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75 Ohm SMB Positive Snap Plug Connector Crimp/ Solder Attachment For RG179, RG187

TECHNICAL DATA SHEET PE44443

75 Ohm SMB Positive Snap Plug Connector Crimp/Solder Attachment For RG179, RG187

Configuration

Connector	SMB Positive Snap Plug
Connector Interface Type	RG179,RG187
Cable Attachment Method (Shield/Contact)	Crimp/Solder
Body Style	Straight

Electrical Specifications

Impedance, Ohms	75

Mechanical Specifications

Size

Length, in [mm]	1.082 [27.48]
Width/Dia., in [mm]	0.4 [10.16]
Weight, lbs [g]	0.019 [8.62]

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 Connector Crimp/Solder Attachment For RG179, RG187 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 Connector Crimp/Solder Attachment For RG179, RG187 PE44443

URL: http://www.pasternack.com/smb-positive-snap-plug-standard-rg179-rg187-connector-pe44443-p.aspx

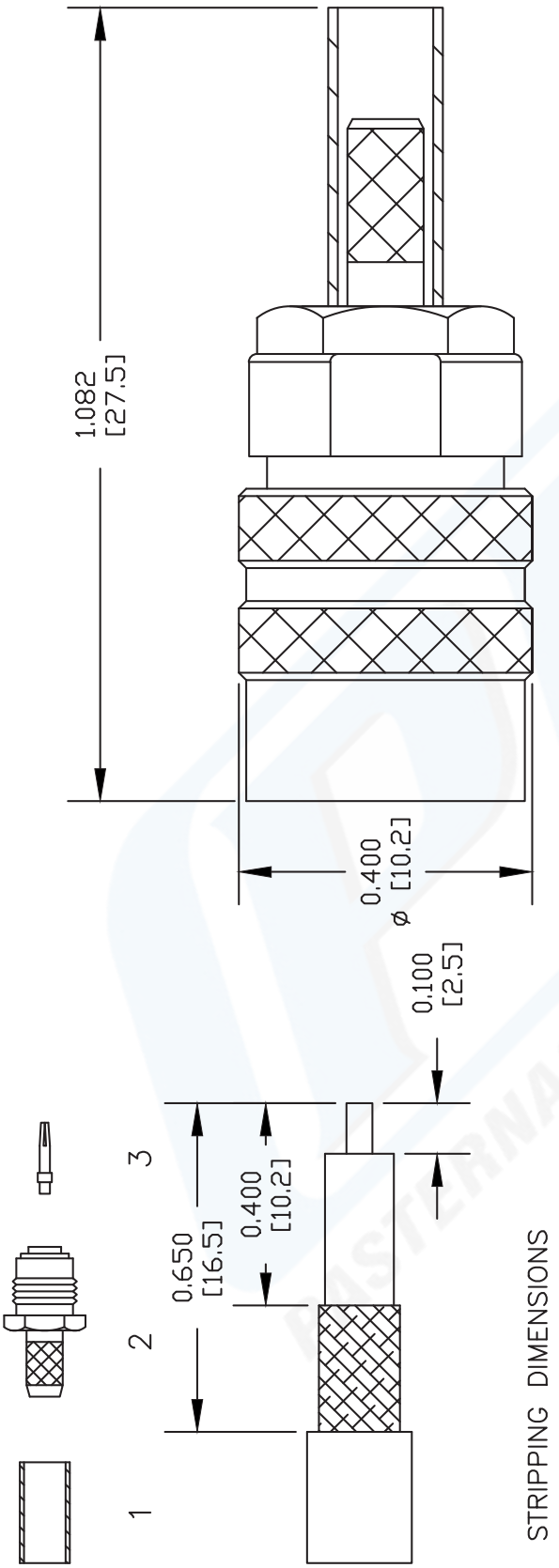
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PE44443 CAD Drawing

75 Ohm SMB Positive Snap Plug Connector Crimp/Solder Attachment For RG179, RG187



STRIPPING DIMENSIONS

ASSEMBLY PROCEDURES

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

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	CAD FILE	SCALE	SIZE	
PE44443	080504	N/A	A	127
FSCM NO. 53919				

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75 Ohm SMB Jack Connector Clamp/Solder Attachment for RG179, RG187



RF Connectors Technical Data Sheet PE4928

Configuration

- SMB Jack Connector
- MIL-STD-348
- 75 Ohms
- Straight Body Geometry
- RG179, RG187 Interface Type
- Clamp/Solder Attachment

Features

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

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE4928 75 ohm SMB jack connector with clamp/solder attachment for RG179 and RG187 is part of our full line of RF components available for same-day shipping.

Our 75 ohm SMB jack connector PE4928 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	0.71 in [18.03 mm]
Width/Dia.	0.344 in [8.74 mm]
Weight	0.013 lbs [5.9 g]

Material Specifications

Description	Material	Plating
Contact		Gold MIL-G-45204
Insulation	PTFE	
Body	Brass	Nickel QQ-N-290

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75 Ohm SMB Jack Connector Clamp/Solder Attachment for RG179, RG187

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

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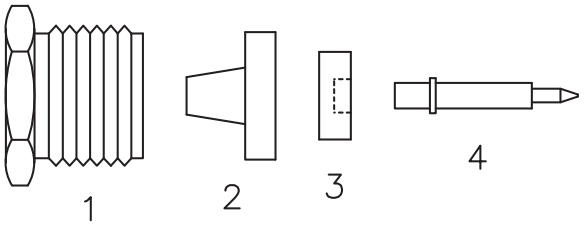
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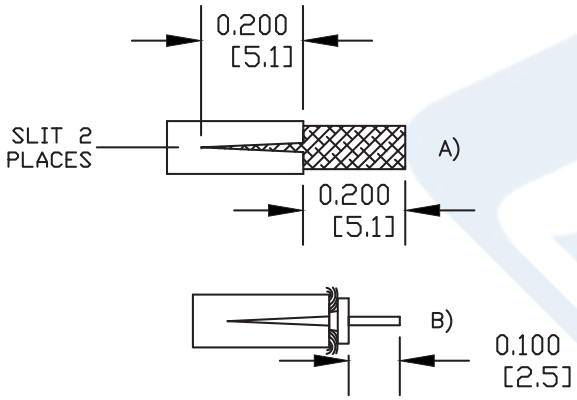
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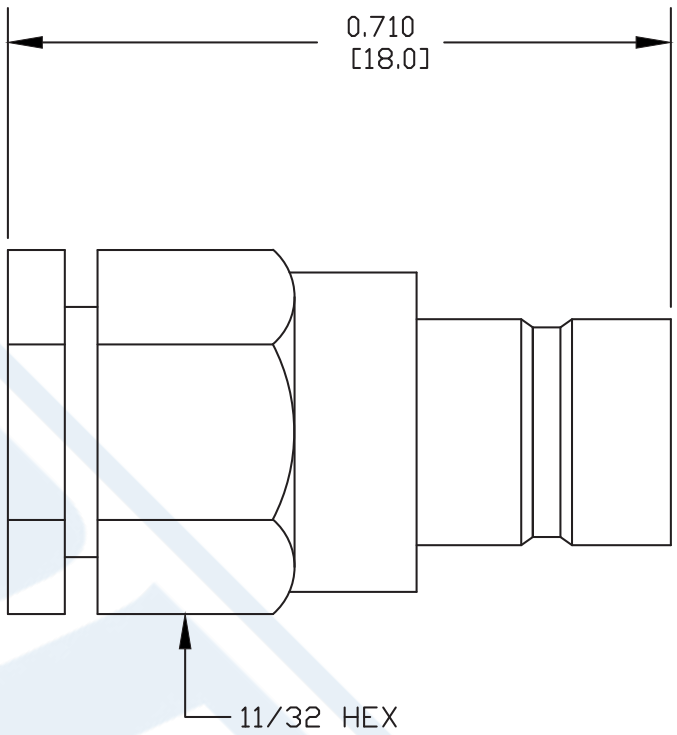
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STRIPPING DIMENSIONS



ASSEMBLY PROCEDURES

1. SLIDE CLAMP NUT (1) OVER CABLE STRIP CABLE AS SHOWN IN (A) DO NOT NICK CENTER CONDUCTOR. SLIT JACKET IN 2 PLACES.
2. FLAIR BRAID & SLIDE BRAID CLAMP (2) UNDER BRAID WITH DIELECTRIC PROTRUDING THROUGH HOLE. CUT DIELECTRIC AS SHOWN IN (B) DO NOT NICK CENTER CONDUCTOR.
3. SLIDE PTFE (3) OVER CENTER CONDUCTOR. SOLDER CONTACT (4) TO CENTER CONDUCTOR.
4. INSTALL CABLE ASSEMBLY INTO BODY & TIGHTEN.

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DWG TITLE

PE4928

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

FSCM NO. 53919	CAD FILE 061402	SCALE N/A	SIZE A	127

PE4928 CAD Drawing

75 Ohm SMB Jack Connector Clamp/Solder Attachment for RG179, RG187

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75 Ohm Flexible RG179 Coax Cable Single Shielded with Tan FEP Jacket

RF Cables Technical Data Sheet RG179B/U

Configuration

- Flexible Cable
- 1 Shield(s)

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		3	GHz
Impedance		75		Ohms
Velocity of Propagation		70		%
Operating Voltage (AC)			900	Vrms
Nominal Capacitance		19.4 [63.65]		pF/ft [pF/m]

Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	100	400	1,000			MHz
Attenuation, Typ	9.06	18.4	30			dB/100ft
	29.72	60.37	98.43			dB/100m

Mechanical Specifications

Diameter	0.1 in [2.54 mm]
Weight	0.01 lbs/ft [0.01 Kg/m]
Min. Bend Radius (Repeated)	0.4 in [10.16 mm]

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	0.063 in [1.6 mm]
First Shield	Silver Plated Copper Braid	0.08 in [2.03 mm]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: 75 Ohm Flexible RG179 Coax Cable Single Shielded with Tan FEP Jacket RG179B/U

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75 Ohm Flexible RG179 Coax Cable Single Shielded with Tan FEP Jacket

Jacket	FEP, Tan	0.1 in [2.54 mm]

Environmental Specifications

Temperature

Operating Range	-55 to +200 deg C

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

75 Ohm Flexible RG179 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.

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URL: https://www.pasternack.com/flexible-0.100-rg179-75-ohm-coax-cable-fep-jacket-rg179b-u-p.aspx

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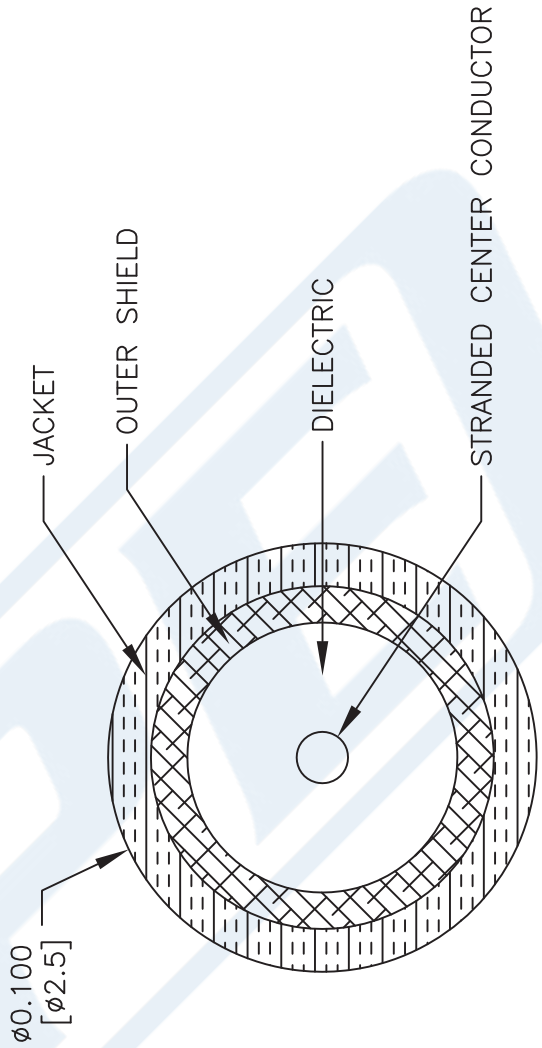
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RG179B/U CAD Drawing

75 Ohm Flexible RG179 Coax Cable Single Shielded with Tan FEP Jacket





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CAD FILE	SCALE	SIZE
111716	N/A	A

DWG TITLE: RG179B/U

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41742

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