



## 75 Ohm SMB Plug Right Angle Connector Crimp/ Solder Attachment for PE-B150, RG180, RG195

### RF Connectors Technical Data Sheet

PE4161

#### Configuration

- SMB Plug Connector
- MIL-STD-348
- 75 Ohms
- Right Angle Body Geometry
- PE-B150, RG180, RG195 Interface Type
- Crimp/Solder Attachment

#### Features

- Gold Plated Contact
- Contact plating according to MIL-G-45204

#### Applications

- General Purpose Test
- Custom Cable Assemblies

#### Description

Pasternack's PE4161 75 ohm SMB plug right angle connector with crimp/solder attachment for PE-B150, RG180 and RG195 is part of our full line of RF components available for same-day shipping. Its right angle body geometry allows for easier connections in tight spaces.

Our 75 ohm SMB plug right angle connector PE4161 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	0.69 in [17.53 mm]
Width/Dia.	0.38 in [9.65 mm]
Height	0.78 in [19.81 mm]
Weight	0.013 lbs [5.9 g]

#### Material Specifications

Description	Material	Plating
Contact		Gold MIL-G-45204
Insulation	PTFE	
Body	Brass	Gold MIL-G-45204

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [75 Ohm SMB Plug Right Angle Connector Crimp/Solder Attachment for PE-B150, RG180, RG195 PE4161](#)



## 75 Ohm SMB Plug Right Angle Connector Crimp/ Solder Attachment for PE-B150, RG180, RG195

### RF Connectors Technical Data Sheet

PE4161

#### Environmental Specifications

##### Temperature

Operating Range

-65 to +165 deg C

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

#### Plotted and Other Data

Notes:

75 Ohm SMB Plug Right Angle Connector Crimp/Solder Attachment for PE-B150, RG180, RG195 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.

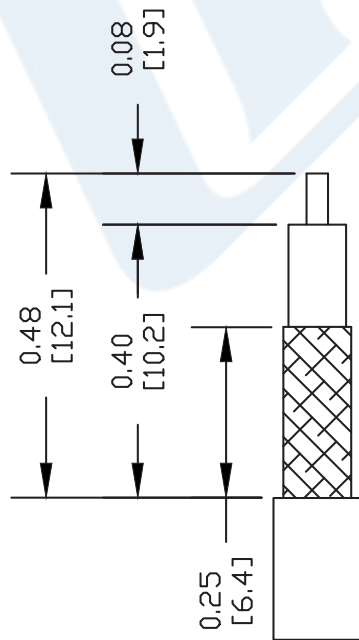
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URL: <https://www.pasternack.com/smb-plug-standard-rg180-rg195-connector-pe4161-p.aspx>

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# PE4161 CAD Drawing

75 Ohm SMB Plug Right Angle Connector Crimp/Solder  
Attachment for PE-B150, RG180, RG195



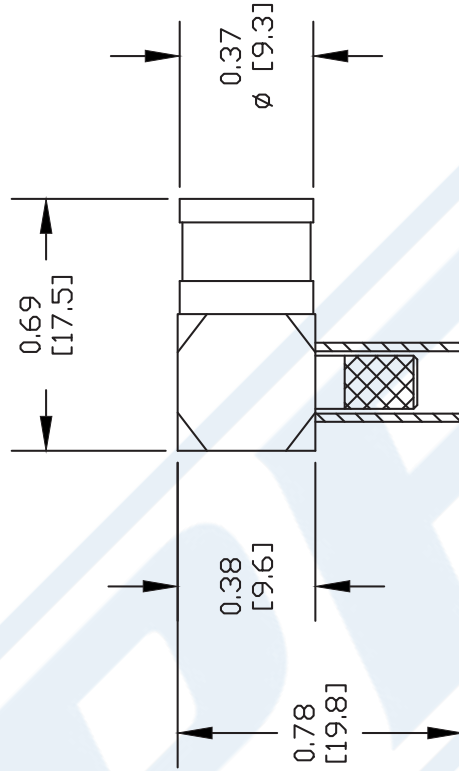
## STRIPPING DIMENSIONS

## ASSEMBLY PROCEDURES

1. STRIP CABLE AS SHOWN & SLIDE FERRULE OVER CABLE.
2. INSTALL CABLE INTO BODY OF CONNECTOR AND SOLDER SOLDER CENTER CONDUCTOR IN PLACE.
3. CRIMP FERRULE & PRESS CAP DOWN.

## CRIMP SIZE REQUIRED

FERRULE: .178" 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

**PE4161**

NOTES:

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3. DIMENSIONS ARE IN INCHES [mm].
4. FITS MIL-C-17 AND EQUIVALENT CABLES.

REV. A

FSCM NO. 53919

CAD FILE 021508

SCALE N/A

SIZE A

127



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#### Environmental Specifications

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#### Plotted and Other Data

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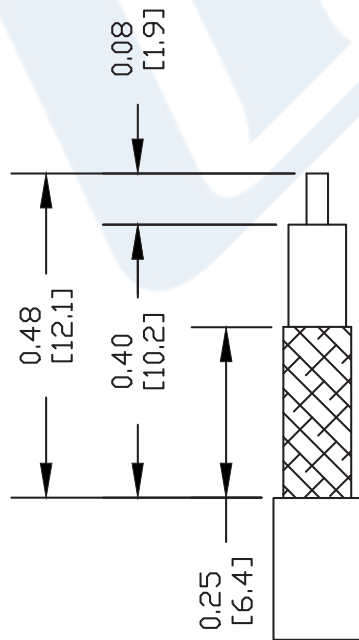
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# PE4161 CAD Drawing

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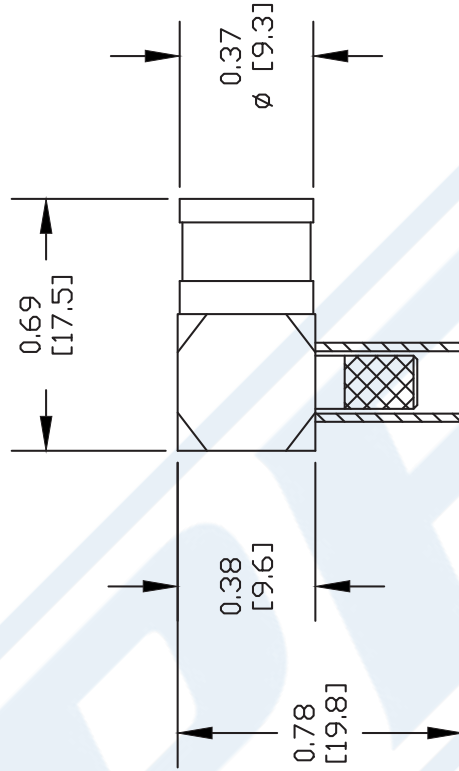
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DWG TITLE

**PE4161**

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REV. A

FSCM NO. 53919

CAD FILE 021508

SCALE N/A

SIZE A

127



## 95 Ohm Flexible RG180 Coax Cable Single Shielded with Tan FEP Jacket

### RF Cables Technical Data Sheet

**RG180B/U**

#### Configuration

- Flexible Cable
- 1 Shield(s)

#### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		3	GHz
Impedance		95		Ohms
Velocity of Propagation		70		%
Dielectric Withstanding Voltage (AC)			2,000	Vrms
Jacket Spark			2,000	Vrms
Nominal Capacitance		17.4 [57.09]		pF/ft [pF/m]

#### Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	400					MHz
Attenuation, Typ	17					dB/100ft
	55.77					dB/100m

#### Mechanical Specifications

Diameter	0.141 in [3.58 mm]
Weight	0.0198 lbs/ft [0.03 Kg/m]

#### Construction Specifications

Description	Material and Plating	Diameter
Inner Conductor	Copper Clad Steel, Silver, 7 Strands	
Conductor Type	Stranded	
Dielectric	PTFE	0.102 in [2.59 mm]
First Shield	Silver Plated Copper Braid 91% coverage	0.12 in [3.05 mm]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [95 Ohm Flexible RG180 Coax Cable Single Shielded with Tan FEP Jacket RG180B/U](#)

## 95 Ohm Flexible RG180 Coax Cable Single Shielded with Tan FEP Jacket

### RF Cables Technical Data Sheet

RG180B/U

Jacket	FEP, Tan	0.141 in [3.58 mm]
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#### Environmental Specifications

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

#### Plotted and Other Data

Notes:

95 Ohm Flexible RG180 Coax Cable Single Shielded with Tan FEP 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: [95 Ohm Flexible RG180 Coax Cable Single Shielded with Tan FEP Jacket RG180B/U](#)

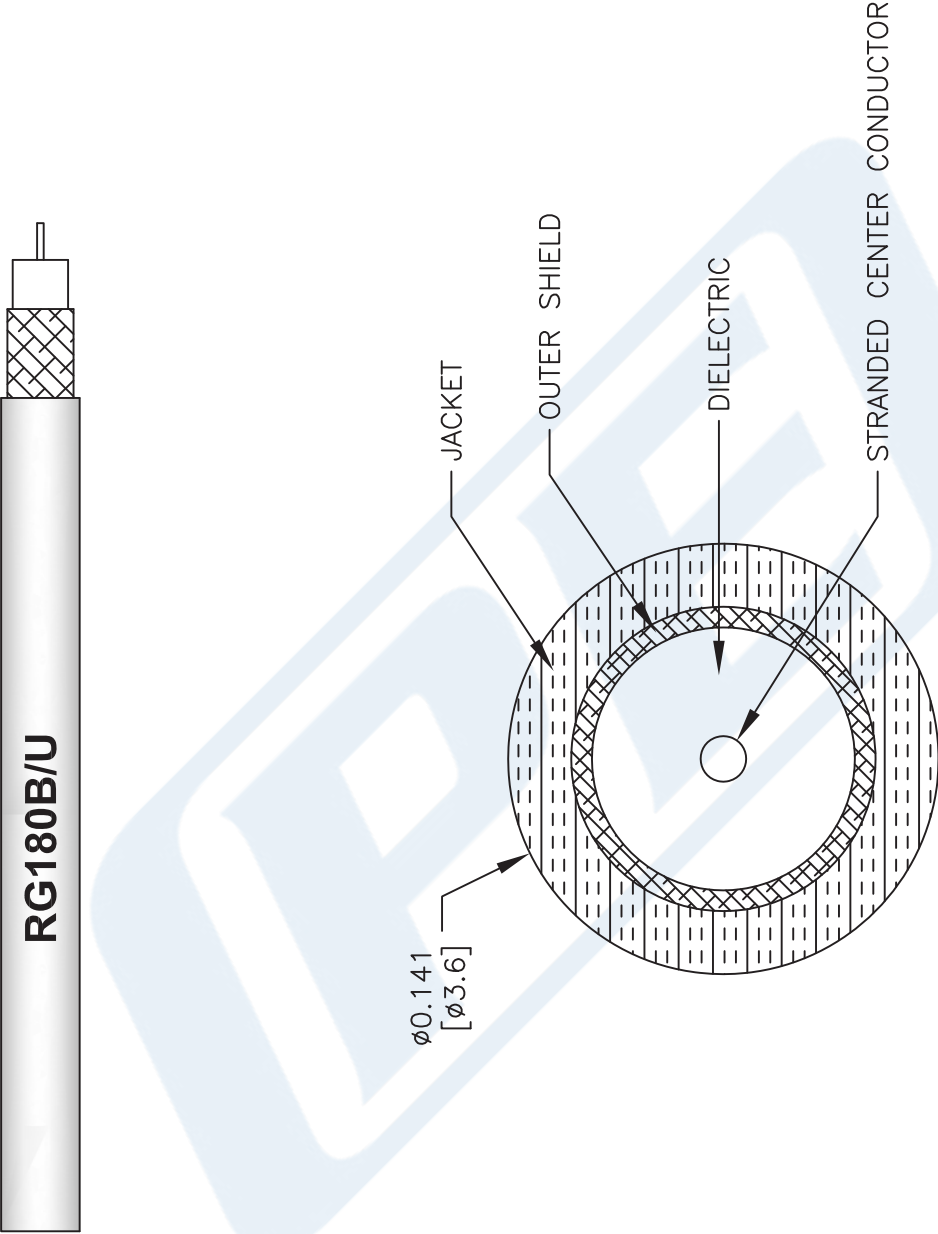
URL: <https://www.pasternack.com/flexible-0.145-rg180-95-ohm-twinax-cable-fep-jacket-rg180b-u-p.aspx>

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RG180B/U CAD Drawing

95 Ohm Flexible RG180 Coax Cable Single Shielded with Tan FEP Jacket



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DWG TITLE		FSCM NO. 53919		CAD FILE 111716		SCALE N/A	SIZE A	41742
RG180B/U								



**PASTERNAK®**  
THE ENGINEER'S RF SOURCE

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