



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

RF Connectors Technical Data Sheet

PE4003

Configuration

- SMA Male Connector
- MIL-STD-348A
- 50 Ohms
- Straight Body Geometry
- RG174, RG316, RG188, LMR-100, PE-B100, PE-C100, 0.100 inch Interface Type
- Crimp/Crimp Attachment
- 5/16 inch Hex

Features

- Max. Operating Frequency 3 GHz
- Excellent VSWR of 1.21:1
- Gold Plated Brass Contact
- 30 µin minimum contact plating

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE4003 SMA male connector with crimp/crimp 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 SMA male connector operates up to a maximum frequency of 3 GHz and offers excellent VSWR of 1.21:1.

Our SMA male connector PE4003 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		3	GHz
VSWR			1.21:1	
Operating Voltage (AC)			335	Vrms

Mechanical Specifications

Size

Length	0.87 in [22.1 mm]
Width/Dia.	0.315 in [8.00 mm]
Weight	0.012 lbs [5.44 g]
Mating Torque	3 to 5 in-lbs [0.34 to 0.57 Nm]

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/Crimp Attachment for RG174, RG316, RG188, LMR-100, PE-B100, PE-C100, 0.100 inch PE4003](#)



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

RF Connectors Technical Data Sheet

PE4003

Material Specifications

Description	Material	Plating
Contact	Brass	Gold 30 µin minimum
Insulation	PTFE	
Body	Brass	Nickel 100 µin minimum
Coupling Nut	Brass	Nickel 100 µin minimum
Crimp Sleeve	Brass	Nickel

Environmental Specifications

Temperature

Operating Range -65 to +165 deg C

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

Plotted and Other Data

Notes:

SMA Male Connector Crimp/Crimp 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.

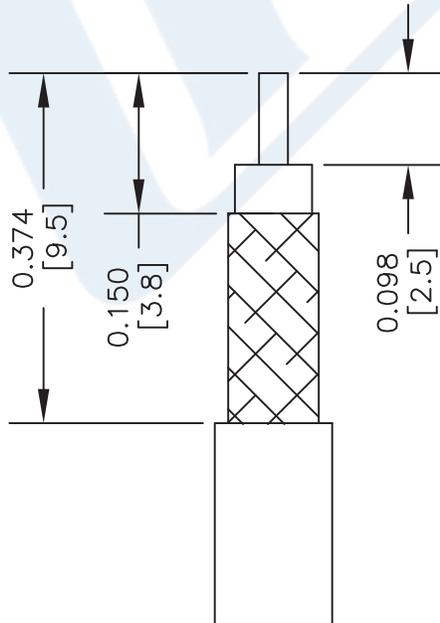
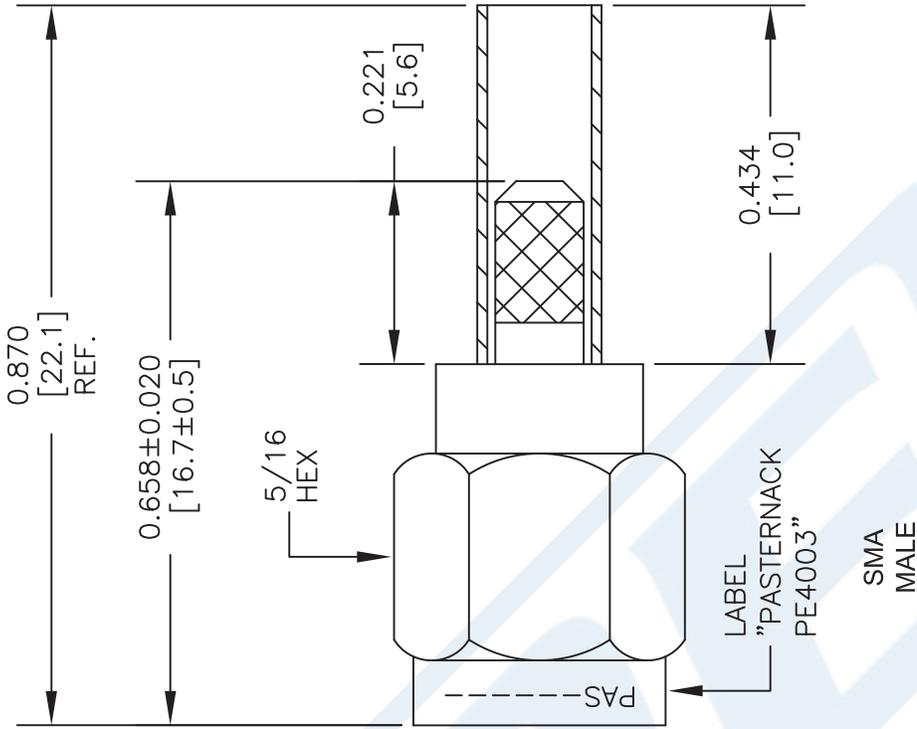
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Male Connector Crimp/Crimp Attachment for RG174, RG316, RG188, LMR-100, PE-B100, PE-C100, 0.100 inch PE4003](#)

URL: <https://www.pasternack.com/sma-male-rg174-rg316-rg188-lmr-100-pe-b100-pe-c100-0.100-connector-pe4003-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.

PE4003 CAD Drawing

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



STRIPPING DIMENSIONS

CRIMP SIZE REQUIRED

CONTACT: SOLDER
FERRULE: .128" HEX CRIMP TOOL

STANDARD TOLERANCES

.X ±0.2
.XX ±0.1
.XXX ±0.05

*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES



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DWG TITLE

PE4003

FSCM NO. 53919

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].

CAD FILE 071316

SCALE N/A

SIZE A

3045



N Male Right Angle Connector Crimp/Solder Attachment for RG174, RG316, RG188, 0.100 inch, PE-B100, PE-C100, LMR-100

RF Connectors Technical Data Sheet

PE44675

Configuration

- N Male Connector
- 50 Ohms
- Right Angle Body Geometry
- RG174, RG316, RG188, 0.100 inch, PE-B100, PE-C100, LMR-100 Interface Type
- Crimp/Solder Attachment

Features

- Max. Operating Frequency 11 GHz
- Excellent VSWR of 1.2:1
- Gold Plated Brass Contact

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE44675 type N male right angle 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 type N male connector operates up to a maximum frequency of 11 GHz and offers excellent VSWR of 1.2:1. Its right angle body geometry allows for easier connections in tight spaces.

Our type N male right angle connector PE44675 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		11	GHz
VSWR			1.2:1	
Operating Voltage (AC)			830	Vrms
Dielectric Withstanding Voltage (AC)			2,500	Vrms

Mechanical Specifications

Size

Length	1.24 in [31.5 mm]
Width/Dia.	0.8 in [20.32 mm]
Height	1.38 in [35.05 mm]
Weight	0.106 lbs [48.08 g]
Mating Cycles	500 Cycles

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Male Right Angle Connector Crimp/Solder Attachment for RG174, RG316, RG188, 0.100 inch, PE-B100, PE-C100, LMR-100 PE44675](#)



N Male Right Angle Connector Crimp/Solder Attachment for RG174, RG316, RG188, 0.100 inch, PE-B100, PE-C100, LMR-100

RF Connectors Technical Data Sheet

PE44675

Material Specifications

Description	Material	Plating
Contact	Brass	Gold
Insulation	PTFE	
Body	Brass	Tri-Metal
Coupling Nut	Brass	Tri-Metal

Environmental Specifications

Temperature

Operating Range -65 to +165 deg C

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

Plotted and Other Data

Notes:

N Male Right Angle 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.

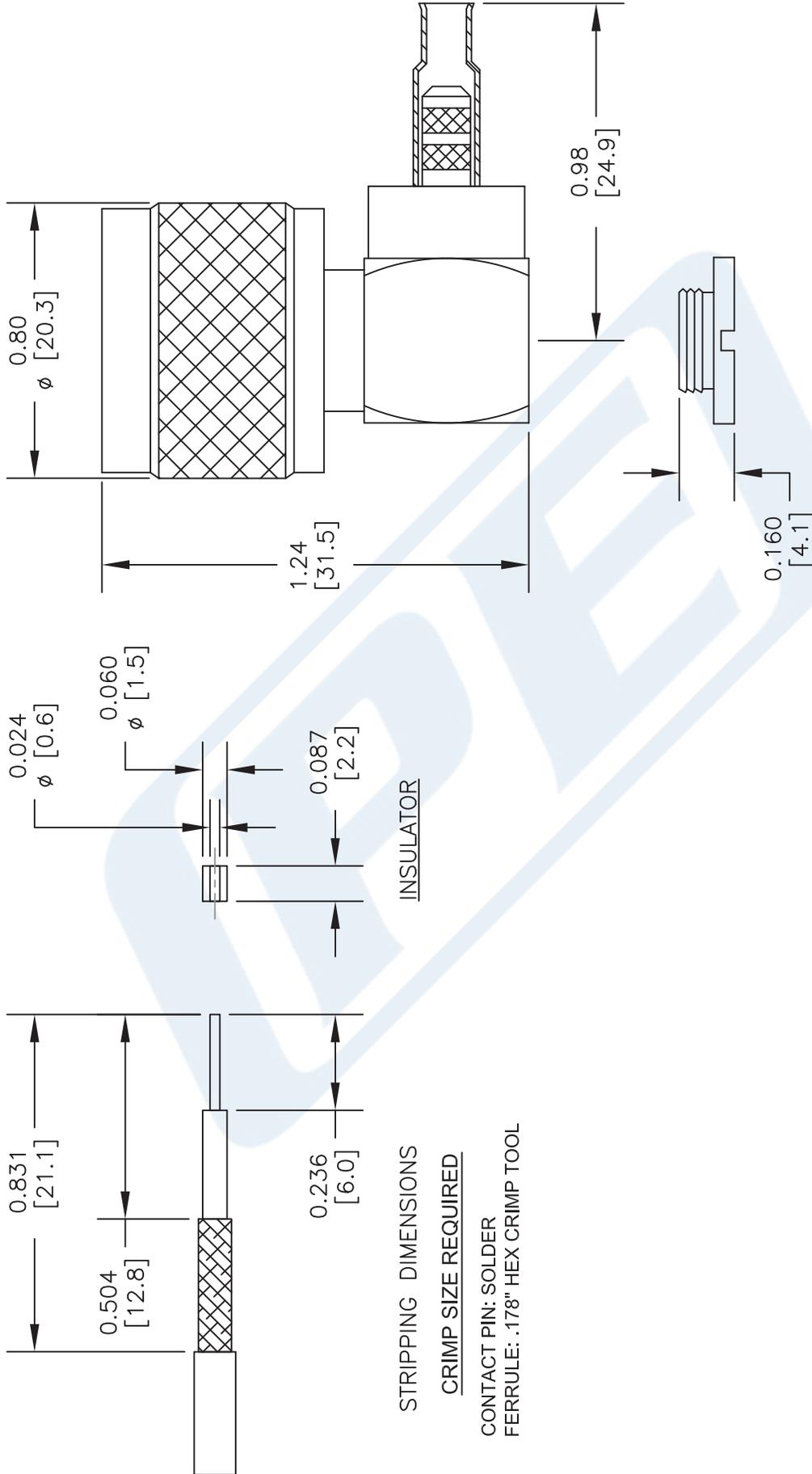
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Male Right Angle Connector Crimp/Solder Attachment for RG174, RG316, RG188, 0.100 inch, PE-B100, PE-C100, LMR-100 PE44675](#)

URL: <https://www.pasternack.com/n-male-standard-pe-c100-rg174-rg316-0.100-connector-pe44675-p.aspx>

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PE44675 CAD Drawing

N Male Right Angle Connector Crimp/Solder Attachment for RG174,
RG316, RG188, 0.100 inch, PE-B100, PE-C100, LMR-100



DWG TITLE

PE44675

FSCM NO. 53919

CAD FILE 072413

SCALE N/A

SIZE A

2233

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.

PE PASTERNAK®

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Flexible RG188 Coax Cable Single Shielded with White PTFE Jacket

TECHNICAL DATA SHEET

RG188A/U

Flexible RG188 Coax Cable Single Shielded with White PTFE Jacket

Configuration

Inner Conductor Material and Plating	Copper Clad Steel, Silver
Dielectric Type	PTFE
Shield Materials	Silver Plated Copper Braid
Jacket Material and Color	PTFE, White

Electrical Specifications

Impedance, Ohms	50
Dielectric Withstanding Voltage, Vrms	2,000

Electrical Specifications by Frequency

Frequency 1

Frequency, MHz	400
Attenuation, dB/100ft [dB/100m]	20 [65.62]

Mechanical Specifications

Temperature

Inner Conductor

Number of Strands	7
Material	Copper Clad Steel
Plating	Silver
Diameter, in [mm]	0.02 [0.51]

Dielectric:

Type	PTFE
Diameter, in [mm]	0.06 [1.52]

Shield:

Number of	1
Material 1	Silver Plated Copper Braid
Diameter, in [mm]	0.081 [2.06]

Jacket:

Material	PTFE
Diameter, in [mm]	0.11 [2.79]
Color	White
Weight, lbs/ft [Kg/m]	0.011 [0.02]

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](#)

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Flexible RG188 Coax Cable Single
Shielded with White PTFE Jacket

TECHNICAL DATA SHEET

RG188A/U

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

RoHS Compliant

Yes

Plotted and Other Data

Notes:

Values at 25 °C, sea level

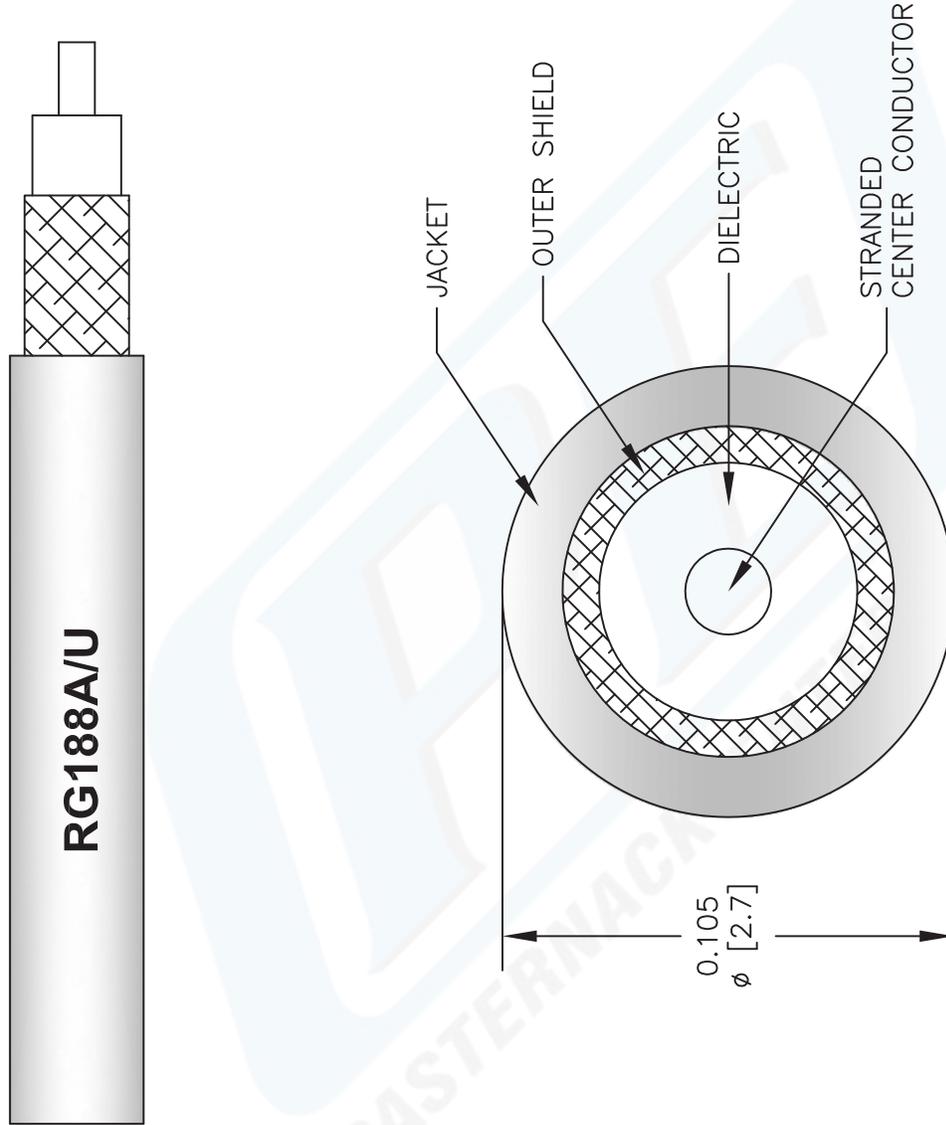
URL: <http://www.pasternack.com/flexible-0.110-rg188-50-ohm-coax-cable-ptfe-jacket-rg188a-u-p.aspx>

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 fiber optic products maintain a 99% availability and are part of the broadest selection in the industry.

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RG188A/U CAD Drawing

Flexible RG188 Coax Cable Single Shielded with White PTFE Jacket



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DWG TITLE

RG188A/U

FSCM NO. 53919

2233

SIZE A

SCALE N/A

CAD FILE 081512-C



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