



75 Ohm TNC Male Right Angle Connector Clamp/ Solder Attachment for RG179, RG187

RF Connectors Technical Data Sheet

PE44172

Configuration

- TNC Male Connector
- MIL-STD-348
- 75 Ohms
- Right Angle Body Geometry
- RG179, RG187 Interface Type
- Clamp/Solder Attachment

Features

- Silver Plated Contact
- Contact plating according to QQ-S-365

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE44172 75 ohm TNC male right angle connector with clamp/solder attachment for RG179 and RG187 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 TNC male right angle connector PE44172 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	1.48 in [37.59 mm]
Width/Dia.	0.59 in [14.99 mm]
Height	1.032 in [26.21 mm]
Weight	0.078 lbs [35.38 g]

Material Specifications

Description	Material	Plating
Contact		Silver QQ-S-365
Insulation	PTFE	
Body	Brass	Nickel QQ-N-290
Coupling Nut	Brass	Nickel QQ-N-290

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [75 Ohm TNC Male Right Angle Connector Clamp/Solder Attachment for RG179, RG187 PE44172](#)



75 Ohm TNC Male Right Angle Connector Clamp/
Solder Attachment for RG179, RG187

RF Connectors Technical Data Sheet

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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 TNC Male Right Angle Connector Clamp/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.

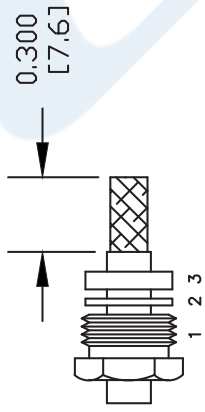
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URL: <https://www.pasternack.com/tnc-male-standard-rg179-rg187-connector-pe44172-p.aspx>

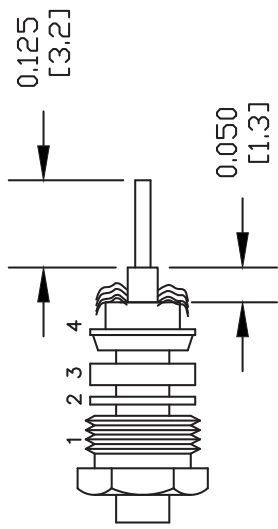
The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Pasternack reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack does not assume any liability arising out of the use of any part or documentation.

ASSEMBLY PROCEDURES

1. SLIDE CLAMP NUT (1), WASHER (2) & GASKET (3) OVER CABLE. STRIP CABLE AS SHOWN. DO NOT NICK BRAID WHILE CUTTING JACKET. TAPER END OF BRAID TO PERMIT ASSEMBLY OF BRAID CLAMP (4). SLIDE BRAID CLAMP (4) OVER BRAID & SEAT AGAINST CABLE.



2. FORM BRAID OVER CLAMP NUT (4). TRIM BRAID BACK TO SHOULDER. CUT DIELECTRIC & CENTER CONDUCTOR TO DIMENSION SHOWN. DO NOT NICK CENTER CONDUCTOR. SOLDER CONTACT TO CENTER CONDUCTOR. REMOVE EXCESS SOLDER. DO NOT OVER HEAT DIELECTRIC. INSERT CABLE ASSEMBLY INTO BODY & TIGHTEN.



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DWG TITLE

PE44172

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 010703

SCALE N/A

SIZE A

XXXX



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

TECHNICAL DATA SHEET

PE44445

75 Ohm SMB Positive Snap Plug Right Angle 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	Right Angle

Electrical Specifications

Impedance, Ohms	75
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Mechanical Specifications

Size

Length, in [mm]	0.875 [22.23]
Width/Dia., in [mm]	0.4 [10.16]
Height, in [mm]	0.78 [19.81]
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
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Plotted and Other Data

Notes:	Values at 25 °C, sea level
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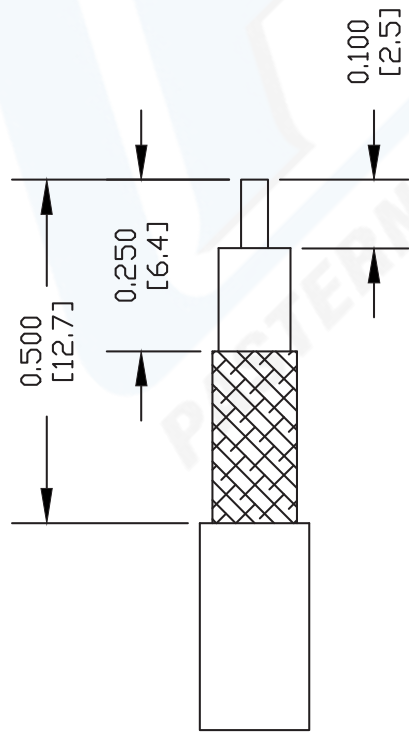
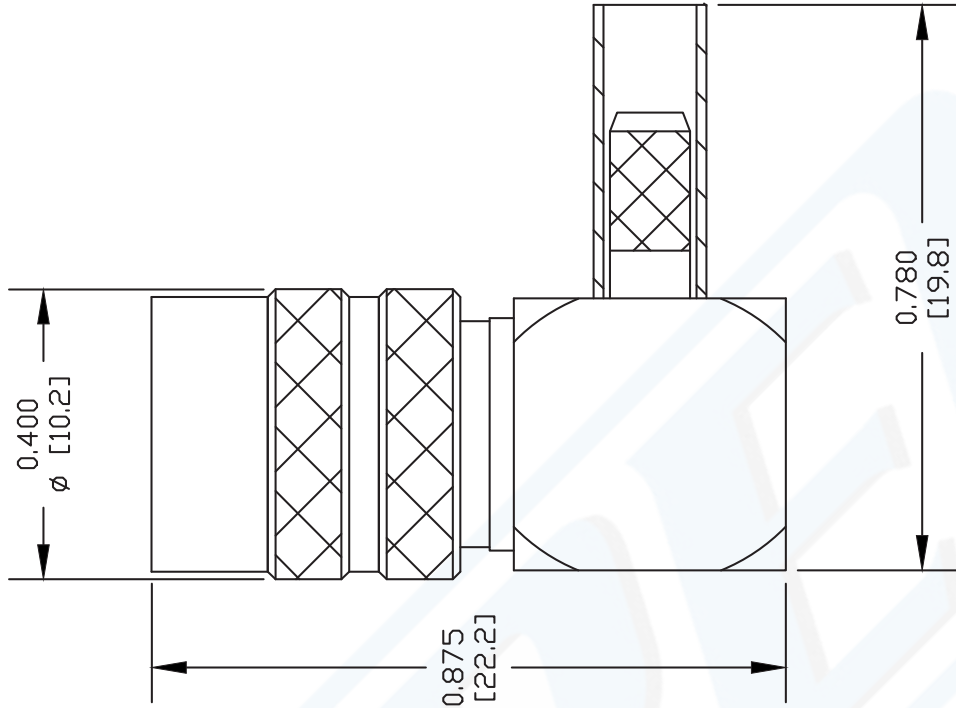
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URL: <http://www.pasternack.com/smb-positive-snap-plug-standard-rg179-rg187-connector-pe44445-p.aspx>

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PE44445 CAD Drawing

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



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 & PRESS CAP DOWN.

CRIMP SIZE REQUIRED

FERRULE: .128" HEX CRIMP TOOL

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DWG TITLE
PE44445

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

FSCM NO. 53919

CAD FILE 092804

SCALE N/A

SIZE A

127

75 Ohm Flexible RG187 Coax Cable Single
Shielded with White PTFE Jacket

TECHNICAL DATA SHEET

RG187A/U

75 Ohm Flexible RG187 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	75
Velocity of Propagation, %	69.5
Maximum Operating Frequency, GHz	3
Capacitance, pF/ft [pF/m]	22 [72.18]
Maximum Operating Voltage, Volts	900
Dielectric Withstanding Voltage, Vrms	1,500

Electrical Specifications by Frequency
Frequency 1

Frequency, MHz	400
Attenuation, dB/100ft [dB/100m]	21 [68.9]
Power Handling, KWatts	1,400

Mechanical Specifications

Inner Conductor

Number of Strands	7
Material	Copper Clad Steel
Plating	Silver
Diameter, in [mm]	0.012 [0.3]

Dielectric:

Type	PTFE
Diameter, in [mm]	0.063 [1.6]

Shield:

Number of	1
Material 1	Silver Plated Copper Braid
Diameter, in [mm]	0.081 [2.06]

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 RG187 Coax Cable Single Shielded with White PTFE Jacket RG187A/U](#)

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75 Ohm Flexible RG187 Coax Cable Single
Shielded with White PTFE Jacket

TECHNICAL DATA SHEET

RG187A/U

Jacket:

Material	PTFE
Diameter, in [mm]	0.11 [2.79]
Color	White
Weight, lbs/ft [Kg/m]	0.011 [0.02]

Compliance Certifications (visit www.Pasternack.com for current document)

RoHS Compliant	Yes
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Plotted and Other Data

Notes:	Values at 25 °C, sea level
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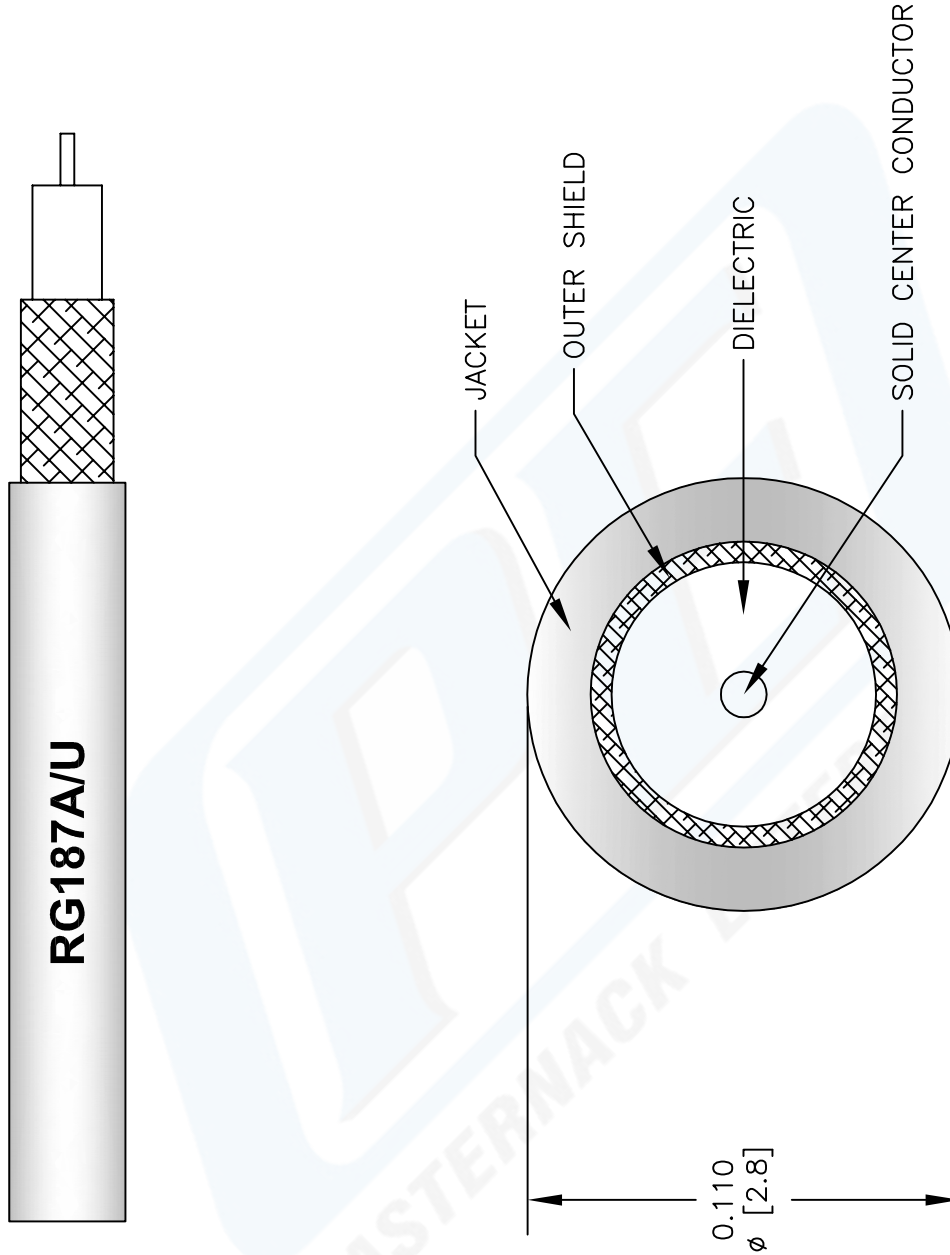
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RG187A/U CAD Drawing

75 Ohm Flexible RG187 Coax Cable Single Shielded with White PTFE Jacket



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DWG TITLE

RG187A/U

REV. B

FSCM NO. 53919

CAD FILE

041812-B

SCALE N/A

SIZE A

2233



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