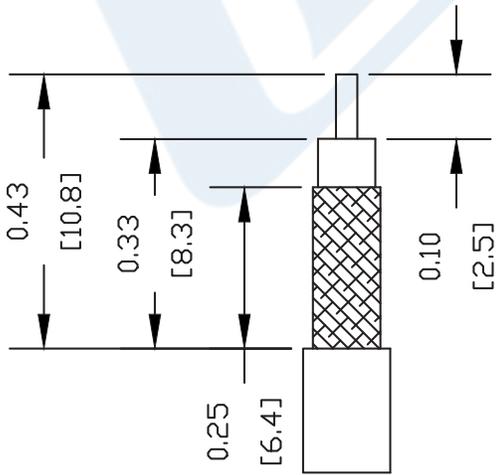
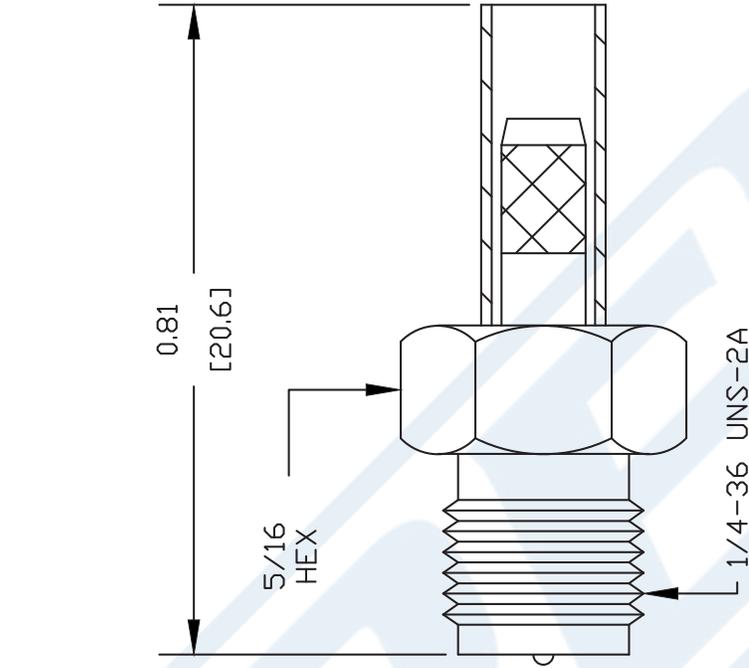
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URL: <https://www.pasternack.com/sma-female-reverse-polarity-rg174-rg316-rg188-connector-pe4797-p.aspx>

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.

PE4797 CAD Drawing

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



STRIPPING DIMENSIONS

CRIMP SIZE REQUIRED

CONTACT: SOLDER
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
PE4797

PE PASTERNAK®
Pasternack Enterprises, Inc.
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RP SMA Female Bulkhead Connector Crimp/Solder
 Attachment For RG174, RG316, RG188, .235 inch D Hole

TECHNICAL DATA SHEET

PE4859

RP SMA Female Bulkhead Connector Crimp/Solder Attachment For RG174, RG316, RG188, .235 inch D Hole

Configuration

Connector	SMA Female Reverse Polarity
Connector Interface Type	RG174, RG316, RG188
Cable Attachment Method (Shield/Contact)	Crimp/Solder
Body Style	Straight
Mount Method	Bulkhead

Electrical Specifications

Impedance, Ohms	50
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Mechanical Specifications

Size

Length, in [mm]	0.905 [22.99]
Width/Dia., in [mm]	0.312 [7.92]
Weight, lbs [g]	0.006 [2.72]

Connector

Type	SMA Female Reverse Polarity
Contact Material and Plating	Gold
Body Material and Plating	Brass, Nickel
Dielectric Type	PTFE

Compliance Certifications (visit www.Pasternack.com for current document)

RoHS Compliant	Yes
REACH Compliant	06/18/2012

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [RP SMA Female Bulkhead Connector Crimp/Solder Attachment For RG174, RG316, RG188, .235 inch D Hole PE4859](#)

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RP SMA Female Bulkhead Connector Crimp/Solder
Attachment For RG174, RG316, RG188, .235 inch D Hole

TECHNICAL DATA SHEET

PE4859

Plotted and Other Data

Notes:

Values at 25 °C, sea level

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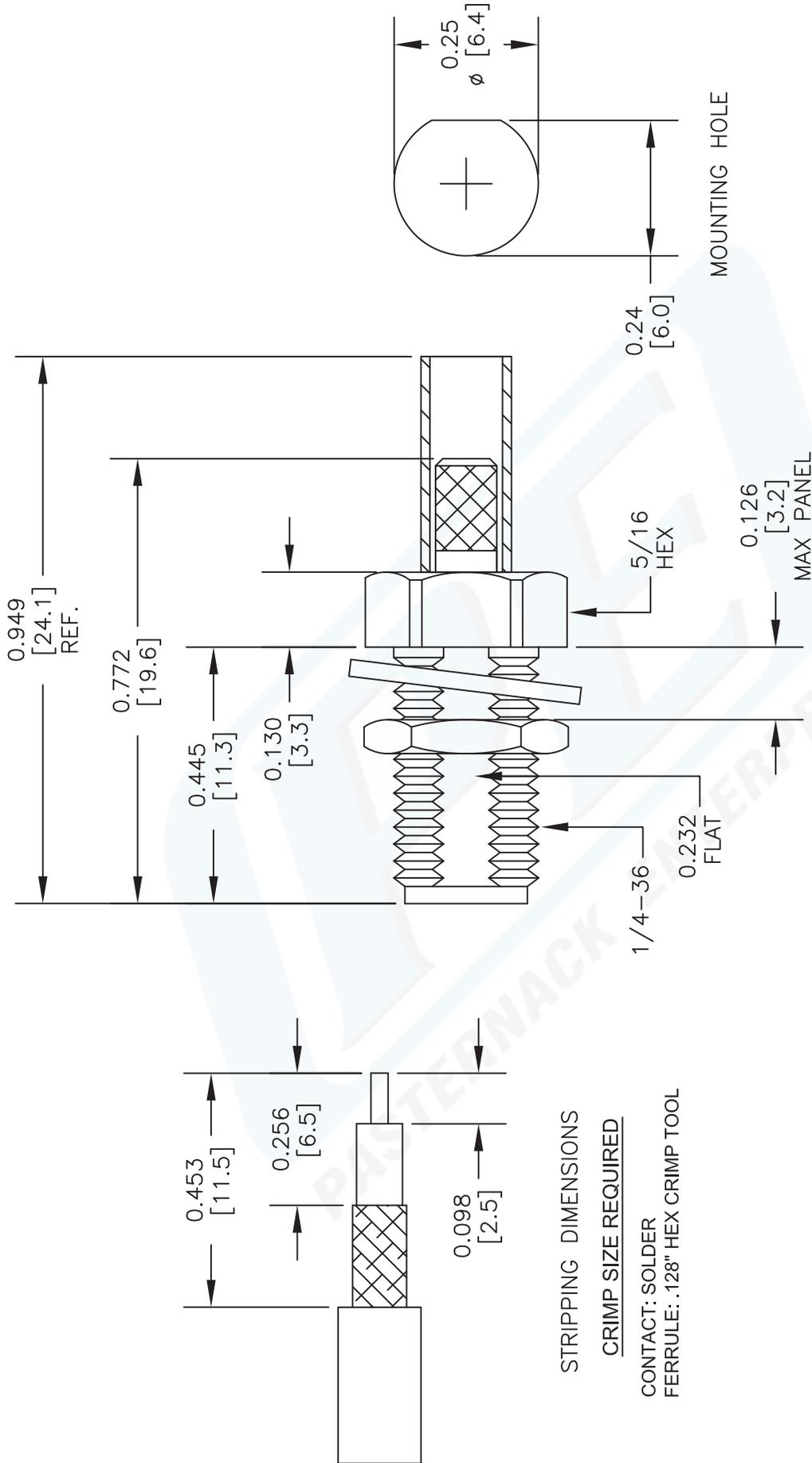
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [RP SMA Female Bulkhead Connector Crimp/Solder Attachment For RG174, RG316, RG188, .235 inch D Hole PE4859](http://www.pasternack.com/sma-female-reverse-polarity-rg174-rg316-rg188-connector-pe4859-p.aspx)

URL: <http://www.pasternack.com/sma-female-reverse-polarity-rg174-rg316-rg188-connector-pe4859-p.aspx>

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PE4859 CAD Drawing

RP SMA Female Bulkhead Connector Crimp/Solder Attachment
For RG174, RG316, RG188, .235 inch D Hole



DWG TITLE

PE4859

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

FSCM NO. 53919

CAD FILE 120913

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 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.

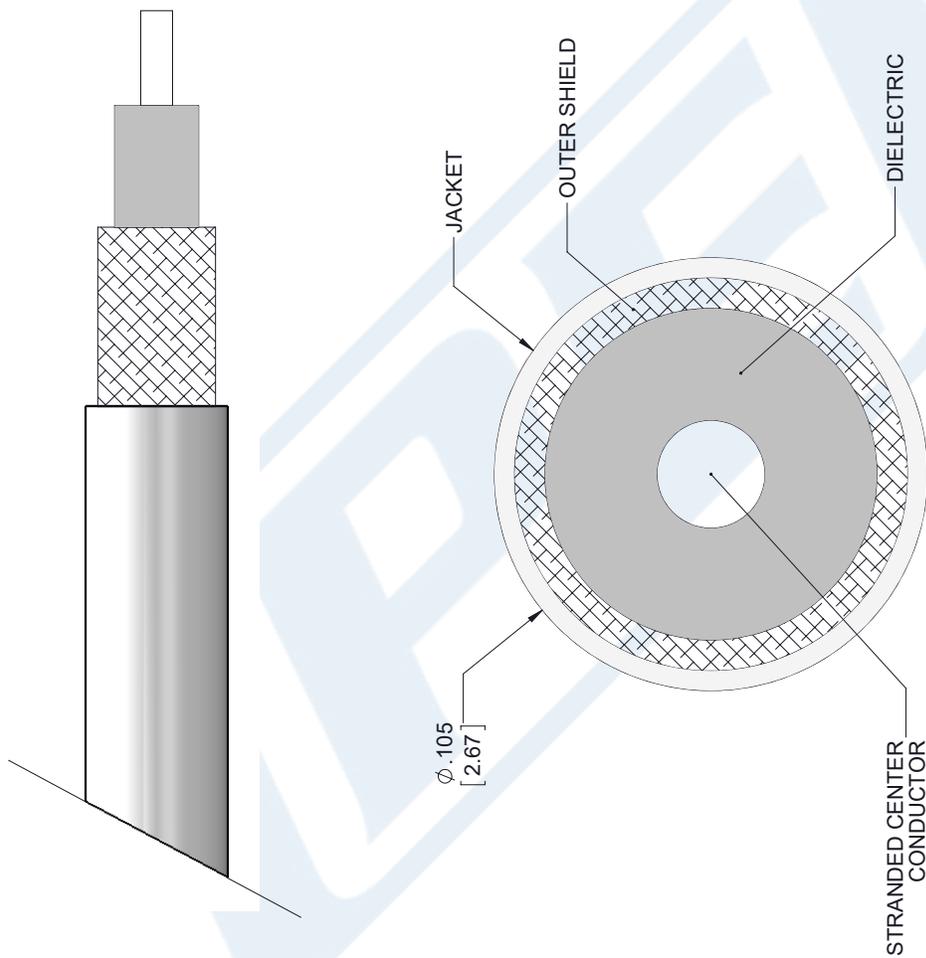
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Flexible RG188 Coax Cable Single Shielded with White PTFE Jacket RG188A/U](#)

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

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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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CAGE CODE 53919

CAD FILE 091817

SCALE N/A

SIZE A

7361