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75 Ohm SMB Positive Snap Plug Right Angle Connector Crimp/Solder Attachment For RG180, RG195

TECHNICAL DATA SHEET PE44446

75 Ohm SMB Positive Snap Plug Right Angle Connector Crimp/Solder Attachment For RG180, RG195

Configuration

Connector	SMB Positive Snap Plug
Connector Interface Type	RG180,RG195
Cable Attachment Method (Shield/Contact)	Crimp/Solder
Body Style	Right Angle

Electrical Specifications

Impedance, Ohms	75

Mechanical Specifications

Size

Length, in [mm]	0.88 [22.35]
Width/Dia., in [mm]	0.4 [10.16]
Height, in [mm]	0.88 [22.35]
Weight, lbs [g]	0.027 [12.25]

Connector

Type	SMB Positive Snap Plug
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

Plotted and Other Data

Notes:	Values at 25 °C, sea level

75 Ohm SMB Positive Snap Plug Right Angle Connector Crimp/Solder Attachment For RG180, RG195 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.

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 Positive Snap Plug Right Angle Connector Crimp/Solder Attachment For RG180, RG195 PE44446

URL: http://www.pasternack.com/smb-positive-snap-plug-standard-rg180-rg195-connector-pe44446-p.aspx

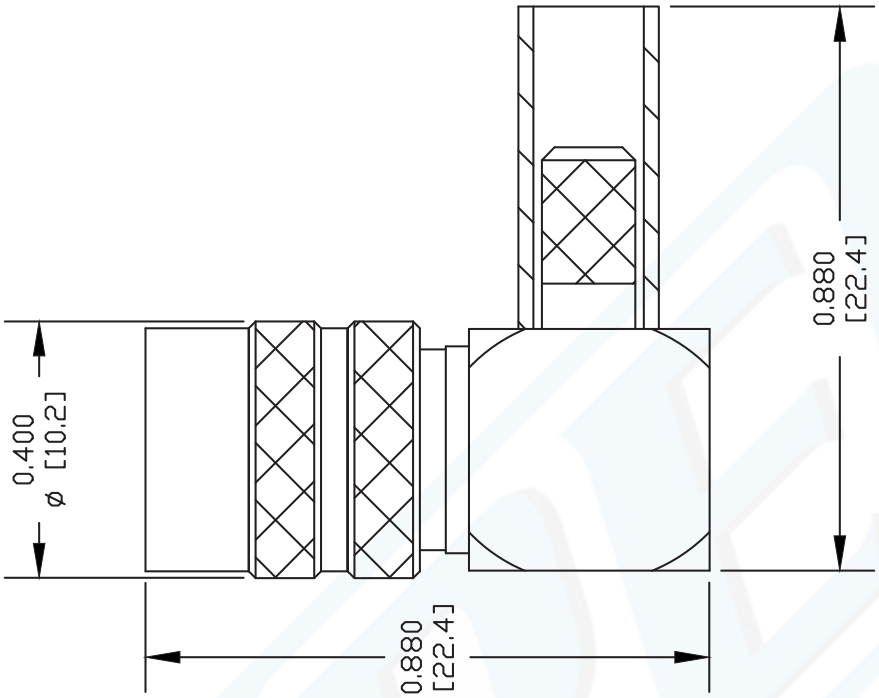
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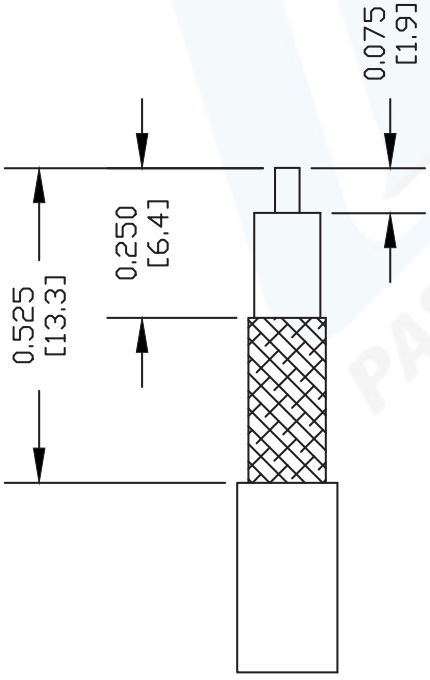
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PE44446 CAD Drawing

75 Ohm SMB Positive Snap Plug Right Angle Connector
Crimp/Solder Attachment For RG180, RG195





STRIPPING DIMENSIONS

ASSEMBLY PROCEDURES

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

CRIMP SIZE REQUIRED

FERRULE: .178" 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	CAD FILE	SCALE	SIZE
PE44446	092804	N/A	A

FSCM NO. 53919

127

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75 Ohm SMB Jack Connector Crimp/Solder Attachment for PE-B150, RG180, RG195

RF Connectors
Technical Data Sheet

PE4163

Configuration

- SMB Jack Connector
- MIL-STD-348
- 75 Ohms
- Straight Body Geometry
- Connector Interface Types: PE-B150, RG180, RG195

Features

- Max. Operating Frequency 4 GHz
- Gold Plated Contact
- Contact plating according to MIL-G-45204

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE4163 75 ohm SMB jack 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. Our SMB jack connector operates up to a maximum frequency of 4 GHz.

Our 75 ohm SMB jack connector PE4163 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		4	GHz
Operating Voltage (AC)			375	Vrms
Dielectric Withstanding Voltage (AC)			1,000	Vrms
Insulation Resistance	1,000			MOhms

Mechanical Specifications

Size

Length	1.02 in [25.91 mm]
Width/Dia.	0.345 in [8.76 mm]
Weight	0.012 lbs [5.44 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: 75 Ohm SMB Jack Connector Crimp/Solder Attachment for PE-B150, RG180, RG195 PE4163

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75 Ohm SMB Jack Connector Crimp/Solder Attachment for PE-B150, RG180, RG195

Material Specifications

Description	Material	Plating
Contact	Brass	Gold
Insulation	PTFE	
Body	Brass	Nickel
Crimp Sleeve	Brass	Brass

Environmental Specifications

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

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URL: https://www.pasternack.com/smb-jack-standard-rg180-rg195-connector-pe4163-p.aspx

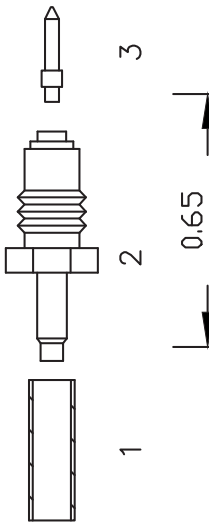
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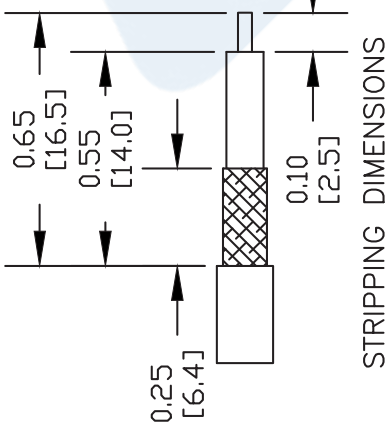
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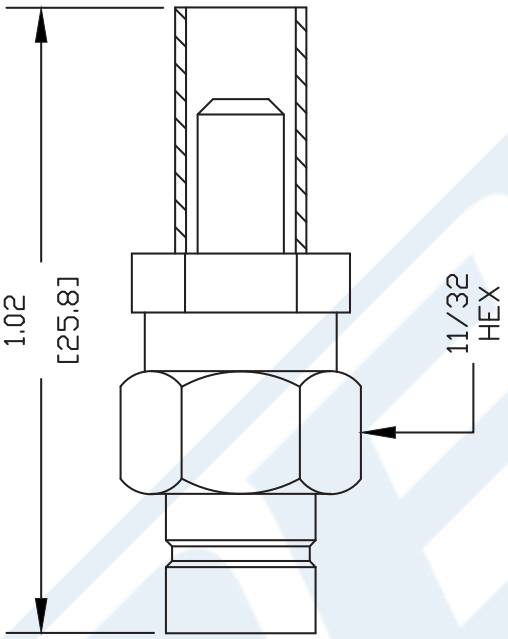
PE4163 CAD Drawing

75 Ohm SMB Jack Connector Crimp/Solder Attachment for PE-B150, RG180, RG195





STRIPPING DIMENSIONS



ASSEMBLY PROCEDURES

1. STRIP CABLE AS SHOWN & SLIDE FERRULE (1) ONTO CABLE. TIN CENTER CONDUCTOR.
2. ADD CRIMP NUT (2) SLIDING EXTENSION BETWEEN BRAID & DIELECTRIC. SLIDE FERRULE (1) OVER BRAID & AGAINST CRIMP NUT (2).
3. SOLDER CONTACT (3) TO CENTER CONDUCTOR.
4. THREAD CRIMP NUT (2) INTO BODY & TIGHTEN. CRIMP FERRULE (1).

CRIMP SIZE REQUIRED

CONTACT: SOLDER
FERRULE: .178" HEX CRIMP TOOL

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

DWG TITLE	REV. -	FSCM NO. 53919	CAD FILE 042309	SCALE N/A	SIZE A	147
PE4163						

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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	0.0175 lbs/ft [0.03 Kg/m]

Construction Specifications

Description	Material and Plating	Diameter
Inner Conductor	Copper Clad Steel, Silver, 7 Strands	0.012 in [0.3 mm]
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

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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]

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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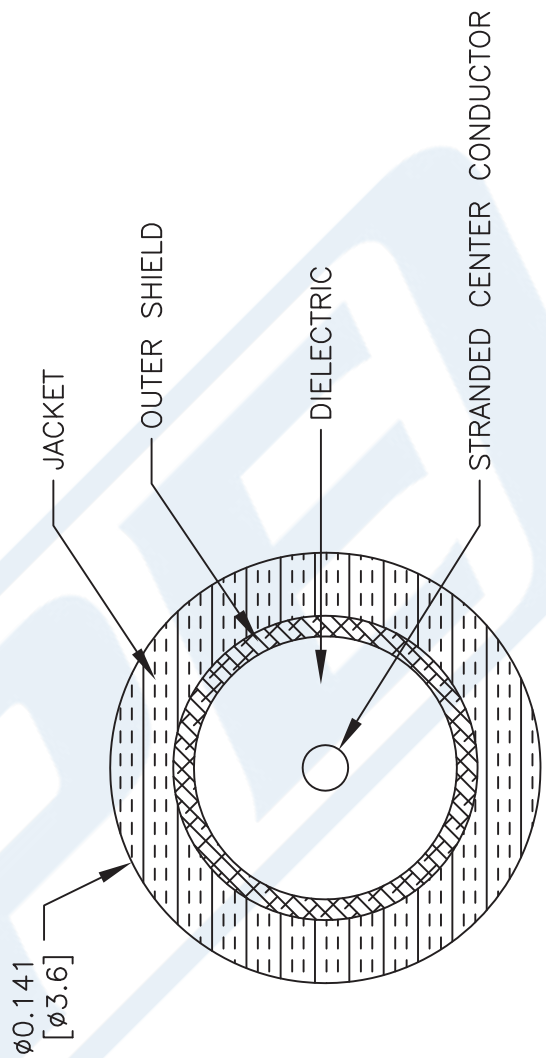
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RG180B/U CAD Drawing

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





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CAD FILE	SCALE	SIZE
111716	N/A	A

DWG TITLE: RG180B/U

FSCM NO. 53919

41742

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