



HN Male Connector Crimp/Solder Attachment for RG214, RG9, RG225, RG393

RF Connectors Technical Data Sheet

PE4474

Configuration

- HN Male Connector
- MIL-STD-348A
- 50 Ohms
- Straight Body Geometry
- RG214, RG9, RG225, RG393 Interface Type
- Crimp/Solder Attachment

Features

- Max. Operating Frequency 3 GHz
- 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 PE4474 HN male connector with crimp/solder attachment for RG214, 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 3 GHz and offers good VSWR of 1.35:1.

Our HN male connector PE4474 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 | | 3 | GHz |
| VSWR | | | 1.35:1 | |
| Operating Voltage (AC) | | | 1,500 | Vrms |

Mechanical Specifications

Size

| | |
|------------|---------------------|
| Length | 1.862 in [47.29 mm] |
| Width/Dia. | 0.866 in [22.00 mm] |
| Weight | 0.11 lbs [49.9 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 Crimp/Solder Attachment for RG214, RG9, RG225, RG393 PE4474](#)



HN Male Connector Crimp/Solder Attachment for RG214, RG9, RG225, RG393

RF Connectors Technical Data Sheet

PE4474

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:

Assembly Instruction

HN Male Connector Crimp/Solder Attachment for RG214, 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.

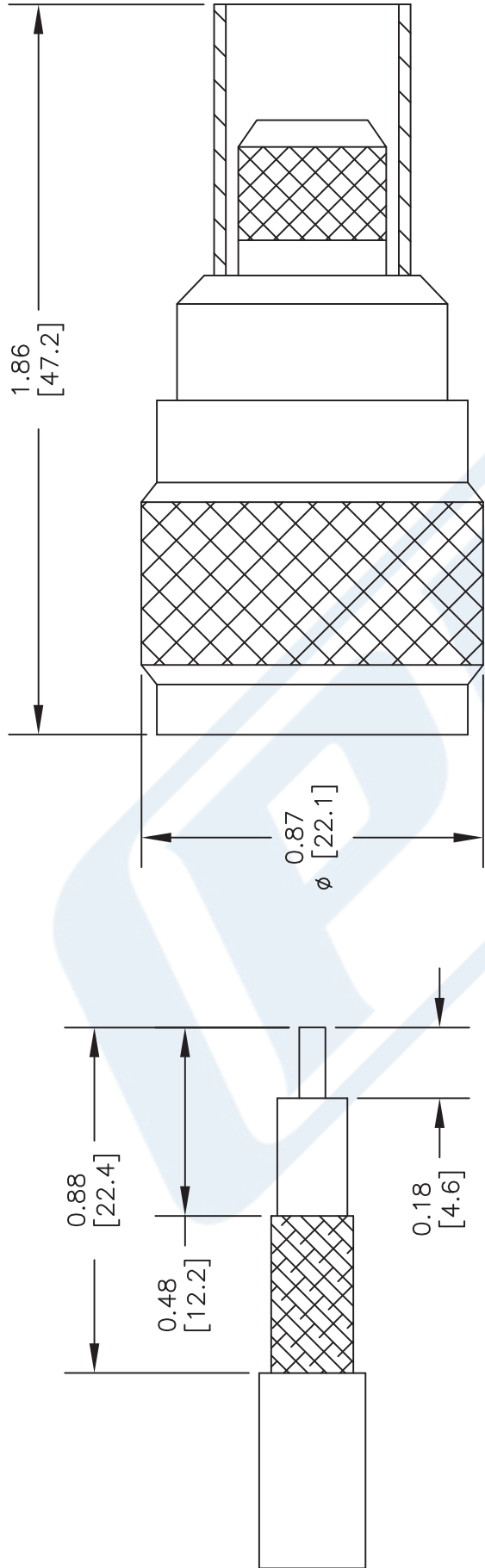
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [HN Male Connector Crimp/Solder Attachment for RG214, RG9, RG225, RG393 PE4474](#)

URL: <https://www.pasternack.com/hn-male-rg214-rg9-rg225-rg393-connector-pe4474-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.

PE4474 CAD Drawing

HN Male Connector Crimp/Solder Attachment for RG214, RG9, RG225, RG393



STRIPPING DIMENSIONS

CRIMP SIZE REQUIRED

CONTACT: SOLDER

FERRULE: .429" HEX CRIMP TOOL

STANDARD TOLERANCES

.X ±0.2
.XX ±0.1
.XXX ±0.05

*STANDARD TOLERANCES APPLY
ONLY TO DIMENSIONS IN INCHES



Pasternack Enterprises, Inc.
P.O. Box 16759 | Irvine | CA | 92623
Phone: (949) 261-1920 | Fax: (949) 261-7451
Website: www.pasternack.com | E-Mail: sales@pasternack.com

DWG TITLE

PE4474

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].

CAGE CODE 53919

CAD FILE 061917

SCALE N/A

SIZE A

2233



N Male Connector Crimp/Solder Attachment for RG214, RG9, RG225, RG393

RF Connectors Technical Data Sheet

PE4048

Configuration

- N Male Connector
- MIL-STD-348A
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: RG214, RG9, RG225, RG393

Features

- Max. Operating Frequency 11 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 PE4048 type N male connector with crimp/solder attachment for RG214, RG9, RG225 and RG393 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 11 GHz and offers good VSWR of 1.5:1.

Our type N male connector PE4048 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 | | 11 | GHz |
| VSWR | | | 1.5:1 | |
| Operating Voltage (AC) | | | 1,000 | Vrms |

Mechanical Specifications

Size

| | |
|------------|---------------------|
| Length | 1.583 in [40.21 mm] |
| Width/Dia. | 0.79 in [20.07 mm] |
| Weight | 0.072 lbs [32.66 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 Connector Crimp/Solder Attachment for RG214, RG9, RG225, RG393 PE4048](#)



N Male Connector Crimp/Solder Attachment for RG214, RG9, RG225, RG393

RF Connectors Technical Data Sheet

PE4048

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 |
| Crimp Sleeve | Brass | Nickel |

Environmental Specifications

Temperature

Operating Range -65 to +165 deg C

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

Plotted and Other Data

Notes:

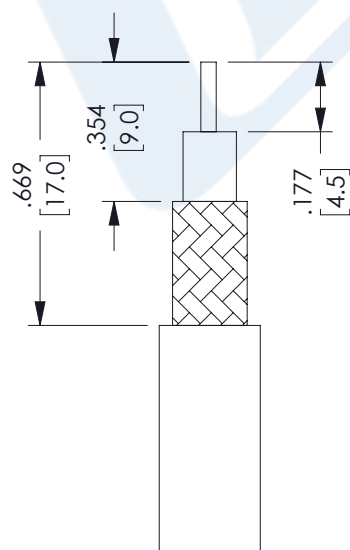
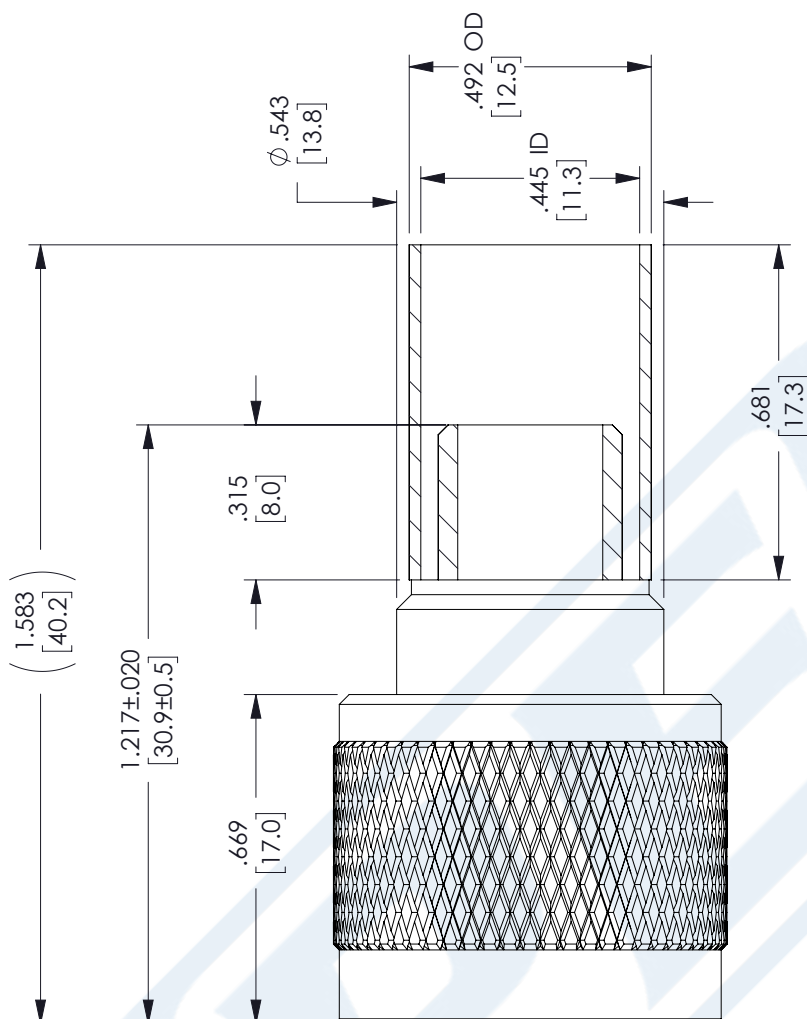
N Male Connector Crimp/Solder Attachment for RG214, RG9, RG225, RG393 from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Male Connector Crimp/Solder Attachment for RG214, RG9, RG225, RG393 PE4048](#)

URL: <https://www.pasternack.com/n-male-standard-rg214-rg9-rg225-rg393-connector-pe4048-p.aspx>

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| REVISIONS | | | |
|-----------|---------------------|-----------|----------|
| REV. | DESCRIPTION | DATE | APPROVED |
| B | PCR PE4048 20220622 | 6/27/2022 | RDELEON |



STRIPPING DIMENSIONS

CRIMP SIZES REQUIRED

CONTACT: .100" HEX CRIMP TOOL
FERRULE: .429" HEX CRIMP TOOL

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%L / -0

ALL DIMENSIONS SHOWN
ARE FOR REFERENCE ONLY.

THIRD-ANGLE PROJECTION



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SHEET 1 OF 1

SCALE N/A

REV B



Pasternack Enterprises, Inc.
P.O. Box 16759, Irvine, CA 92623.
Phone: 1.949.261.1920 | 1.866.727.8376
Fax: 1.949.261.7451
Website: www.pasternack.com
E-mail: sales@pasternack.com

SIZE A CAGE CODE 53919 DRAWN BY DMAY ITEM NO. PE4048

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Flexible RG225 Coax Cable Double Shielded with Brown PTFE (FG) Jacket

RF Cables Technical Data Sheet

RG225/U

Configuration

- Flexible Cable
- 2 Shield(s)

Electrical Specifications

| Description | Minimum | Typical | Maximum | Units |
|-------------------------|---------|--------------|---------|--------------|
| Frequency Range | DC | | 10 | GHz |
| Impedance | | 50 | | Ohms |
| Velocity of Propagation | | 70 | | % |
| Operating Voltage (AC) | | | 3,700 | Vrms |
| 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 | 0.43 in [10.92 mm] |
| Weight | 0.1725 lbs/ft [0.26 kg/m] |

Construction Specifications

| Description | Material and Plating | Diameter |
|-----------------|--|--------------------|
| Inner Conductor | Copper, Silver, 7 Strands | 0.094 in [2.39 mm] |
| Conductor Type | Stranded | |
| Dielectric | PTFE | 0.285 in [7.24 mm] |
| First Shield | Silver Plated Copper Braid 90% coverage | [] |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Flexible RG225 Coax Cable Double Shielded with Brown PTFE \(FG\) Jacket RG225/U](#)



Flexible RG225 Coax Cable Double Shielded with Brown PTFE (FG) Jacket

RF Cables Technical Data Sheet

RG225/U

| | | |
|---------------|--|--------------------|
| Second Shield | Silver Plated Copper Braid 90% coverage | 0.341 in [8.66 mm] |
|---------------|--|--------------------|

| | | |
|--------|------------------|--------------------|
| Jacket | PTFE (FG), Brown | 0.43 in [10.92 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 RG225 Coax Cable Double Shielded with Brown PTFE (FG) 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.

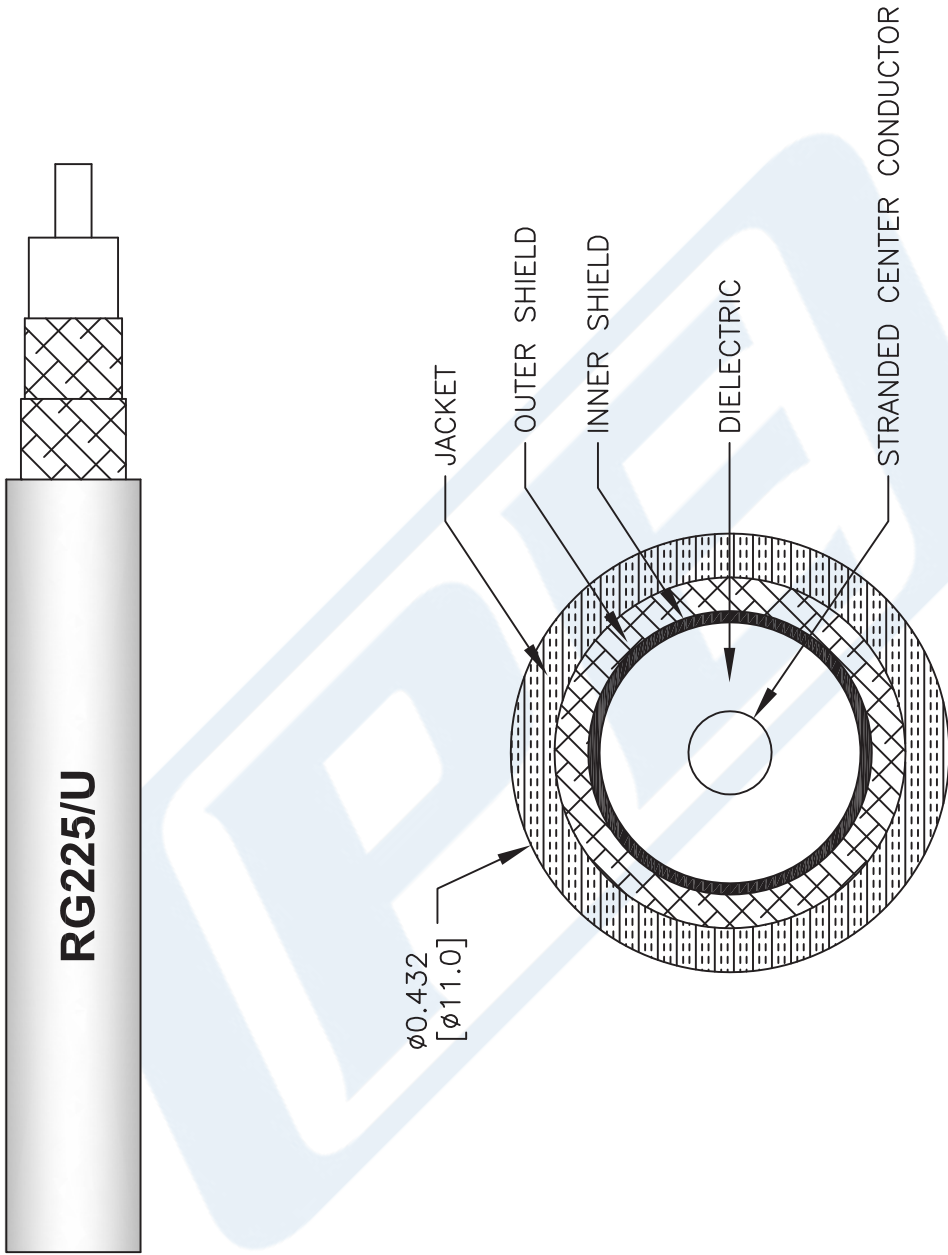
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Flexible RG225 Coax Cable Double Shielded with Brown PTFE \(FG\) Jacket RG225/U](#)

URL: <https://www.pasternack.com/flexible-0.430-rg225-50-ohm-coax-cable-ptfe-fr-jacket-rg225-u-p.aspx>

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RG225/U CAD Drawing

Flexible RG225 Coax Cable Double Shielded with Brown PTFE (FG) Jacket



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3. DIMENSIONS ARE IN INCHES [mm].

DWG TITLE
RG225/U

FSCM NO. 53919

CAD FILE 111716

SCALE N/A

SIZE A

41742

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THE ENGINEER'S RF SOURCE

Pasternack Enterprises, Inc.
P.O. Box 16759 | Irvine | CA | 92623
Phone: (949) 261-1920 | Fax: (949) 261-7451
Website: www.pasternack.com | E-Mail: sales@pasternack.com