



## 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  $\mu$ 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	2.23 in [56.64 mm]
Width/Dia.	0.866 in [22.00 mm]
Height	0.866 in [22 mm]
Weight	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 $\mu$ in minimum
Insulation	PTFE	
Body	Brass	Nickel 100 $\mu$ in minimum
Coupling Nut	Brass	Nickel 100 $\mu$ 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.

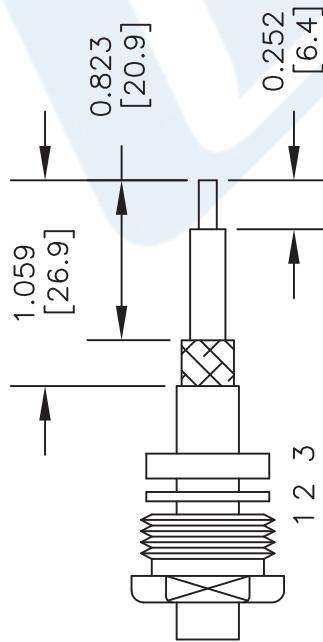
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [HN Male Connector Clamp/Solder Attachment for RG213, RG214, RG8, RG9, RG225, RG393 PE4182](#)

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

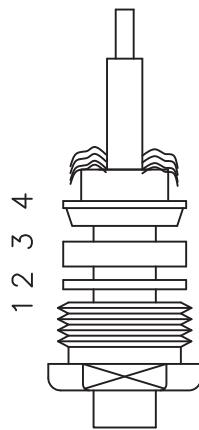
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ASSEMBLY PROCEDURES

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.



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.

DWG TITLE	PE4182	CAGE CODE	53919	CAD FILE	030617	SCALE	N/A	SIZE	A	2233
<b>PASTERNACK®</b> THE ENGINEER'S RF SOURCE Pasternack Enterprises, Inc. P.O. Box 16759   Irvine   CA   92623 Phone: (949) 261-1920   Fax: (949) 261-7451 Website: <a href="http://www.pasternack.com">www.pasternack.com</a>   E-Mail: <a href="mailto:sales@pasternack.com">sales@pasternack.com</a>										

## HN Female Connector Clamp/Solder Attachment for RG213, RG8, RG225, RG214, RG393



### RF Connectors Technical Data Sheet

**PE4229**

#### Configuration

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

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

#### Features

- Max. Operating Frequency 2 GHz
- Good VSWR of 1.3:1

- Gold Plated Brass Contact

#### Applications

- General Purpose Test
- Custom Cable Assemblies

#### Description

Pasternack's PE4229 HN female connector with clamp/solder attachment for RG213, RG8, RG225, RG214 and RG393 is part of our full line of RF components available for same-day shipping. Our HN female connector operates up to a maximum frequency of 2 GHz and offers good VSWR of 1.3:1.

Our HN female connector PE4229 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		2	GHz
VSWR			1.3:1	
Operating Voltage (AC)			1,500	Vrms

#### Mechanical Specifications

Size	
Length	2.52 in [64.01 mm]
Width/Dia.	0.75 in [19.05 mm]
Weight	0.164 lbs [74.39 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [HN Female Connector Clamp/Solder Attachment for RG213, RG8, RG225, RG214, RG393 PE4229](#)



## HN Female Connector Clamp/Solder Attachment for RG213, RG8, RG225, RG214, RG393

### RF Connectors Technical Data Sheet

**PE4229**

#### Material Specifications

Description	Material	Plating
Contact	Brass	Gold
Insulation	PTFE	
Body	Brass	Nickel 100 $\mu$ m 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 Female Connector Clamp/Solder Attachment for RG213, RG8, RG225, RG214, 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 Female Connector Clamp/Solder Attachment for RG213, RG8, RG225, RG214, RG393 PE4229](#)

URL: <https://www.pasternack.com/hn-female-standard-rg213-rg214-rg8-rg9-rg225-rg393-connector-pe4229-p.aspx>

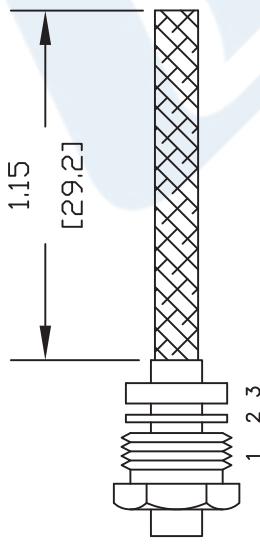
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# PE4229 CAD Drawing

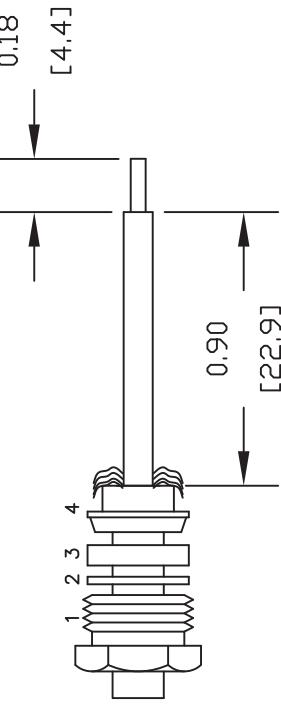
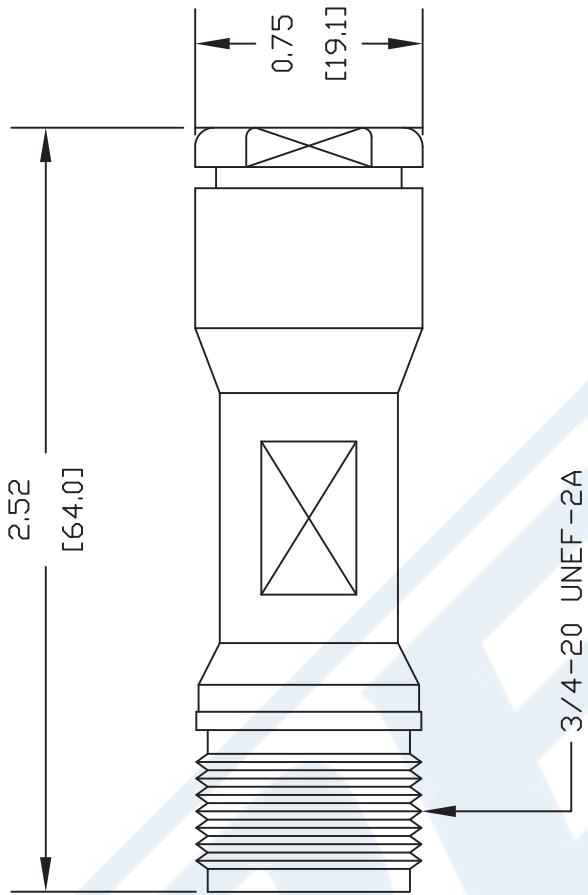
HN Female Connector Clamp/Solder Attachment for RG213, RG8, RG225, RG214, RG393

## 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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**PE4229**  
DWG TITLE  
**PE4229**

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.

REV. -	FSCM NO.	53919	CAD FILE	042309	SCALE	N/A	SIZE	A
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## Flexible RG393 Coax Cable Double Shielded with Tan FEP Jacket

### RF Cables Technical Data Sheet

**RG393/U**

#### Configuration

- Flexible Cable
- 2 Shield(s)

#### Features

- 50 Ohm Impedance
- Stranded Silver Plated Copper center conductor
- PTFE dielectric
- Double Silver Plated Copper Braid
- FEP Jacket Material 0.390 in diameter

#### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		10	GHz
Impedance		50		Ohms
Velocity of Propagation		69.5		%
Nominal Capacitance		29.4 [96.46]		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	0.6	2.1	7.5	21	35	dB/100ft
	1.97	6.89	24.61	68.9	114.83	dB/100m
Input Power (CW), Max	25,000	6,300	1,700	620	350	Watts

#### Mechanical Specifications

Diameter 0.39 in [9.91 mm]  
 Weight 0.157 lbs/ft [0.23 Kg/m]

Min. Bend Radius (Repeated) 3.9 in [99.06 mm]

#### Construction Specifications

Description	Material and Plating	Diameter
Inner Conductor	Copper, Silver7	0.094 in 2.39 mm
Conductor Type	Stranded	

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Flexible RG393 Coax Cable Double Shielded with Tan FEP Jacket RG393/U](#)



## Flexible RG393 Coax Cable Double Shielded with Tan FEP Jacket

### RF Cables Technical Data Sheet

**RG393/U**

Dielectric	PTFE	0.285 in 7.24 mm
First Shield	Silver Plated Copper Braid 90% coverage	0.313 in 7.95 mm
Second Shield	Silver Plated Copper Braid 90% coverage	0.341 in 8.66 mm
Jacket	FEP, Tan	0.39 in [9.91 mm]

#### Environmental Specifications

##### Temperature

Operating Range

-55 to +200 deg C

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

#### Plotted and Other Data

Notes:

Flexible RG393 Coax Cable Double Shielded with Tan FEP 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 RG393 Coax Cable Double Shielded with Tan FEP Jacket RG393/U](#)

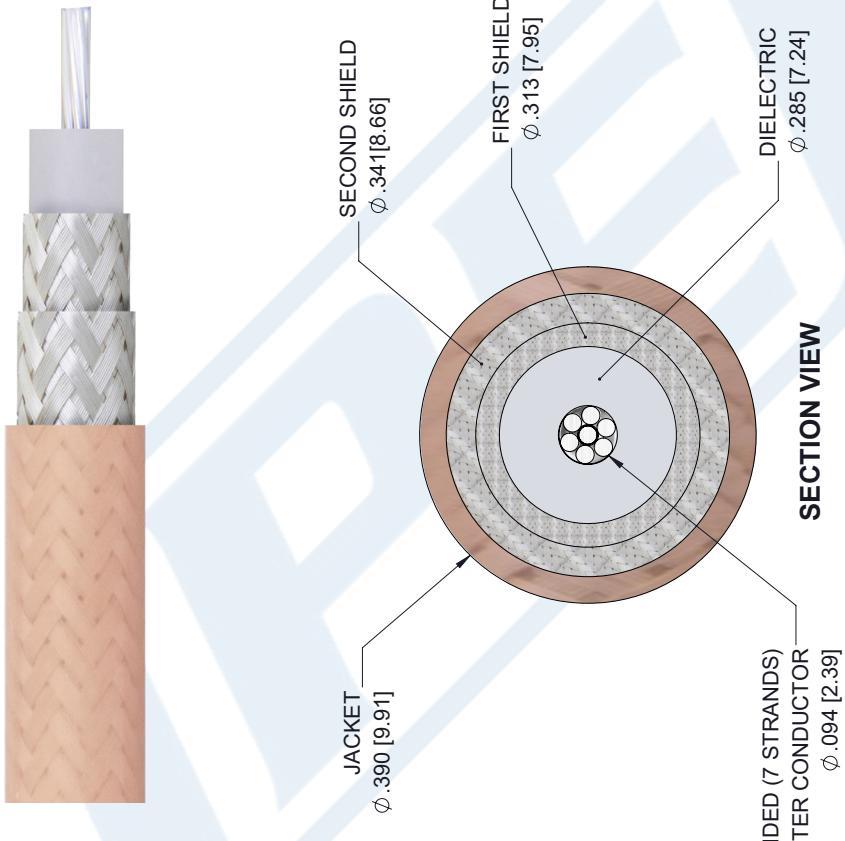
URL: <https://www.pasternack.com/flexible-rg393u-fep-jacket-silver-plated-copper-braid-over-silver-plated-copper-braid-outer-conductor-double-shielded-rg393-u-p.aspx>

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# RG393/U CAD Drawing

Flexible RG393 Coax Cable Double Shielded with Tan FEP Jacket

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	PCR RG393/U	1/8/2020	S.ELLIS



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Pasterнак Enterprises, Inc.	P.O. Box 16759, Irvine, CA 92623.	SHEET 1 OF 1
Phone: 1.949.261.1920	Fax: 1.949.261.7451	SCALE N/A
Website: <a href="http://www.pasterнак.com">www.pasterнак.com</a>	E-mail: <a href="mailto:sales@pasterнак.com">sales@pasterнак.com</a>	ITEM NO. RG393/U
UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [ ] ARE MILLIMETERS	FRACTIONS $X = \pm 2$ [5.08] $\pm 1/32$ $XX = \pm .02$ [.51] $\pm .005$ [.13] $\pm 1/32$ $XXX = \pm .005$ [.013] $\pm 1/32$ ANGLES $\pm 1^\circ$ CABLE LENGTH (L) TOLERANCES: $L \leq 12$ [305] $\pm 1$ [25] $\pm 0$ $12$ [305] $< L \leq 60$ [1524] $\pm 2$ [51] $\pm 0$ $60$ [1524] $< L \leq 120$ [3048] $\pm 4$ [102] $\pm 0$ $120$ [3048] $< L \leq 300$ [7620] $\pm 6$ [152] $\pm 0$ $300$ [7620] $< L = 450$ [L] $\pm 0$	REV A
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