



75 Ohm 1.6/5.6 Jack Right Angle Bulkhead Connector Crimp/  
Solder Attachment For RG179, RG187, .362 inch DD Hole

TECHNICAL DATA SHEET

PE44268

**75 Ohm 1.6/5.6 Jack Right Angle Bulkhead Connector Crimp/Solder Attachment For RG179, RG187, .362 inch DD Hole**

**Configuration**

Connector	1.6/5.6 Jack
Connector Interface Type	RG179, RG187
Cable Attachment Method (Shield/Contact)	Crimp/Solder
Body Style	Right Angle
Mount Method	Bulkhead

**Electrical Specifications**

Impedance, Ohms	75
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**Mechanical Specifications**

**Size**

Length, in [mm]	1.035 [26.29]
Width/Dia., in [mm]	0.433 [11.00]
Height, in [mm]	0.705 [17.91]
Weight, lbs [g]	0.027 [12.25]

**Connector**

Type	1.6/5.6 Jack
Contact Material and Plating	Beryllium Copper, Gold
Contact Plating Specification	30μ in. minimum
Body Material and Plating	Brass, Nickel
Body Plating Specification	100μ in. minimum
Dielectric Type	Teflon

**Compliance Certifications** (visit [www.Pasternack.com](http://www.Pasternack.com) for current document)

RoHS Compliant	Yes
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Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [75 Ohm 1.6/5.6 Jack Right Angle Bulkhead Connector Crimp/Solder Attachment For RG179, RG187, .362 inch DD Hole PE44268](#)

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.



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**Plotted and Other Data**

Notes:

Values at 25 °C, sea level

75 Ohm 1.6/5.6 Jack Right Angle Bulkhead Connector Crimp/Solder Attachment For RG179, RG187, .362 inch DD Hole 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.

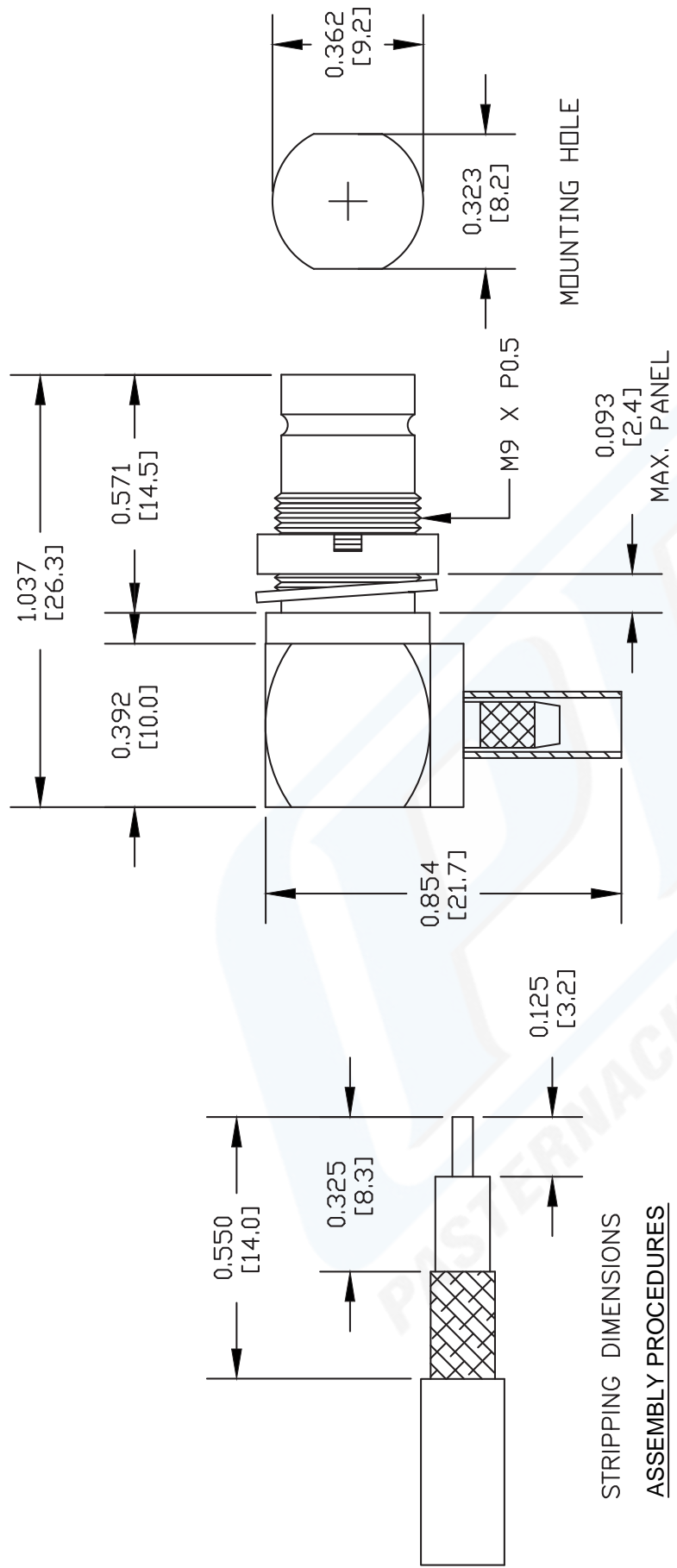
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [75 Ohm 1.6/5.6 Jack Right Angle Bulkhead Connector Crimp/Solder Attachment For RG179, RG187, .362 inch DD Hole PE44268](http://www.pasternack.com/1.6-5.6-jack-standard-rg179-rg187-connector-pe44268-p.aspx)

URL: <http://www.pasternack.com/1.6-5.6-jack-standard-rg179-rg187-connector-pe44268-p.aspx>

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PE44268 CAD Drawing

75 Ohm 1.6/5.6 Jack Right Angle Bulkhead Connector Crimp/  
Solder Attachment For RG179, RG187, .362 inch DD Hole

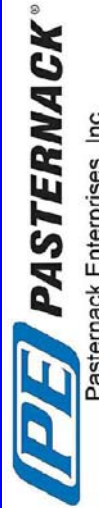


STRIPPING DIMENSIONS  
ASSEMBLY PROCEDURES

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

CRIMP SIZE REQUIRED

FERRULE: .128" HEX CRIMP TOOL



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DWG TITLE  
**PE44268**

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

CAD FILE 070202

SCALE N/A

SIZE A

127



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

### RF Connectors Technical Data Sheet

**PE44872**

#### Configuration

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

#### Features

- Max. Operating Frequency 2 GHz
- Gold Plated Brass Contact
- Contact plating according to MIL-G-45204

#### Applications

- General Purpose Test
- Custom Cable Assemblies

#### Description

Pasternack's PE44872 75 ohm SMB jack connector with crimp/solder attachment for RG179 and RG187 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 2 GHz.

Our 75 ohm SMB jack connector PE44872 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		2	GHz
Operating Voltage (AC)			250	Vrms
Dielectric Withstanding Voltage (AC)			750	Vrms
Insulation Resistance	1,000			MOhms

#### Mechanical Specifications

##### Size

Length	0.95 in [24.13 mm]
Width/Dia.	0.36 in [9.14 mm]
Weight	0.009 lbs [4.08 g]

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 RG179, RG187 PE44872](#)



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

RF Connectors Technical Data Sheet

PE44872

**Material Specifications**

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

**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 Jack Connector Crimp/Solder Attachment for RG179, RG187 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.

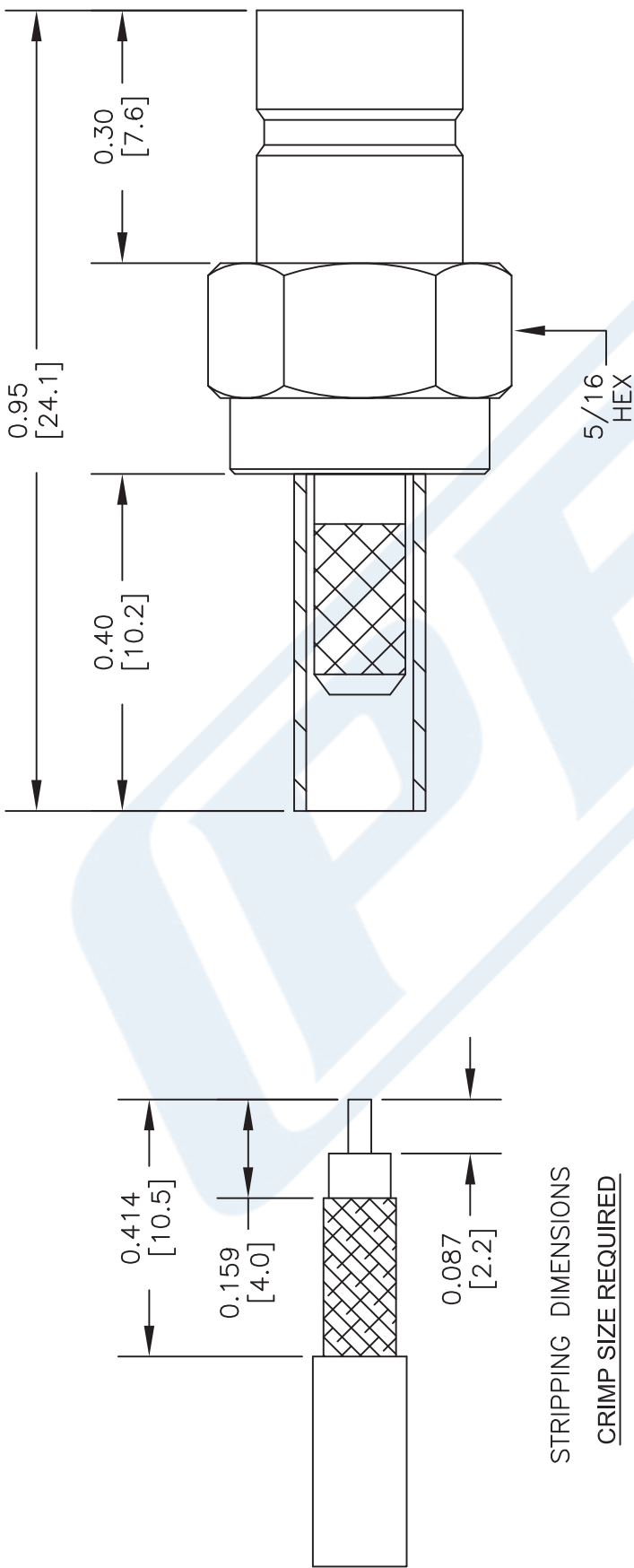
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [75 Ohm SMB Jack Connector Crimp/Solder Attachment for RG179, RG187 PE44872](#)

URL: <https://www.pasternack.com/smb-jack-standard-rg179-rg187-connector-pe44872-p.aspx>

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PE44872 CAD Drawing

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



STRIPPING DIMENSIONS  
CRIMP SIZE REQUIRED  
CONTACT: SOLDER  
FERRULE: .128" HEX CRIMP TOOL

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

DWG TITLE  
**PE44872**

FSCM NO. 53919

CAD FILE 102513  
SCALE N/A  
SIZE A  
2233

**PE PASTERNAK®**  
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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](#)

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

### RF Cables Technical Data Sheet

RG179B/U

Jacket	FEP, Tan	0.1 in [2.54 mm]
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#### 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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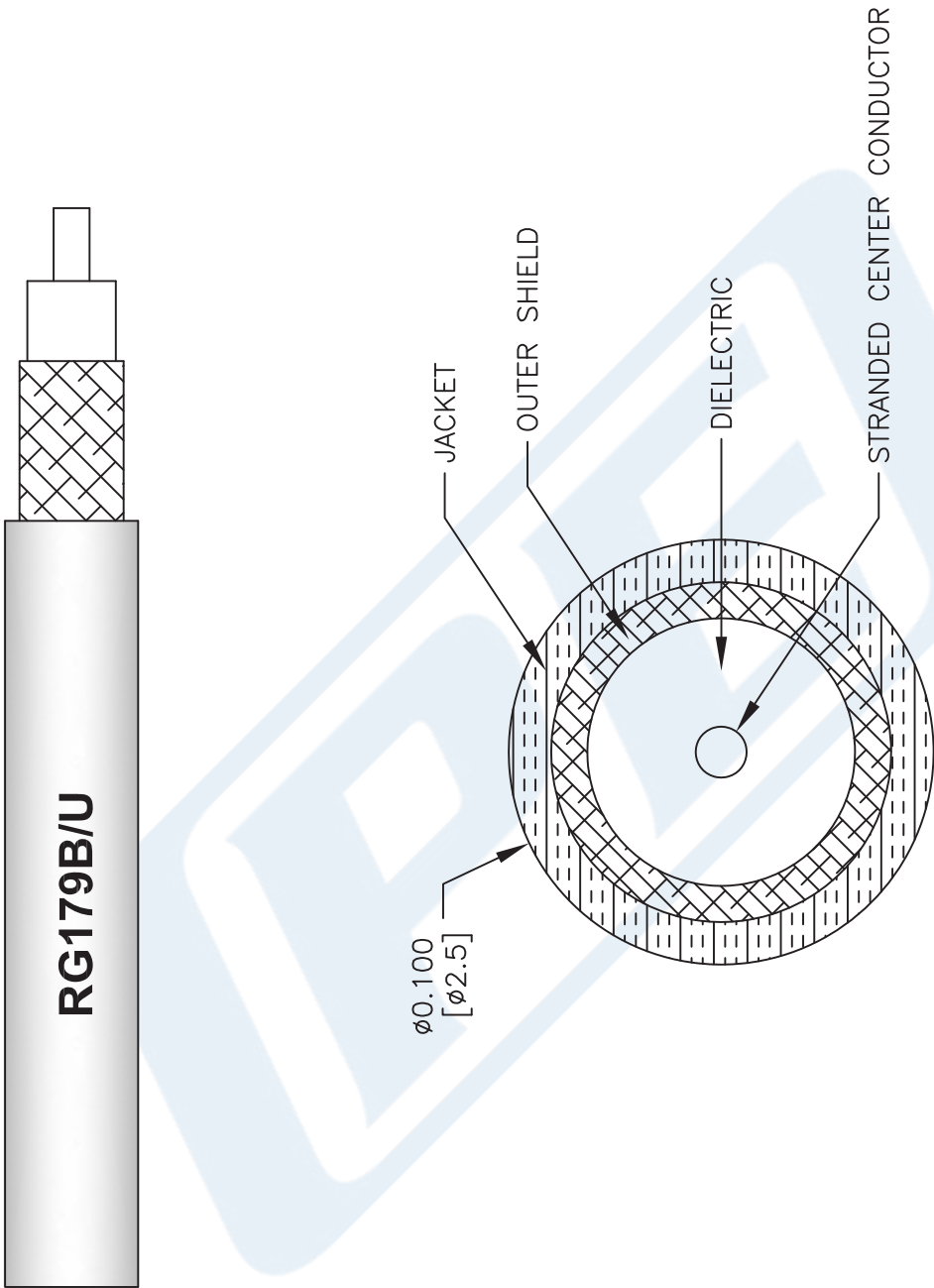
URL: <https://www.pasternack.com/flexible-0.100-rg179-75-ohm-coax-cable-fep-jacket-rg179b-u-p.aspx>

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# RG179B/U CAD Drawing

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



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DWG TITLE  
**RG179B/U**

FSCM NO. 53919

CAD FILE 111716

SCALE N/A

SIZE A

41742

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 THE ENGINEER'S RF SOURCE  
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