



N Male Right Angle Connector Clamp/Solder Attachment for RG58, RG55, RG141, RG142, RG223, RG400, RG303, PE-C195, PE-P195, LMR-195

RF Connectors Technical Data Sheet

PE4135

Configuration

- N Male Connector
- MIL-STD-348A
- 50 Ohms
- Right Angle Body Geometry
- RG58, RG55, RG141, RG142, RG223, RG400, RG303, PE-C195, PE-P195, LMR-195 Interface Type
- Clamp/Solder Attachment

Features

- Max. Operating Frequency 1,000 MHz
- Good VSWR of 1.35:1
- Gold Plated Brass Contact
- 30 µin minimum contact plating

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE4135 type N male right angle connector with clamp/solder attachment for RG58, RG55, RG141, RG142, RG223, RG400, RG303, PE-C195, PE-P195 and LMR-195 is part of our full line of RF components available for same-day shipping. Our type N male connector operates up to a maximum frequency of 1,000 MHz and offers good VSWR of 1.35:1. Its right angle body geometry allows for easier connections in tight spaces.

Our type N male right angle connector PE4135 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		1,000	MHz
VSWR			1.35:1	
Operating Voltage (AC)			1,000	Vrms

Mechanical Specifications

Size	
Length	1.35 in [34.29 mm]
Width/Dia.	0.827 in [21.01 mm]
Height	1.15 in [29.21 mm]
Weight	0.115 lbs [52.16 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Male Right Angle Connector Clamp/Solder Attachment for RG58, RG55, RG141, RG142, RG223, RG400, RG303, PE-C195, PE-P195, LMR-195 PE4135](#)



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RF Connectors Technical Data Sheet

PE4135

Material Specifications

Description	Material	Plating
Contact	Brass	Gold 30 µin minimum
Insulation	PTFE	
Body	Brass	Nickel 100 µin minimum
Coupling Nut	Brass	Nickel 100 µin minimum

Environmental Specifications

Temperature

Operating Range

-65 to +165 deg C

Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

N Male Right Angle Connector Clamp/Solder Attachment for RG58, RG55, RG141, RG142, RG223, RG400, RG303, PE-C195, PE-P195, LMR-195 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: [N Male Right Angle Connector Clamp/Solder Attachment for RG58, RG55, RG141, RG142, RG223, RG400, RG303, PE-C195, PE-P195, LMR-195 PE4135](#)

URL: <https://www.pasternack.com/n-male-rg58-rg55-rg141-rg142-rg223-rg400-connector-pe4135-p.aspx>

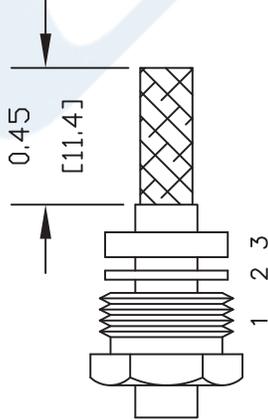
The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Pasternack reserves the right to make such 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.

PE4135 CAD Drawing

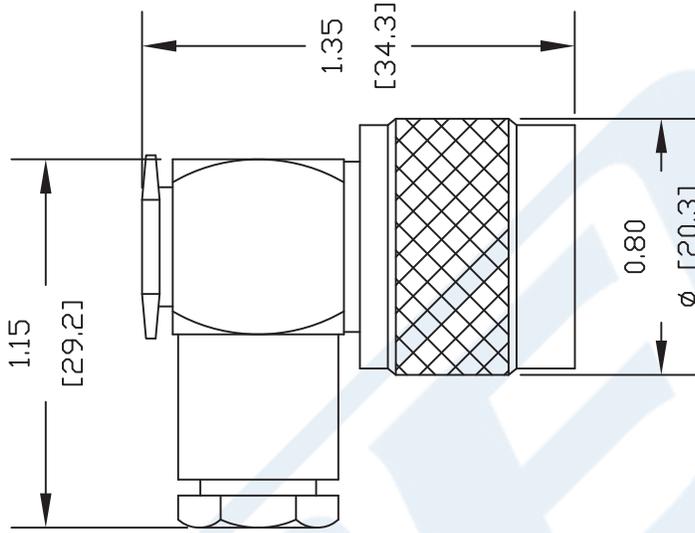
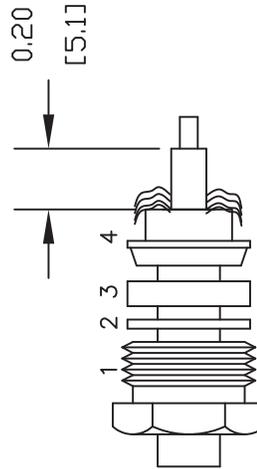
N Male Right Angle Connector Clamp/Solder Attachment for RG58, RG55, RG141, RG142, RG223, RG400, RG303, PE-C195, PE-P195, LMR-195

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). CUT DIELECTRIC TO DIMENSION SHOWN. DO NOT NICK CENTER CONDUCTOR. TIN CENTER CONDUCTOR. SLIDE ASSEMBLY INTO BODY, SOLDER CENTER CONDUCTOR IN PLACE & TIGHTEN CLAMP NUT. SCREW CAP DOWN INTO PLACE.



DWG TITLE

PE4135

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.

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REV. - FSCM NO. 53919

CAD FILE 042309

SCALE N/A

SIZE A

147



N Female Connector Clamp/Solder Attachment
4 Hole Flange For RG58, RG55, RG141, RG142,
RG223, RG400, .718 inch Hole Spacing

TECHNICAL DATA SHEET

PE4141

N Female Connector Clamp/Solder Attachment 4 Hole Flange For RG58, RG55, RG141, RG142, RG223, RG400, .718 inch Hole Spacing

Configuration

Connector	N Female
Connector Interface Type	RG58, RG55, RG141, RG142, RG223, RG400
Cable Attachment Method (Shield/Contact)	Clamp/Solder
Body Style	Straight
Mount Method	4 Hole Flange

Electrical Specifications

Impedance, Ohms	50
Maximum Operating Voltage, Volts	1,000

Mechanical Specifications

Temperature

Operating Range, deg C	-65 to +165
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Size

Length, in [mm]	1.378 [35]
Width/Dia., in [mm]	1 [25.40]
Height, in [mm]	1 [25.4]
Weight, lbs [g]	0.096 [43.54]

Connector

Type	N Female
Contact Material and Plating	Brass, Gold
Contact Plating Specification	30µ in. minimum
Outer Conductor Material and Plating	Brass, Nickel
Outer Conductor Plating Specification	100µ in. minimum
Body Material and Plating	Brass, Nickel
Body Plating Specification	100µ in. minimum
Dielectric Type	Teflon

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

RoHS Compliant	Yes
REACH Compliant	06/18/2012

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Female Connector Clamp/Solder Attachment 4 Hole Flange For RG58, RG55, RG141, RG142, RG223, RG400, .718 inch Hole Spacing PE4141](#)

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N Female Connector Clamp/Solder Attachment
4 Hole Flange For RG58, RG55, RG141, RG142,
RG223, RG400, .718 inch Hole Spacing

TECHNICAL DATA SHEET

PE4141

Plotted and Other Data

Notes:

Values at 25 °C, sea level

N Female Connector Clamp/Solder Attachment 4 Hole Flange For RG58, RG55, RG141, RG142, RG223, RG400, .718 inch Hole Spacing 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.

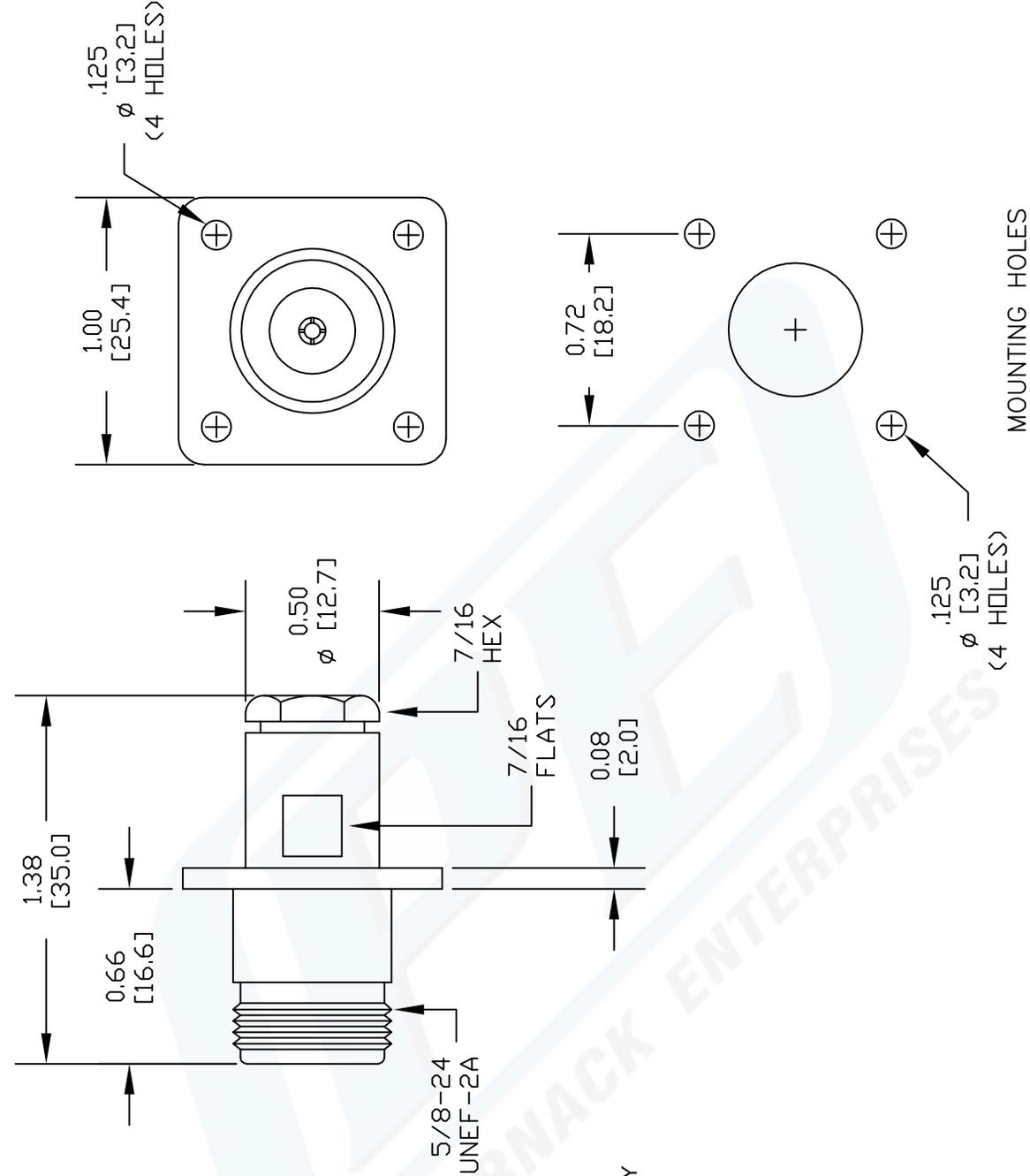
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Female Connector Clamp/Solder Attachment 4 Hole Flange For RG58, RG55, RG141, RG142, RG223, RG400, .718 inch Hole Spacing PE4141](http://www.pasternack.com/n-female-standard-rg58-rg55-rg141-rg142-rg223-rg400-connector-pe4141-p.aspx)

URL: <http://www.pasternack.com/n-female-standard-rg58-rg55-rg141-rg142-rg223-rg400-connector-pe4141-p.aspx>

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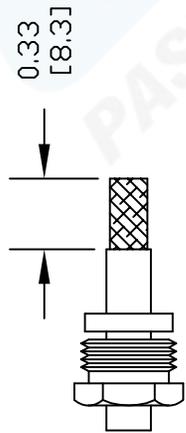
PE4141 CAD Drawing

N Female Connector Clamp/Solder Attachment 4 Hole Flange For RG58, RG55, RG141, RG142, RG223, RG400, .718 inch Hole Spacing



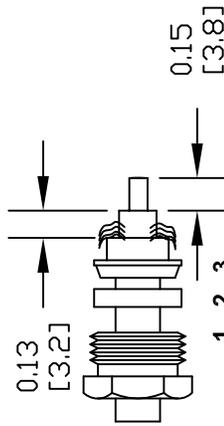
ASSEMBLY PROCEDURES

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



1 2

2. FORM BRAID OVER CLAMP NUT (3). TRIM BRAID BACK TO SHOULDER. CUT DIELECTRIC 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.



1 2 3

DWG TITLE

PE4141

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FSCM NO. 53919

CAD FILE 111213

SCALE N/A

SIZE A

2231


TECHNICAL DATA SHEET
RG400/U

Flexible RG400 Coax Cable Double Shielded with Tan FEP Jacket

Configuration

Inner Conductor Material and Plating	Copper, Silver
Dielectric Type	PTFE
Shield Materials	Silver Plated Copper Braid, Silver Plated Copper Braid
Jacket Material and Color	FEP, Tan

Electrical Specifications

Impedance, Ohms	50
Velocity of Propagation, %	69.5
Maximum Operating Frequency, GHz	12.4
Capacitance, pF/ft [pF/m]	32 [104.99]
Maximum Operating Voltage, Volts	1,900

Electrical Specifications by Frequency
Frequency 1

Frequency, MHz	100
Attenuation, dB/100ft [dB/100m]	4.4 [14.44]

Frequency 2

Frequency, MHz	1000
Attenuation, dB/100ft [dB/100m]	14.7 [48.23]

Frequency 3

Frequency, GHz	5
Attenuation, dB/100ft [dB/100m]	36 [118.11]

Frequency 4

Frequency, GHz	11
Attenuation, dB/100ft [dB/100m]	57.9 [189.96]

Mechanical Specifications
Temperature

Operating Range, deg C	-55 to +200
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Inner Conductor

Number of Strands	19
Material	Copper
Plating	Silver
Diameter, in [mm]	0.039 [0.99]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Flexible RG400 Coax Cable Double Shielded with Tan FEP Jacket RG400/U](#)

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TECHNICAL DATA SHEET RG400/U

Dielectric:

Type	PTFE
Diameter, in [mm]	0.116 [2.95]

Shield:

Number of	2
Material 1	Silver Plated Copper Braid
Material 2	Silver Plated Copper Braid
Diameter, in [mm]	0.156 [3.96]

Jacket:

Material	FEP
Diameter, in [mm]	0.195 [4.95]
Color	Tan
One Time Minimum Bend Radius, in [mm]	1 [25.4]
Weight, lbs/ft [Kg/m]	0.046 [0.07]

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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Flexible RG400 Coax Cable Double Shielded with Tan FEP Jacket 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: [Flexible RG400 Coax Cable Double Shielded with Tan FEP Jacket RG400/U](#)

URL: <http://www.pasternack.com/flexible-0.195-rg400-stranded-center-conductor-50-ohm-coax-cable-fep-jacket-rg400-u-p.aspx>

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RG400/U CAD Drawing

Flexible RG400 Coax Cable Double Shielded with Tan FEP Jacket



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3. DIMENSIONS ARE IN INCHES [mm].

DWG TITLE

RG400/U

FSCM NO. 53919

CAD FILE 022908-A

SCALE N/A

SIZE A

2233



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