PASTERNACK®
THE ENGINEER'S RF SOURCE



LC Male Right Angle Connector Clamp/Solder Attachment for RG213, RG214, RG8, RG9, RG225, RG393, RG215

RF Connectors Technical Data Sheet PE44447

Configuration

- LC Male Connector
- MIL-STD-348
- 50 Ohms
- Right Angle Body Geometry
- RG213, RG214, RG8, RG9, RG225, RG393, RG215 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 PE44447 LC male right angle connector with clamp/solder attachment for RG213, RG214, RG8, RG9, RG225, RG393 and RG215 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 LC male right angle connector PE44447 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	2.68 in [68.07 mm]
Width/Dia.	1.5 in [38.10 mm]
Weight	0.646 lbs [293.02 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: LC Male Right Angle Connector Clamp/Solder Attachment for RG213, RG214, RG8, RG9, RG225, RG393, RG215 PE44447

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LC Male Right Angle Connector Clamp/Solder Attachment for RG213, RG214, RG8, RG9, RG225, RG393, RG215

Environmental Specifications

Temperature

Operating Range	-65 to +165 deg C

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

LC Male Right Angle Connector Clamp/Solder Attachment for RG213, RG214, RG8, RG9, RG225, RG393, RG215 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/lc-male-standard-rg213-rg214-rg8-rg9-rg225-rg393-connector-pe44447-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.

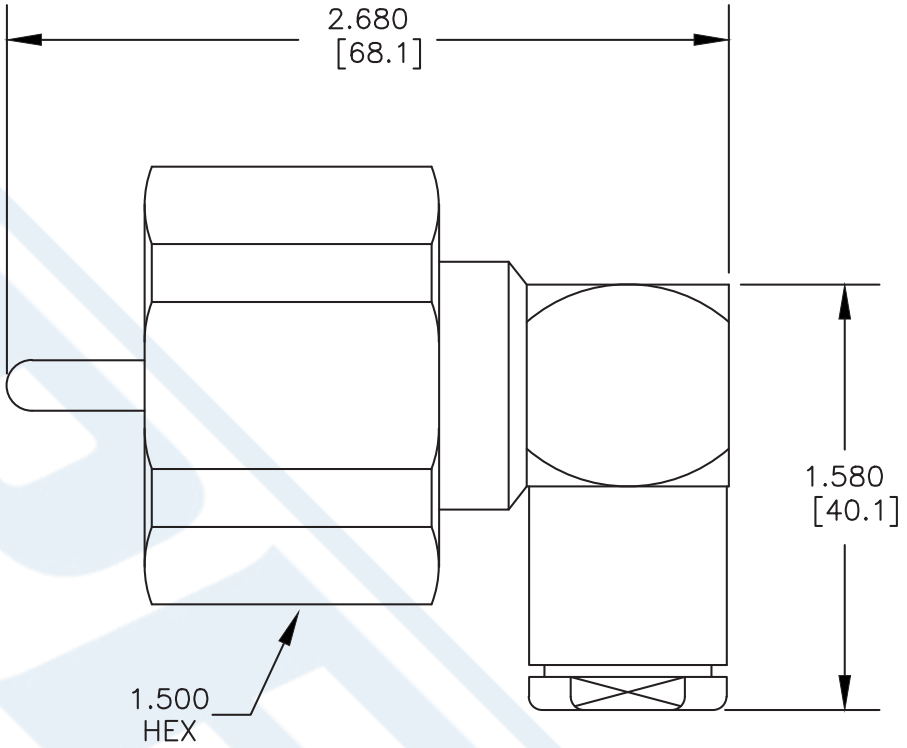
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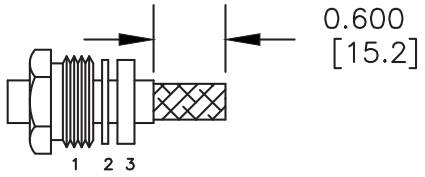
PE44447 CAD Drawing

LC Male Right Angle Connector Clamp/Solder Attachment for RG213, RG214, RG8, RG9, RG225, RG393, RG215

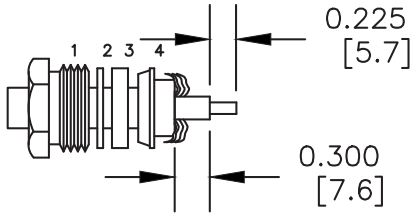


ASSEMBLY PROCEDURES

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 JACKET.



2. FORM BRAID OVER CLAMP NUT (4). CUT DIELECTRIC TO DIMENSION SHOWN. DO NOT NICK CENTER CONDUCTOR. TIN CENTER CONDUCTOR. SLIDE ASSEMBLY INTO BODY, SOLDER CENTER CONDUCTOR, TIGHTEN CLAMP NUT & SCREW CAP IN PLACE.



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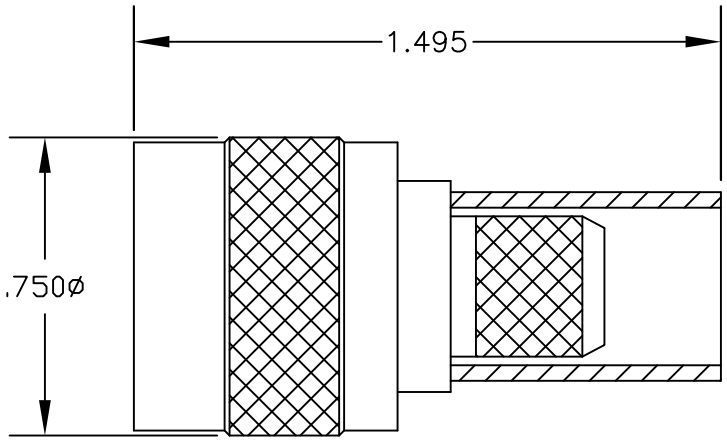
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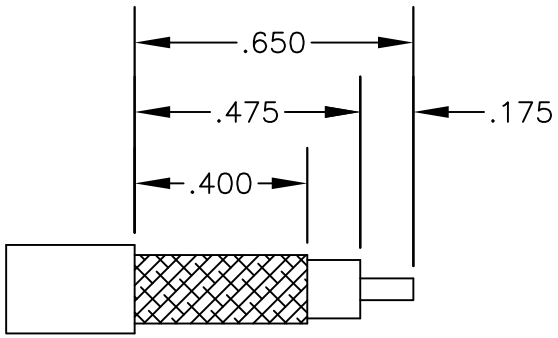
PE44447

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.

FSCM NO. 53919	CAD FILE 032913-A	SCALE N/A	SIZE A	XXXX

MATERIALS	
BODY	BRASS NICKEL PLATED
CONTACT	SILVER PLATED
INSULATOR	PTFE





STRIPPING DIMENSIONS

CRIMP SIZE REQUIRED

CONTACT: SOLDER

FERRULE: .429" HEX CRIMP TOOL

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COAXIAL & FIBER OPTICS

DWG TITLE
PE4518

DES. C MALE, CRIMP ATTACHMENT FOR RG8 & RG213

SIZE A	FSCM NO. 53919	CAD FILE 052202	SCALE N/A		127

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Flexible RG213 Coax Cable Single Shielded with Black PVC Jacket

TECHNICAL DATA SHEET RG213/U

Configuration

Inner Conductor Material and Plating	Copper
Dielectric Type	PE
Shield Materials	Copper Braid
Jacket Material and Color	PVC, Black

Electrical Specifications

Impedance, Ohms	50
Velocity of Propagation, %	66
Maximum Operating Frequency, MHz	1000
Capacitance, pF/ft [pF/m]	30.8 [101.05]

Electrical Specifications by Frequency

Frequency 1

Frequency, MHz	100
Attenuation, dB/100ft [dB/100m]	2.1 [6.89]

Frequency 2

Frequency, MHz	400
Attenuation, dB/100ft [dB/100m]	4.8 [15.75]

Frequency 3

Frequency, MHz	1000
Attenuation, dB/100ft [dB/100m]	8 [26.25]

Mechanical Specifications

Inner Conductor

Number of Strands	7
Material	Copper
Diameter, in [mm]	0.09 [2.29]

Dielectric:

Type	PE
Diameter, in [mm]	0.285 [7.24]

Shield:

Number of	1
Material 1	Copper Braid
Diameter, in [mm]	0.314 [7.98]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: Flexible RG213 Coax Cable Single Shielded with Black PVC Jacket RG213/U

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Flexible RG213 Coax Cable Single Shielded with Black PVC Jacket

TECHNICAL DATA SHEET RG213/U

Jacket:

Material	PVC
Diameter, in [mm]	0.405 [10.29]
Color	Black
Weight, lbs/ft [Kg/m]	0.115 [0.17]

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

RoHS Compliant	
REACH Compliant	06/18/2012

Plotted and Other Data

Notes:

- Values at +25 °C, sea level
- Max. Operating Voltage(VRMS): 5000

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URL: http://www.pasternack.com/flexible-0.405-rg213-50-ohm-coax-cable-pvc-jacket-rg213-u-p.aspx

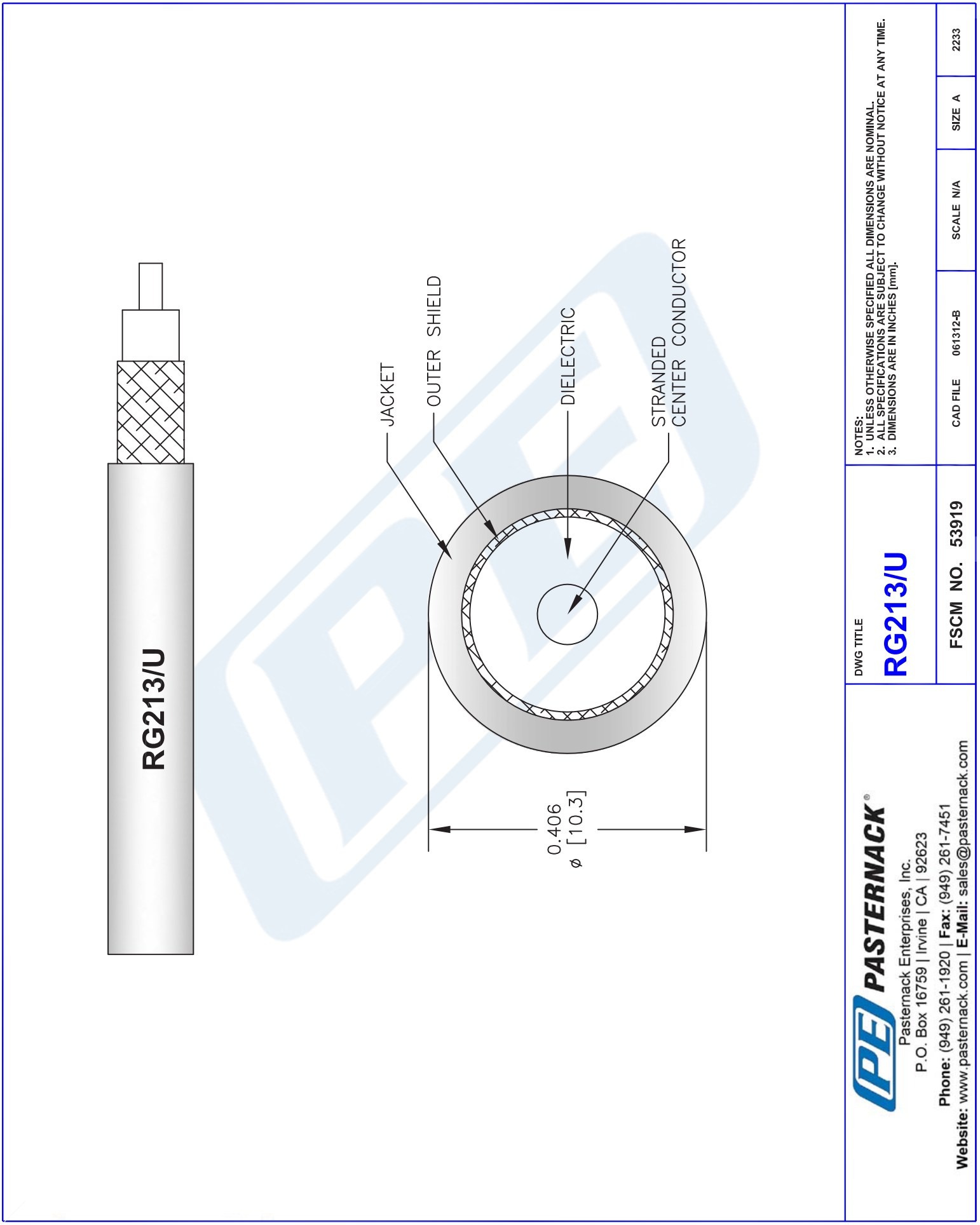
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RG213/U CAD Drawing

Flexible RG213 Coax Cable Single Shielded with Black PVC Jacket



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