



LC Male Connector Clamp/Solder Attachment for RG218, RG219, RG17

RF Connectors Technical Data Sheet

PE4323

Configuration

- LC Male Connector
- MIL-STD-348
- 50 Ohms
- Straight Body Geometry
- RG218, RG219, RG17 Interface Type
- Clamp/Solder Attachment
- 1 1/2 inch Hex

Features

- Max. Operating Frequency 1,000 MHz
- Silver Plated Beryllium Copper Contact
- Contact plating according to ASTM-B700

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE4323 LC male connector with clamp/solder attachment for RG218, RG219 and RG17 is part of our full line of RF components available for same-day shipping. Our LC male connector operates up to a maximum frequency of 1,000 MHz.

Our LC male connector PE4323 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
Operating Voltage (AC)			5,000	Vrms
Dielectric Withstanding Voltage (AC)			5,000	Vrms

Mechanical Specifications

Size

Length	3.95 in [100.33 mm]
Width/Dia.	1.5 in [38.10 mm]
Weight	0.84 lbs [381.02 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [LC Male Connector Clamp/Solder Attachment for RG218, RG219, RG17 PE4323](#)



LC Male Connector Clamp/Solder Attachment
for RG218, RG219, RG17

RF Connectors Technical Data Sheet

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Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Silver ASTM-B700
Body	Phosphor Bronze	Nickel ASTM-B689
Coupling Nut	Brass	Nickel ASTM-B689

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 Connector Clamp/Solder Attachment for RG218, RG219, RG17 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.

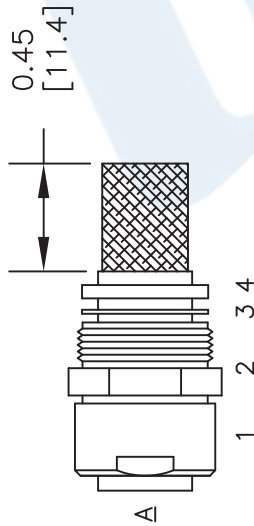
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [LC Male Connector Clamp/Solder Attachment for RG218, RG219, RG17 PE4323](#)

URL: <https://www.pasternack.com/lc-male-standard-rg218-rg219-connector-pe4323-p.aspx>

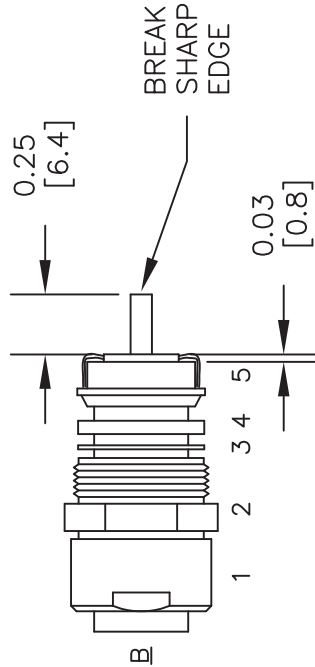
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ASSEMBLY PROCEDURES

1. SLIDE CLAMP NUT (1), EXTENSION (2), WASHER (3) & GASKET (4) OVER CABLE. STRIP CABLE AS SHOWN IN A. DO NOT NICK BRAID. WHILE CUTTING JACKET COMB OUT BRAID. TAPER END OF BRAID TO PERMIT ASSEMBLY OF BRAID CLAMP (5). SLIDE BRAID CLAMP (5) OVER BRAID & SEAT AGAINST CABLE.

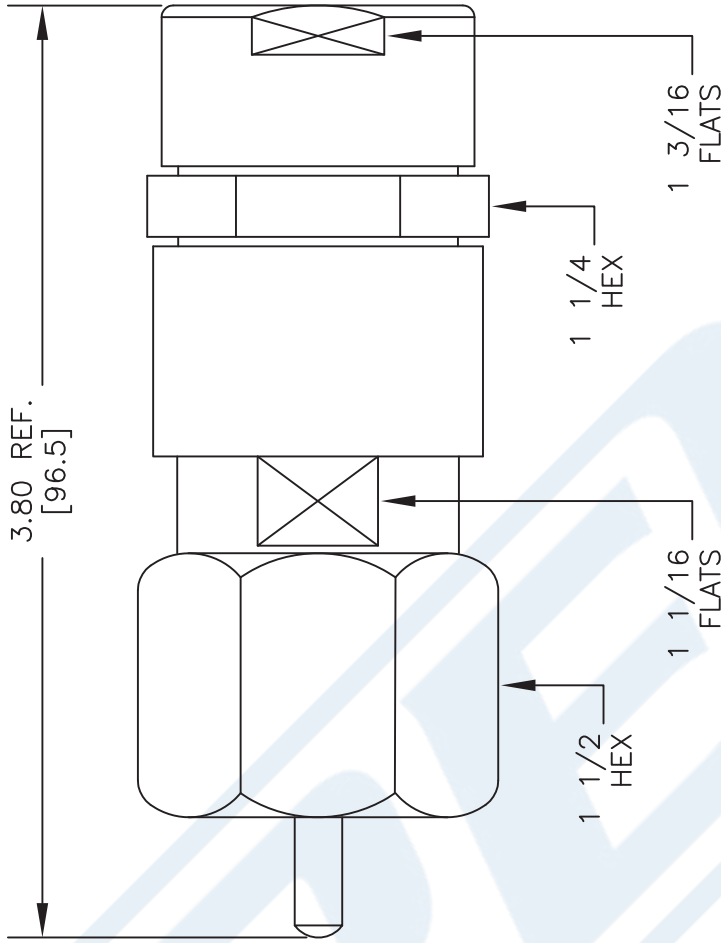


2. FORM BRAID OVER BRAID CLAMP NUT (5). TRIM BRAID BACK TO SHOULDER. CUT DIELECTRIC & CENTER CONDUCTOR TO DIMENSION SHOWN IN B. DO NOT NICK CENTER CONDUCTOR. INSERT #12 ALLEN WRENCH INTO SELF-TAPPING CONTACT. THREAD THE SELF-TAPPING CONTACT ONTO CENTER CONDUCTOR UNTIL IT SEATS AGAINST DIELECTRIC. SCREW CONTACT & CABLE ASSEMBLY INTO INSULATOR IN BODY. TIGHTEN BODY & EXTENSION (2) TOGETHER SECURELY. * THEN TIGHTEN CLAMP NUT (1) TO EXTENSION (2).



NOTE

RG219 STRAIGHTEN BULGE IN CLAMP NUT (1) & CUT IT SO THAT IT CAN BE CLAMPED TOGETHER TO EXTENSION (2).



DWG TITLE

PE4323

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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FSCM NO. 53919

CAD FILE 092812-A

SCALE N/A

SIZE A

2233



HN Male Connector Clamp/Solder Attachment for RG17, RG218, RG219

RF Connectors Technical Data Sheet

PE4476

Configuration

- HN Male Connector
- MIL-STD-348
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: RG17, RG218, RG219

Features

- Max. Operating Frequency 4 GHz
- Silver over Copper Plated Brass Contact
- Contact plating according to QQ-S-365

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE4476 HN male connector with clamp/solder attachment for RG17, RG218 and RG219 is part of our full line of RF components available for same-day shipping. Our HN male connector operates up to a maximum frequency of 4 GHz.

Our HN male connector PE4476 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		4	GHz
Operating Voltage (AC)			1,500	Vrms
Dielectric Withstanding Voltage (AC)			5,000	Vrms
Insulation Resistance	5,000			MOhms

Mechanical Specifications

Size

Length	2.6 in [66.04 mm]
Width/Dia.	1.31 in [33.27 mm]
Weight	0.373 lbs [169.19 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [HN Male Connector Clamp/Solder Attachment for RG17, RG218, RG219 PE4476](#)



HN Male Connector Clamp/Solder Attachment
for RG17, RG218, RG219

RF Connectors
Technical Data Sheet

PE4476

Material Specifications

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

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [HN Male Connector Clamp/Solder Attachment for RG17, RG218, RG219 PE4476](#)

HN Male Connector Clamp/Solder Attachment for RG17, RG218, RG219



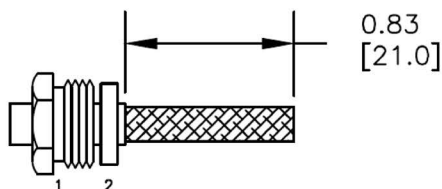
RF Connectors Technical Data Sheet

PE4476

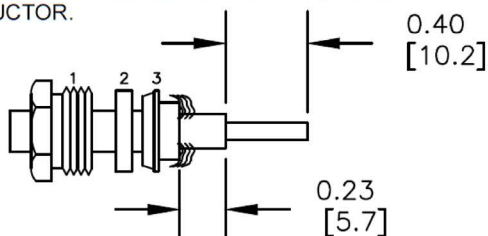
Assembly Instruction

ASSEMBLY PROCEDURES

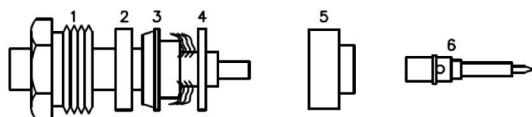
1. SLIDE CLAMP NUT (1) & GASKET (2) OVER CABLE. STRIP CABLE AS SHOWN. DO NOT NICK BRAID WHILE CUTTING JACKET. TAPER END OF BRAID TO PERMIT ASSEMBLY OF BRAID CLAMP (3) SLIDE BRAID CLAMP(3) OVER BRAID & SEAT AGAINST JACKET.



2. FORM BRAID OVER CLAMP NUT (3). TRIM BRAID BACK TO SHOULDER. CUT DIELECTRIC TO DIMENSION SHOWN. DO NOT NICK CENTER CONDUCTOR.



3. SLIDE WASHER (4) OVER DIELECTRIC AND SEAT AGAINST BRAID. SLIDE PTFE (5) OVER DIELECTRIC AND CENTER CONDUCTOR, SEAT AGAINST WASHER. SOLDER CONTACT TO CENTER CONDUCTOR. REMOVE EXCESS SOLDER. DO NOT OVER HEAT DIELECTRIC. INSERT CABLE ASSEMBLY INTO BODY & TIGHTEN.



Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [HN Male Connector Clamp/Solder Attachment for RG17, RG218, RG219 PE4476](#)



HN Male Connector Clamp/Solder Attachment for RG17, RG218, RG219

RF Connectors Technical Data Sheet

PE4476

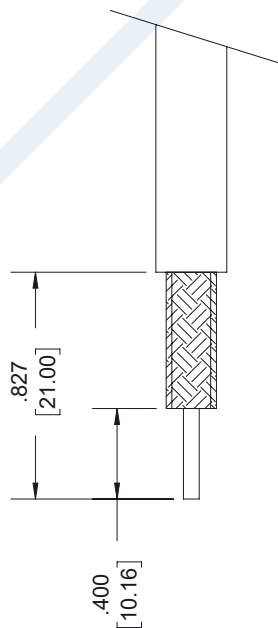
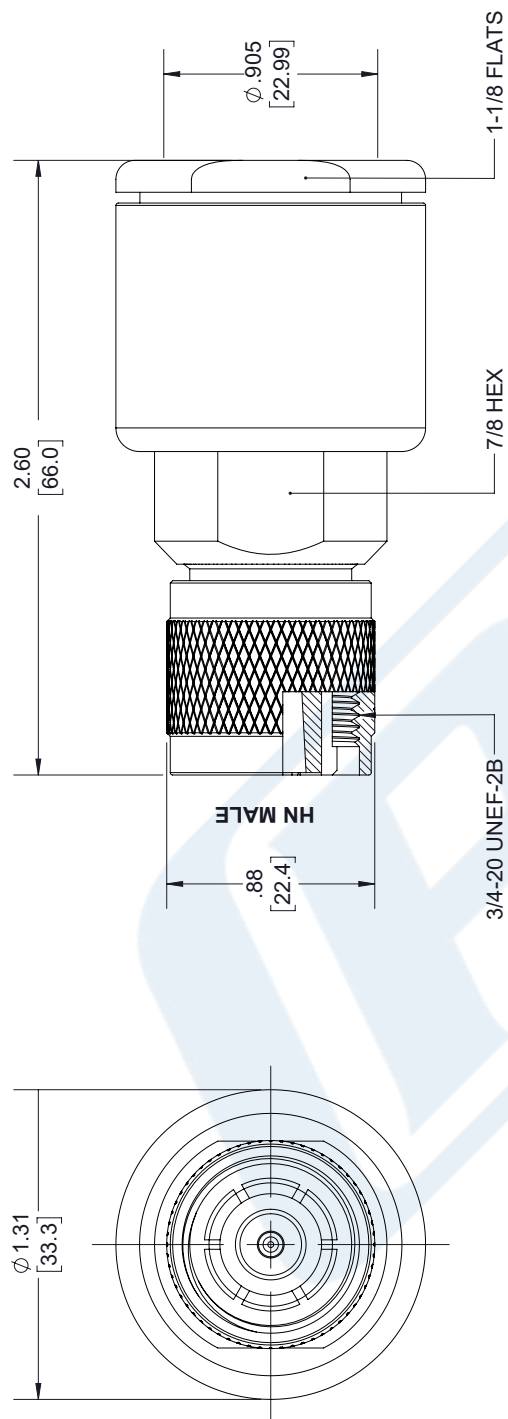
HN Male Connector Clamp/Solder Attachment for RG17, RG218, RG219 from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [HN Male Connector Clamp/Solder Attachment for RG17, RG218, RG219 PE4476](https://www.pasternack.com/hn-male-standard-rg17-rg218-connector-pe4476-p.aspx)

URL: <https://www.pasternack.com/hn-male-standard-rg17-rg218-connector-pe4476-p.aspx>

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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	PCR PE4476	5/14/2020	S.ELLIS



STRIPPING DIMENSIONS

NOTES:

1. CABLE ATTACHMENT:
• OUTER: CLAMP.
• INNER: SOLDER.

UNLESS OTHERWISE SPECIFIED
LEADING DIMENSIONS ARE INCHES
DIMENSIONS IN [] ARE MILLIMETERS

TOLERANCES:

.X = ± .2 [5.08] FRACTIONS
.XX = ± .02 [.51] ± 1/32
.XXX = ± .005 [.13] ANGLES ± 1°

CABLE LENGTH (L) TOLERANCES:

L ≤ 12 [305] = +1 [25] / -0
12 [305] < L ≤ 60 [1524] = +2 [51] / -0
60 [1524] < L ≤ 120 [3048] = +4 [102] / -0
120 [3048] < L ≤ 300 [7620] = +6 [152] / -0
300 [7620] < L = +5% / -0

ALL DIMENSIONS SHOWN
ARE FOR REFERENCE ONLY.



PASTERNAK
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SIZE CAGE CODE DRAWN BY ITEM NO.

REV

PE4476

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Flexible RG218 Coax Cable Single Shielded with Black PVC Jacket

RF Cables Technical Data Sheet

RG218/U

Configuration

- Flexible Cable
- 1 Shield(s)

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		1,000	MHz
Impedance		50		Ohms
Velocity of Propagation		66		%
Operating Voltage (AC)			11,000	Vrms
Nominal Capacitance		30.8 [101.05]		pF/ft [pF/m]

Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	50	100	400	1,000		MHz
Attenuation, Max	0.65	1	2.75	5		dB/100ft
	2.13	3.28	9.02	16.4		dB/100m
Input Power (CW), Max	6,500	3,700	1,200	600		Watts

Mechanical Specifications

Diameter	0.87 in [22.1 mm]
Weight	0.4775 lbs/ft [0.71 Kg/m]

Construction Specifications

Description	Material and Plating	Diameter
Inner Conductor	Copper, 1 Strands	0.195 in [4.95 mm]
Conductor Type	Solid	
Dielectric	PE	0.68 in [17.27 mm]
First Shield	Copper Braid	

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Flexible RG218 Coax Cable Single Shielded with Black PVC Jacket RG218/U](#)



Flexible RG218 Coax Cable Single
Shielded with Black PVC Jacket

RF Cables
Technical Data Sheet

RG218/U

Jacket	PVC, Black	0.87 in [22.1 mm]
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Environmental Specifications

Temperature

Operating Range

-40 to +80 deg C

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

Plotted and Other Data

Notes:

Flexible RG218 Coax Cable Single Shielded with Black PVC 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.

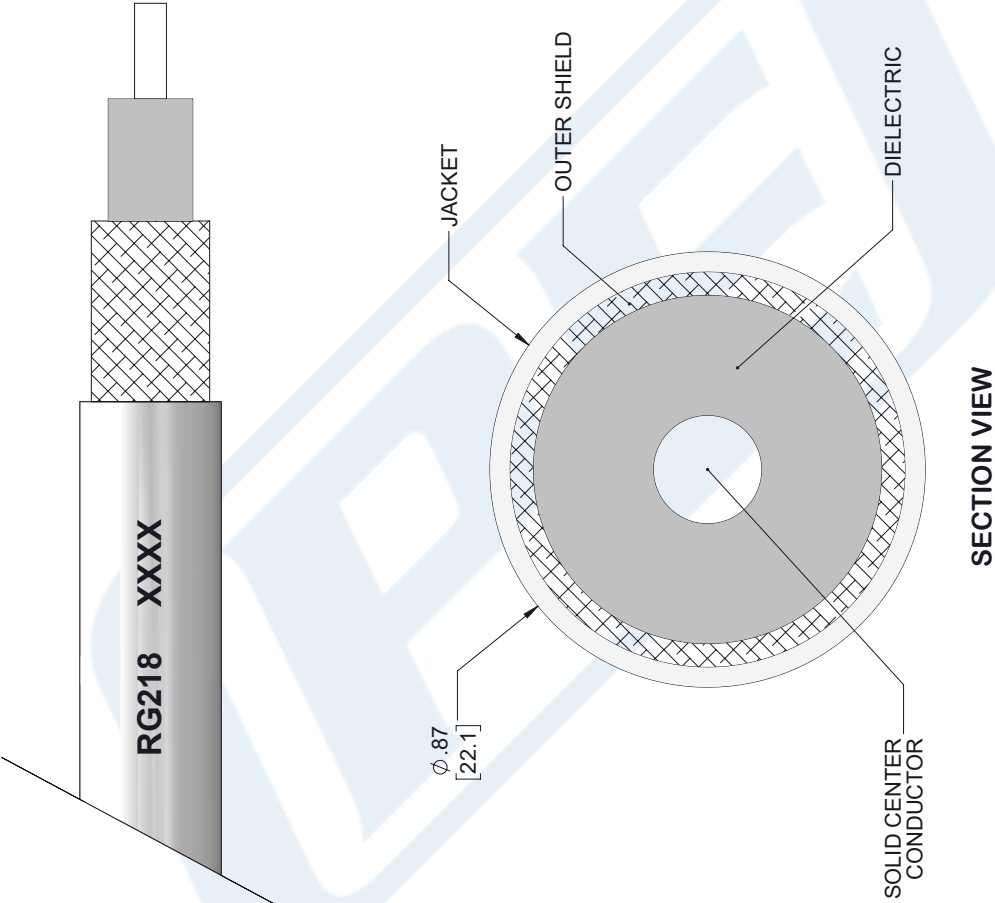
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Flexible RG218 Coax Cable Single Shielded with Black PVC Jacket RG218/U](#)

URL: <https://www.pasternack.com/flexible-0.870-rg218-50-ohm-coax-cable-pvc-jacket-rg218-u-p.aspx>

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RG218/U CAD Drawing

Flexible RG218 Coax Cable Single Shielded with Black PVC Jacket



STANDARD TOLERANCES	
.X	±0.2
.XX	±0.01
.XXX	±0.005

*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES
*CABLE JACKET SHALL BE MARKED WITH THE COAX GENERIC NAME AND LOT ID



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DWG TITLE

RG218/U

NOTES:
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2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME
3. DIMENSIONS ARE IN INCHES [mm].

CAGE CODE 53919

CAD FILE 04/05/18

SCALE N/A

SIZE A

7361