



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

RF Connectors Technical Data Sheet

PE4564

Configuration

- LC Male Connector
- MIL-STD-348
- 50 Ohms
- Straight 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 PE4564 LC male 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.

Our LC male connector PE4564 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

2.72 in [69.09 mm]

Width/Dia.

1.5 in [38.10 mm]

Weight

0.494 lbs [224.07 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 Connector Clamp/Solder Attachment for RG213, RG214, RG8, RG9, RG225, RG393, RG215 PE4564](#)

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



RF Connectors Technical Data Sheet

PE4564

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

Plotted and Other Data

Notes:

LC Male 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.

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 RG213, RG214, RG8, RG9, RG225, RG393, RG215 PE4564](#)

URL: <https://www.pasternack.com/lc-male-standard-rg213-rg214-rg8-rg9-rg225-rg393-connector-pe4564-p.aspx>

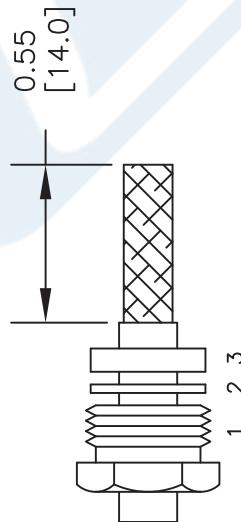
The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Pasternack reserves the right to make such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

PE4564 CAD Drawing

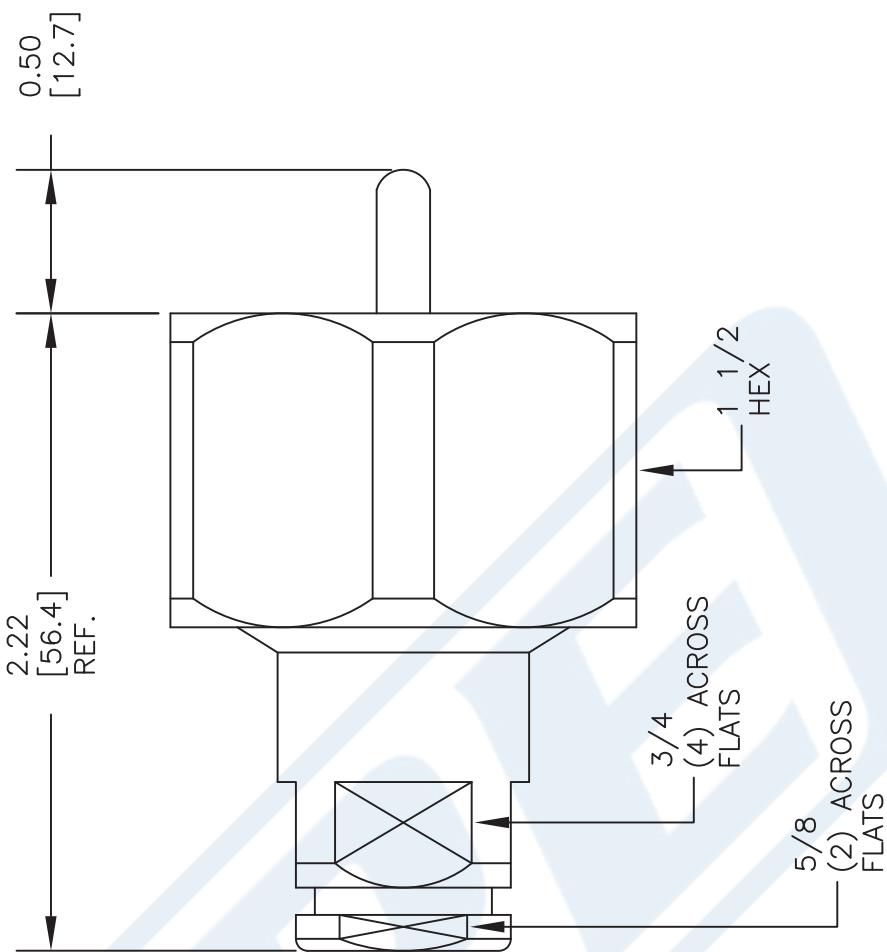
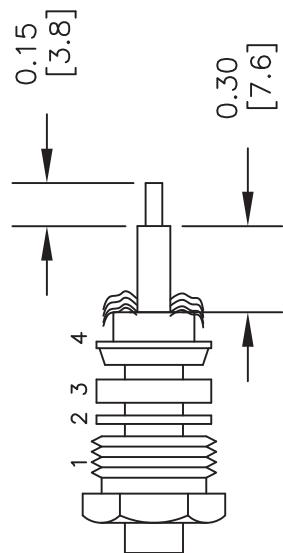
LC Male Connector Clamp/Solder Attachment for RG213,
RG214, RG8, RG9, RG225, RG393, RG215

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 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.



PASTERNACK
THE ENGINEER'S RF SOURCE

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DWG TITLE	PE4564
FSCM NO.	53919
CAD FILE	040814
SCALE	N/A
SIZE	A
2233	

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.

HN Male Connector Clamp/Solder Attachment for RG213, RG214, RG8, RG9, RG225, RG393



RF Connectors Technical Data Sheet

PE4182

Configuration

- HN Male Connector
- MIL-STD-348A
- 50 Ohms

- Straight Body Geometry
- Connector Interface Types: RG213, RG214, RG8, RG9, RG225, RG393

Features

- Max. Operating Frequency 6 GHz
- Good VSWR of 1.5:1

- Gold Plated Brass Contact
- 30 μ in minimum contact plating

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE4182 HN male connector with clamp/solder attachment for RG213, RG214, RG8, RG9, RG225 and RG393 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 6 GHz and offers good VSWR of 1.5:1.

Our HN male connector PE4182 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		6	GHz
VSWR			1.5:1	
Operating Voltage (AC)			1,500	Vrms

Mechanical Specifications

Size

- Length
- Width/Dia.
- Height
- Weight

- 2.23 in [56.64 mm]
- 0.866 in [22.00 mm]
- 0.866 in [22 mm]
- 0.171 lbs [77.56 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 RG213, RG214, RG8, RG9, RG225, RG393 PE4182](#)

HN Male Connector Clamp/Solder Attachment for RG213, RG214, RG8, RG9, RG225, RG393



RF Connectors Technical Data Sheet

PE4182

Material Specifications

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

Mechanical Specification Notes:

When attaching the connector to the cable use a clamp torque value of 60 to 65 in-lbs [6.78 to 7.34 Nm]

Environmental Specifications

Temperature

Operating Range

-65 to +165 deg C

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

Plotted and Other Data

Notes:

HN Male Connector Clamp/Solder Attachment for RG213, RG214, RG8, RG9, RG225, RG393 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.

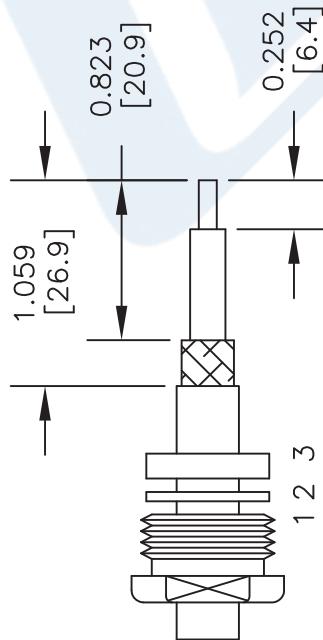
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [HN Male Connector Clamp/Solder Attachment for RG213, RG214, RG8, RG9, RG225, RG393 PE4182](#)

URL: <https://www.pasternack.com/hn-male-standard-rg213-rg214-rg8-rg9-rg225-rg393-connector-pe4182-p.aspx>

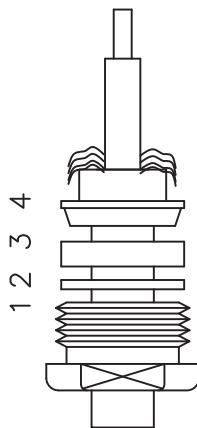
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ASSEMBLY PROCEDURES

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	PE4182
CAGE CODE	53919

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

SIZE A	2233
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Flexible RG214 Coax Cable Double Shielded with Black PVC Jacket

RF Cables Technical Data Sheet

RG214/U

Configuration

- Flexible Cable
- 2 Shield(s)

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		11	GHz
Impedance		50		Ohms
Velocity of Propagation		66		%
Operating Voltage (AC)			5,000	Vrms
Nominal Capacitance	30.8 [101.05]			pF/ft [pF/m]

Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	0.01	0.1	1	5	10	GHz
Attenuation, Typ	0.64	2.07	7.68	20.68	36.51	dB/100ft
	2.1	6.79	25.2	67.85	119.78	dB/100m

Mechanical Specifications

Diameter 0.425 in [10.8 mm]
 Weight 0.122 lbs/ft [0.18 Kg/m]

Min. Bend Radius (Repeated) 1.6 in [40.64 mm]

Construction Specifications

Description	Material and Plating	Diameter
Inner Conductor	Copper, Silver, 7 Strands (7 X 0.02961)	0.089 in [2.26 mm]
Conductor Type	Stranded	
Dielectric	PE	0.285 in [7.24 mm]
First Shield	Silver Plated 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 RG214 Coax Cable Double Shielded with Black PVC Jacket RG214/U](#)



Flexible RG214 Coax Cable Double Shielded with Black PVC Jacket

RF Cables Technical Data Sheet

RG214/U

90% coverage

Second Shield	Silver Plated Copper Braid 90% coverage	0.331 in [8.41 mm]
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Jacket	PVC, Black	0.425 in [10.8 mm]
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Environmental Specifications

Temperature

Operating Range

-20 to +80 deg C

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

Plotted and Other Data

Notes:

Flexible RG214 Coax Cable Double 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.

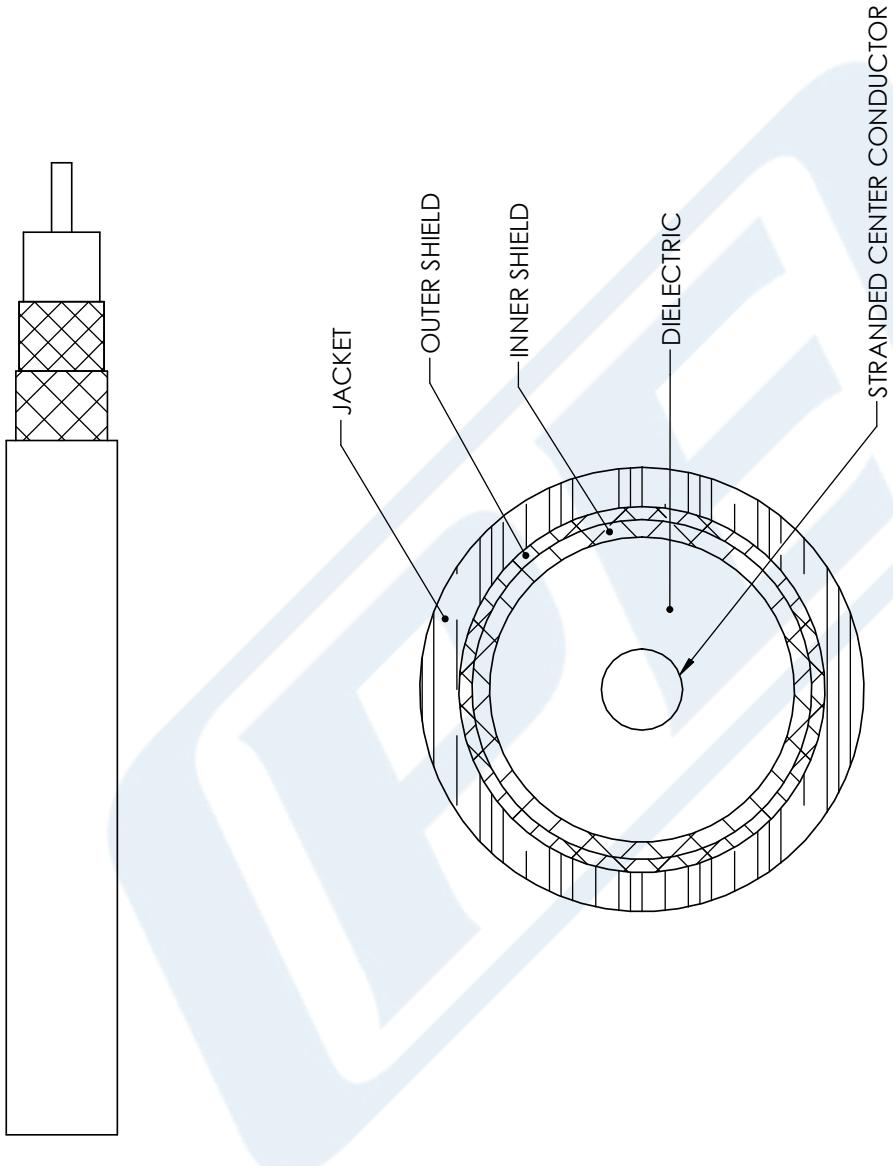
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Flexible RG214 Coax Cable Double Shielded with Black PVC Jacket RG214/U](#)

URL: <https://www.pasternack.com/flexible-0.425-rg214-50-ohm-coax-cable-pvc-jacket-rg214-u-p.aspx>

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RG214/U CAD Drawing

Flexible RG214 Coax Cable Double Shielded with Black PVC Jacket



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

*STANDARD TOLERANCES APPLY
ONLY TO DIMENSIONS IN INCHES

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CAGE CODE	DWG TITLE	CAD FILE	SCALE	SIZE	A
53919	RG214-U	11/29/17	N/A		CN2245