



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

## RF Connectors Technical Data Sheet

PE4036

### Configuration

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

### Features

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

### Applications

- General Purpose Test
- Custom Cable Assemblies

### Description

Pasternack's PE4036 SMA male connector with solder/solder attachment for RG174, RG316, RG188, LMR-100, PE-B100, PE-C100 and .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 PE4036 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	0.82 in [20.83 mm]
Width/Dia.	0.315 in [8.00 mm]
Weight	0.013 lbs [5.9 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 Solder Attachment for RG174, RG316, RG188, LMR-100, PE-B100, PE-C100, 0.100 inch PE4036](#)



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

## RF Connectors Technical Data Sheet

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### Material Specifications

Description	Material	Plating
Contact	Brass	Gold 30 $\mu$ in minimum
Insulation	PTFE	
Body	Brass	Nickel 100 $\mu$ in minimum
Coupling Nut	Brass	Nickel 100 $\mu$ in minimum

### Environmental Specifications

#### Temperature

Operating Range

-40 to +85 deg C

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

### Plotted and Other Data

Notes:

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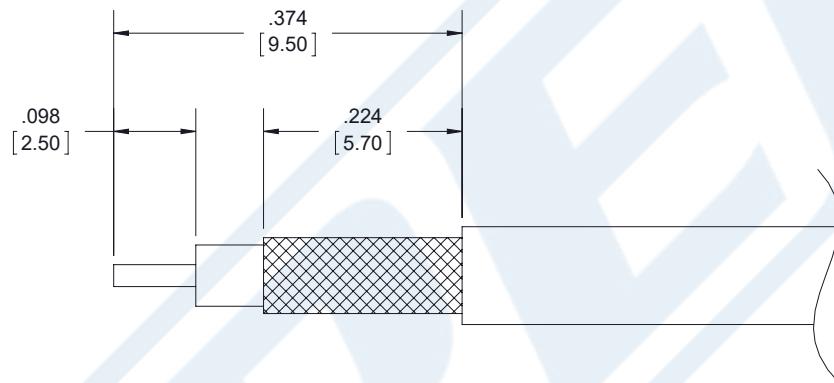


SMA Male Connector Solder Attachment for RG174, RG316,  
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## RF Connectors Technical Data Sheet

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### Assembly Instruction



### ASSEMBLY PROCEDURES

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

### CRIMP SIZE REQUIRED

- CONTACT: SOLDER.
- FERRULE: .138 [3.5] HEX CRIMP TOOL.

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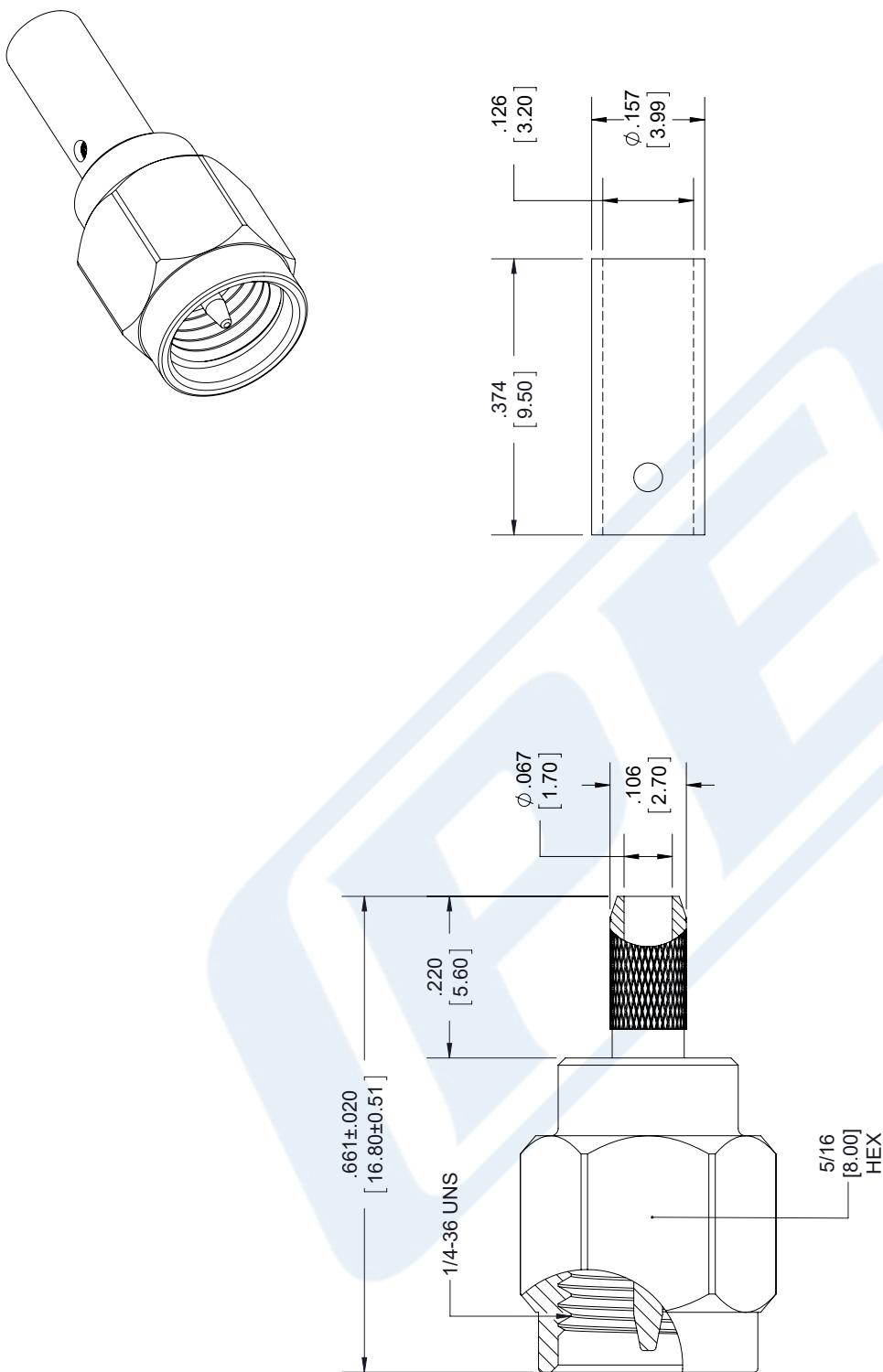
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URL: <https://www.pasternack.com/sma-male-standard-rg174-rg316-rg188-connector-pe4036-p.aspx>

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# PE4036 CAD Drawing

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RG188, LMR-100, PE-B100, PE-C100, 0.100 inch



**STANDARD TOLERANCES**  
 X      ±0.2  
 .XX    ±0.01  
 .XXX ±0.005

\*STANDARD TOLERANCES APPLY  
ONLY TO DIMENSIONS IN INCHES

**PASTERNACK**  
THE ENGINEER'S RESOURCE

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NOTES:  
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DWG TITLE	PE4036
CAGE CODE	53919

SCALE	N/A	SIZE	A
			9999



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### Environmental Specifications

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Operating Range

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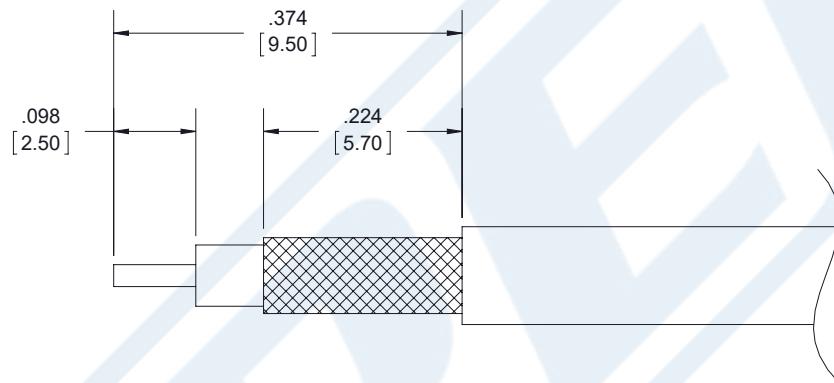


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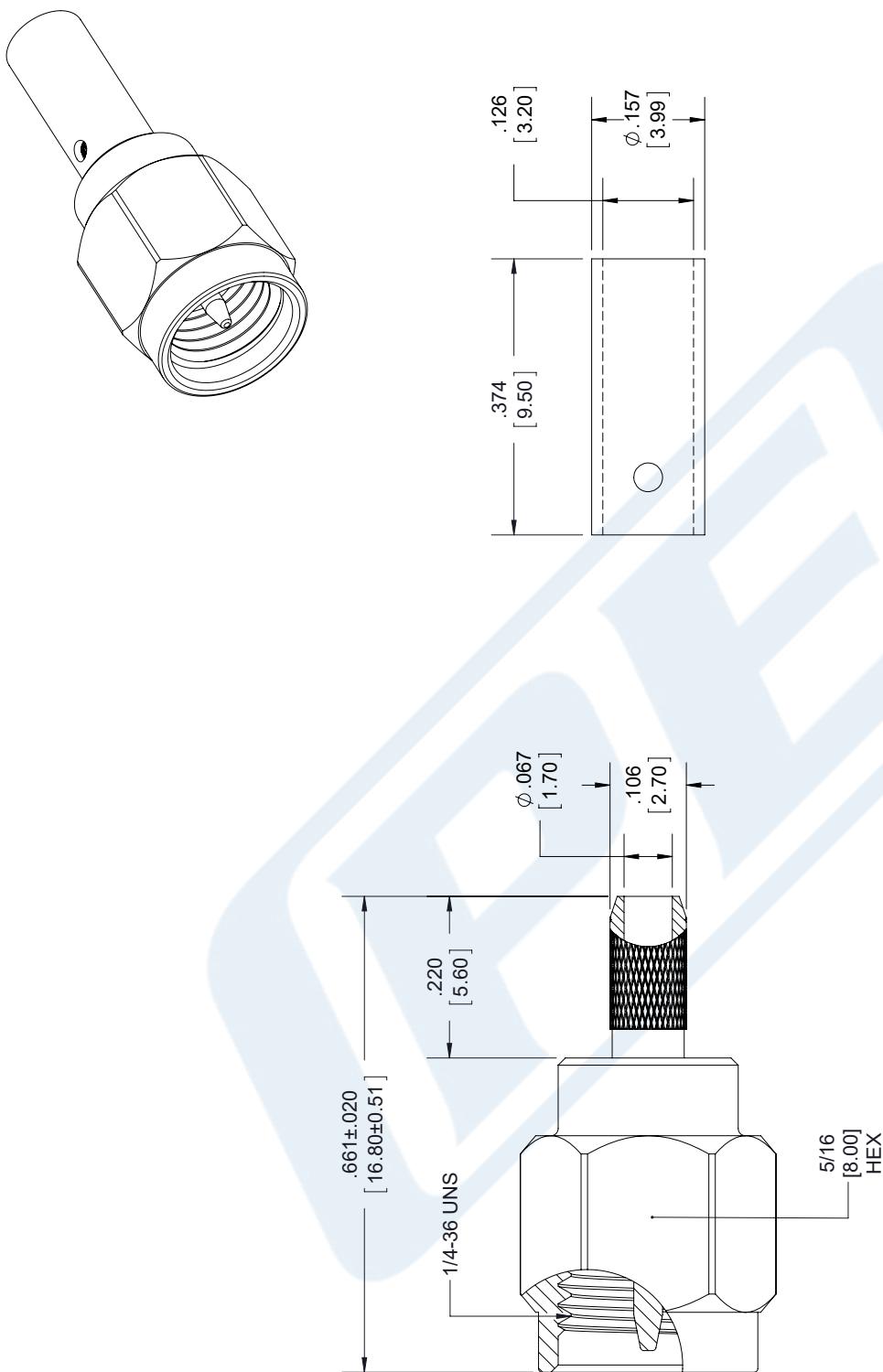
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 .XX    ±0.01  
 .XXX   ±0.005

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DWG TITLE	PE4036
CAGE CODE	53919

SCALE	N/A	SIZE	A
			9999

## 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](http://www.Pasternack.com) for current document)

RoHS Compliant

Yes

#### Plotted and Other Data

Notes:

Values at 25 °C, sea level

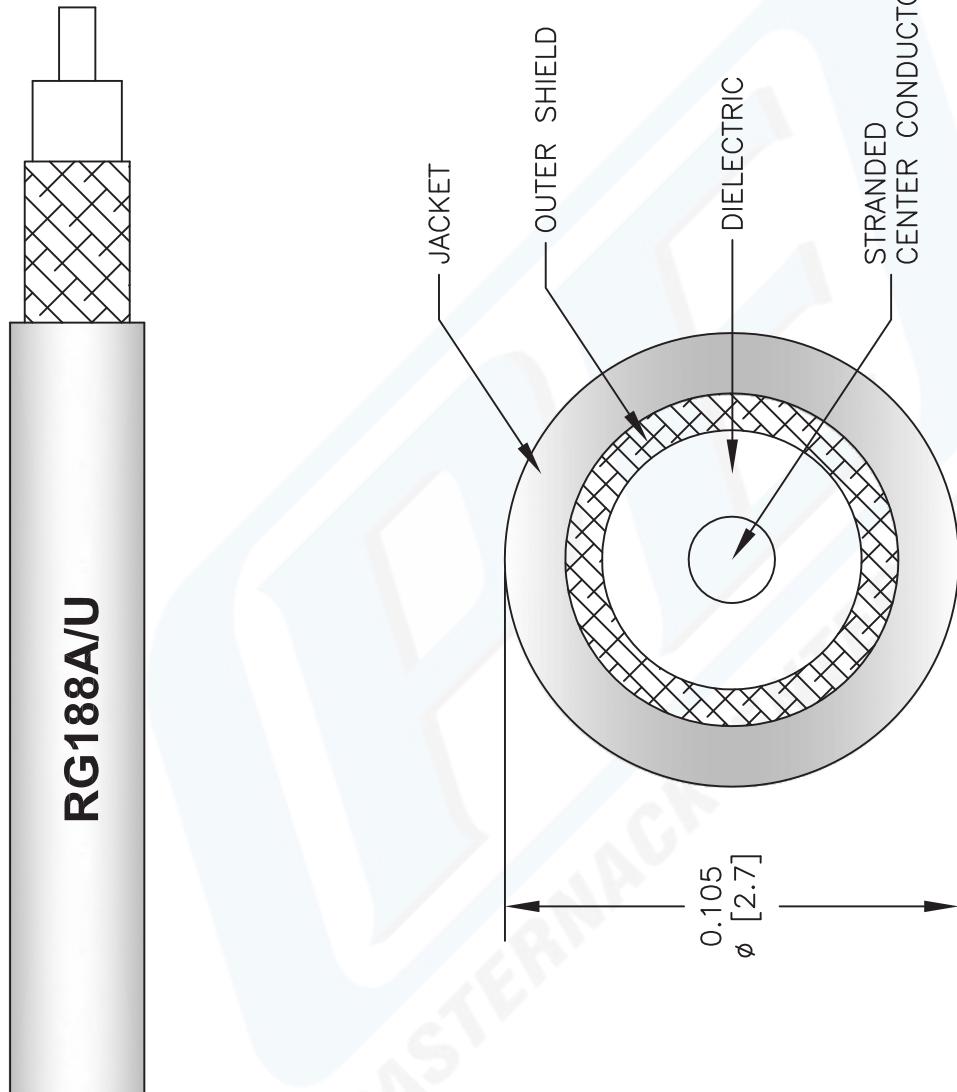
URL: <http://www.pasternack.com/flexible-0.110-rg188-50-ohm-coax-cable-ptfe-jacket-rg188a-u-p.aspx>

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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PASTERNACK®	DWG TITLE	RG188A/U		
FSCM NO.	CAD FILE	081512-C	SCALE	N/A
SIZE	A	2233	2233	2233
PASTERNACK Enterprises, Inc. P.O. Box 16759   Irvine   CA   92623 Phone: (949) 261-1920   Fax: (949) 261-7451 Website: <a href="http://www.pasternack.com">www.pasternack.com</a>   E-Mail: <a href="mailto:sales@pasternack.com">sales@pasternack.com</a>				