



HN Male Connector Clamp/Solder Attachment for RG14, RG217

RF Connectors Technical Data Sheet

PE4475

Configuration

- HN Male Connector
- MIL-STD-348
- 50 Ohms
- Straight Body Geometry
- RG14, RG217 Interface Type
- Clamp/Solder Attachment

Features

- Max. Operating Frequency 4 GHz
- Gold Plated Brass Contact
- Contact plating according to MIL-G-45204

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE4475 HN male connector with clamp/solder attachment for RG14 and RG217 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 PE4475 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	1.91 in [48.51 mm]
Width/Dia.	0.866 in [22.00 mm]
Weight	0.167 lbs [75.75 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 RG14, RG217 PE4475](#)



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Material Specifications

Description	Material	Plating
Contact	Brass	Gold MIL-G-45204
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:

HN Male Connector Clamp/Solder Attachment for RG14, RG217 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: [HN Male Connector Clamp/Solder Attachment for RG14, RG217 PE4475](#)

URL: <https://www.pasternack.com/hn-male-standard-rg14-rg217-connector-pe4475-p.aspx>

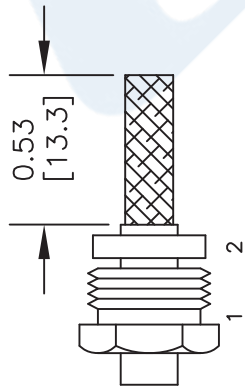
The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Pasternack reserves the right to make such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

PE4475 CAD Drawing

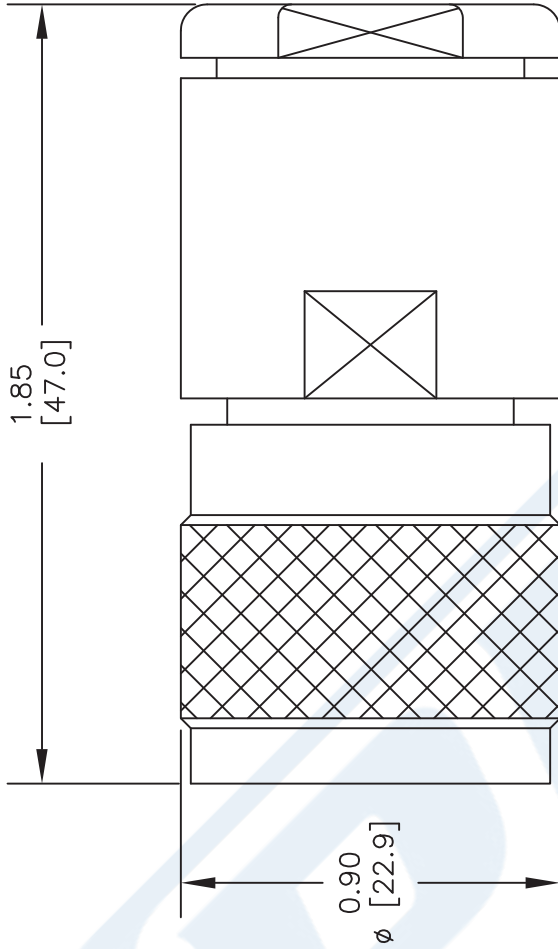
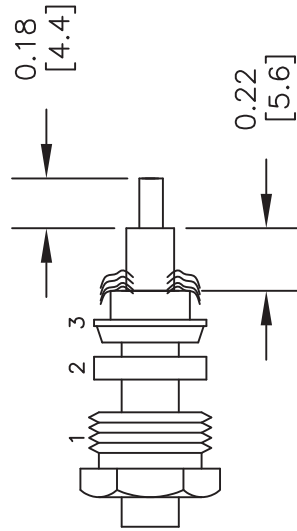
HN Male Connector Clamp/Solder Attachment for RG14, RG217

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.



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.



DWG TITLE

PE4475

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 052202

SCALE N/A

SIZE A

2233



HN Male Right Angle Connector Clamp/ Solder Attachment for RG14, RG217

RF Connectors Technical Data Sheet

PE44592

Configuration

- HN Male Connector
- MIL-STD-348A
- 50 Ohms
- Right Angle Body Geometry
- RG14, RG217 Interface Type
- Clamp/Solder Attachment

Features

- Max. Operating Frequency 4 GHz
- Good VSWR of 1.5:1
- Gold Plated Brass Contact
- 30 µin minimum contact plating

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE44592 HN male right angle connector with clamp/solder attachment for RG14 and RG217 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 and offers good VSWR of 1.5:1. Its right angle body geometry allows for easier connections in tight spaces.

Our HN male right angle connector PE44592 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
VSWR			1.5:1	

Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency Range	DC to 2	2 to 4				GHz
VSWR, Max	1.35:1	1.5:1				

Mechanical Specifications

Size

Length	2.245 in [57.02 mm]
Width/Dia.	0.75 in [19.05 mm]
Height	1.46 in [37.08 mm]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [HN Male Right Angle Connector Clamp/Solder Attachment for RG14, RG217 PE44592](#)



HN Male Right Angle Connector Clamp/
Solder Attachment for RG14, RG217

RF Connectors Technical Data Sheet

PE44592

Weight 0.238 lbs [107.95 g]

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 +155 deg C

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

Plotted and Other Data

Notes:

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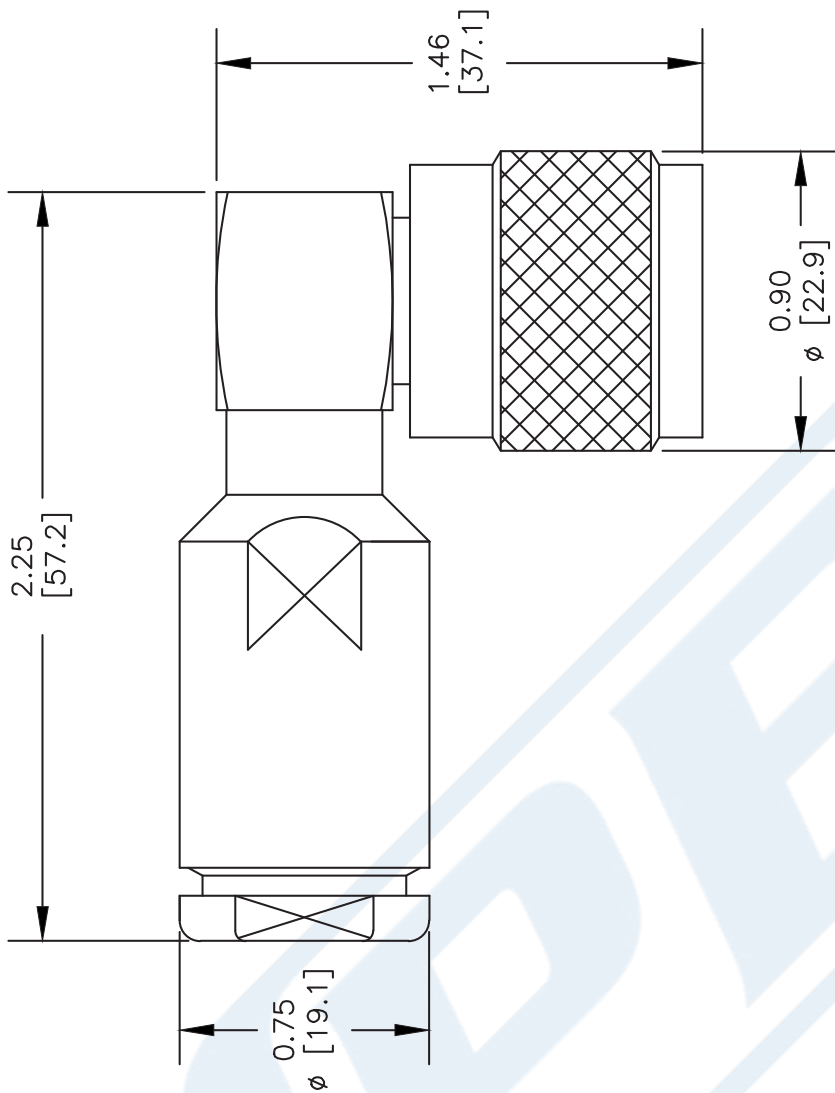
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [HN Male Right Angle Connector Clamp/Solder Attachment for RG14, RG217 PE44592](#)

URL: <https://www.pasternack.com/hn-male-standard-rg14-rg217-connector-pe44592-p.aspx>

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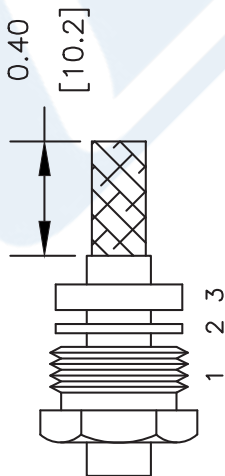
PE44592 CAD Drawing

HN Male Right Angle Connector Clamp/Solder Attachment for RG14, RG217

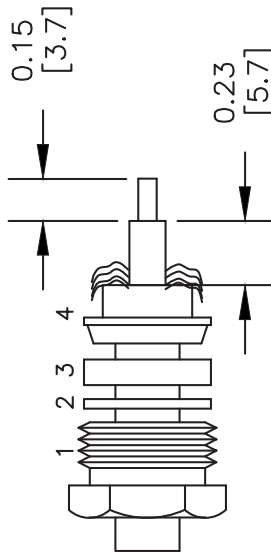


ASSEMBLY PROCEDURES

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 BRAID CLAMP (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.



DWG TITLE

PE44592

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 4. FITS MIL-C-17 AND EQUIVALENT CABLES.

REV. A

FSCM NO. 53919

CAD FILE 021413-A

SCALE N/A

SIZE A

147

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Flexible RG217 Coax Cable Double Shielded with Black PVC Jacket

RF Cables Technical Data Sheet

RG217/U

Configuration

- Flexible Cable
- 2 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)			5,200	Vrms
Nominal Capacitance		30.8 [101.05]		pF/ft [pF/m]

Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	10	100	1,000			MHz
Attenuation, Typ	0.45	1.54	6.37			dB/100ft dB/100m
	1.48	5.05	20.9			
Input Power (CW), Max	6,000	1,200	260			Watts

Mechanical Specifications

Diameter	0.545 in [13.84 mm]
Weight	0.225 lbs/ft [0.33 Kg/m]

Construction Specifications

Description	Material and Plating	Diameter
Inner Conductor	Copper, 1 Strands	0.106 in [2.69 mm]
Conductor Type	Solid	
Dielectric	PE	0.37 in [9.4 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 RG217 Coax Cable Double Shielded with Black PVC Jacket RG217/U](#)



Flexible RG217 Coax Cable Double
Shielded with Black PVC Jacket

RF Cables Technical Data Sheet

RG217/U

Second Shield	Copper Braid	0.417 in [10.59 mm]
Jacket	PVC, Black	0.545 in [13.84 mm]

Environmental Specifications

Temperature

Operating Range -40 to +80 deg C

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

Plotted and Other Data

Notes:

Flexible RG217 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.

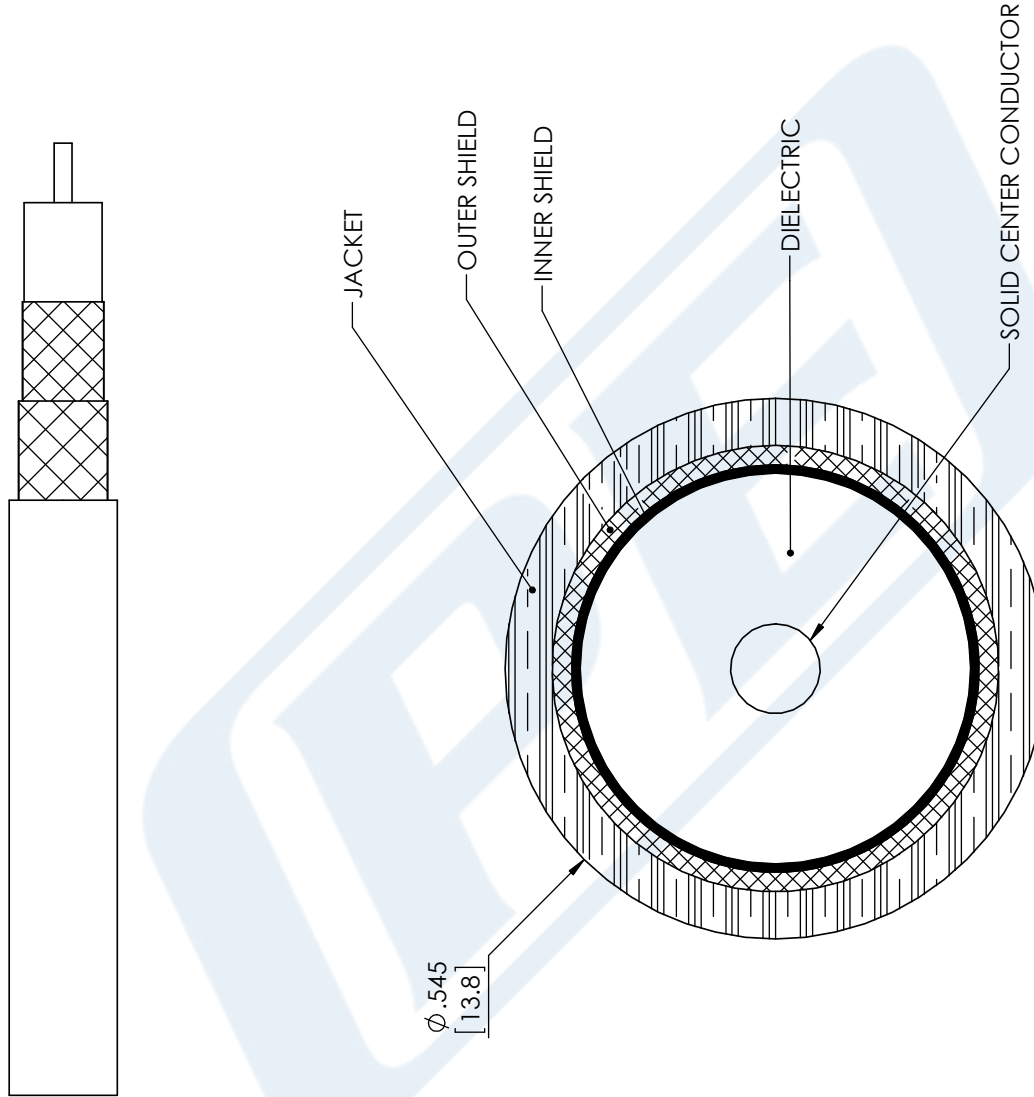
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Flexible RG217 Coax Cable Double Shielded with Black PVC Jacket RG217/U](#)

URL: <https://www.pasternack.com/flexible-0.545-rg217-50-ohm-coax-cable-pvc-jacket-rg217-u-p.aspx>

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RG217/U CAD Drawing

Flexible RG217 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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DWG TITLE

RG217-U

CAGE CODE 53919

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CAD FILE 11/29/17

SCALE N/A

SIZE A

CN2245