



N Male Connector Crimp/Crimp Attachment for RG55, RG141, RG142, RG223, RG400

RF Connectors Technical Data Sheet

PE4042

Configuration

- N Male Connector
- MIL-STD-348
- 50 Ohms
- Straight Body Geometry
- RG55, RG141, RG142, RG223, RG400 Interface Type
- Crimp/Crimp Attachment

Features

- Max. Operating Frequency 12.4 GHz
- Silver Plated Brass Contact
- Contact plating according to ASTM-B700

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE4042 type N male connector with crimp/crimp attachment for RG55, RG141, RG142, RG223 and RG400 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 12.4 GHz.

Our type N male connector PE4042 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 | | 12.4 | GHz |
| Dielectric Withstanding Voltage (AC) | | | 700 | Vrms |

Mechanical Specifications

Size

| | |
|------------|---------------------|
| Length | 1.43 in [36.32 mm] |
| Width/Dia. | 0.812 in [20.62 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/Crimp Attachment for RG55, RG141, RG142, RG223, RG400 PE4042](#)



N Male Connector Crimp/Crimp Attachment for RG55, RG141, RG142, RG223, RG400

RF Connectors Technical Data Sheet

PE4042

Material Specifications

| Description | Material | Plating |
|--------------|----------|---------------------|
| Contact | Brass | Silver ASTM-B700 |
| Insulation | PTFE | |
| Body | Brass | 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:

N Male Connector Crimp/Crimp Attachment for RG55, RG141, RG142, RG223, RG400 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.

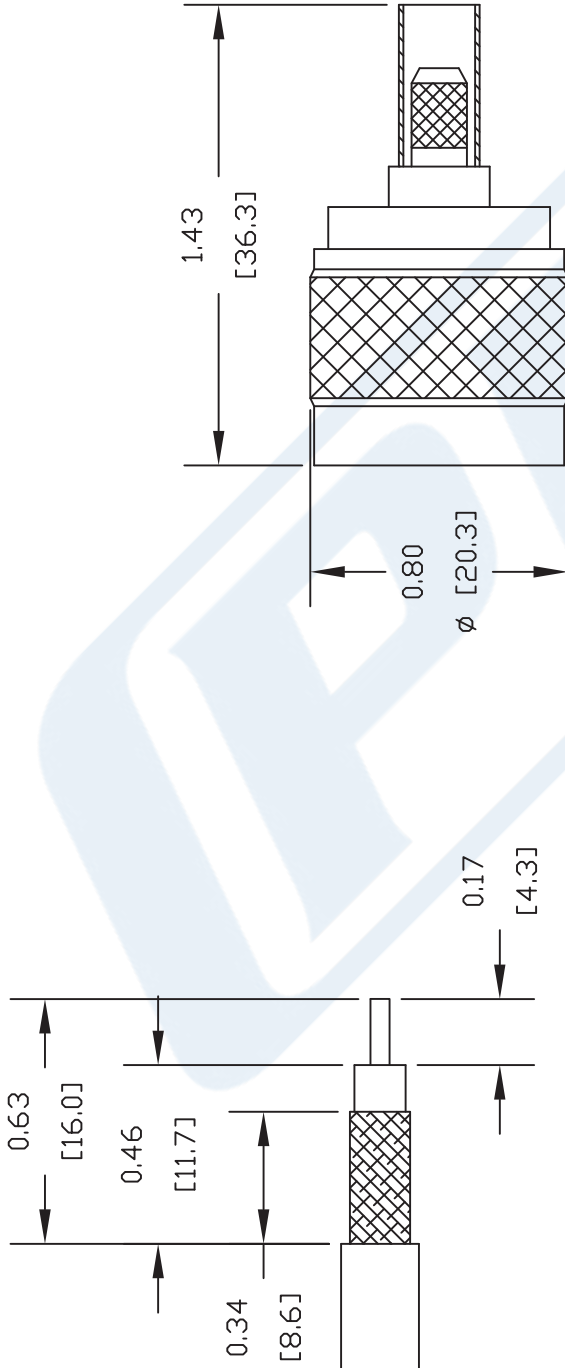
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Male Connector Crimp/Crimp Attachment for RG55, RG141, RG142, RG223, RG400 PE4042](#)

URL: <https://www.pasternack.com/n-male-standard-rg55-rg141-rg142-rg223-rg400-connector-pe4042-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.

PE4042 CAD Drawing

N Male Connector Crimp/Crimp Attachment for RG55, RG141, RG142, RG223, RG400



STRIPPING DIMENSIONS

CRIMP SIZES REQUIRED
 CONTACT: .068" HEX CRIMP TOOL
 FERRULE: .213" HEX CRIMP TOOL



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

PE4042

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. A

FSCM NO. 53919

CAD FILE 051310

SCALE N/A

SIZE A

127



7/16 DIN Male Connector Crimp/Solder Attachment for RG55, RG141, RG142, RG223, RG400

RF Connectors Technical Data Sheet

PE4568

Configuration

- 7/16 DIN Male Connector
- MIL-C-39012
- 50 Ohms
- Straight Body Geometry
- RG55, RG141, RG142, RG223, RG400 Interface Type
- Crimp/Solder Attachment
- 1 1/4 inch Hex

Features

- Silver Plated Contact
- Contact plating according to QQ-S-365

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE4568 7/16 DIN male connector with crimp/solder attachment for RG55, RG141, RG142, RG223 and RG400 is part of our full line of RF components available for same-day shipping.

Our 7/16 DIN male connector PE4568 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 | 1.792 in [45.52 mm] |
| Width/Dia. | 1.25 in [31.75 mm] |
| Weight | 0.21 lbs [95.25 g] |
| Mating Torque | 221 to 265 in-lbs [24.97 to 29.95 Nm] |

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: [7/16 DIN Male Connector Crimp/Solder Attachment for RG55, RG141, RG142, RG223, RG400 PE4568](#)



7/16 DIN Male Connector Crimp/Solder Attachment for RG55, RG141, RG142, RG223, RG400

RF Connectors Technical Data Sheet

PE4568

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

Plotted and Other Data

Notes:

7/16 DIN Male Connector Crimp/Solder Attachment for RG55, RG141, RG142, RG223, RG400 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.

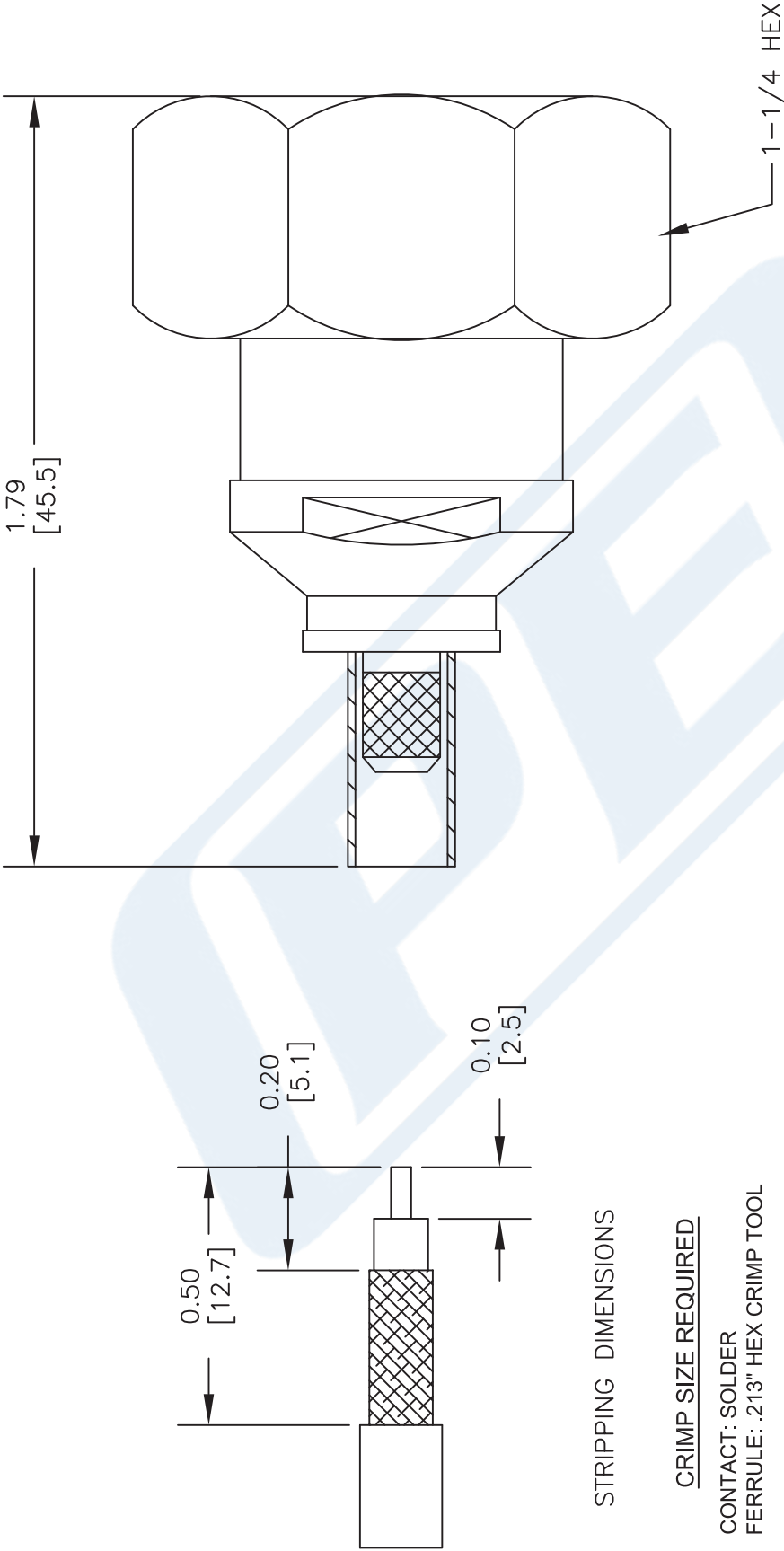
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [7/16 DIN Male Connector Crimp/Solder Attachment for RG55, RG141, RG142, RG223, RG400 PE4568](#)

URL: <https://www.pasternack.com/7-16-male-standard-rg55-rg142-rg223-rg400-connector-pe4568-p.aspx>

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PE4568 CAD Drawing

7/16 DIN Male Connector Crimp/Solder Attachment for
RG55, RG141, RG142, RG223, RG400



STRIPPING DIMENSIONS

CRIMP SIZE REQUIRED

CONTACT: SOLDER
FERRULE: .213" HEX CRIMP TOOL

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

DWG TITLE
PE4568

FSCM NO. 53919

127

SIZE A

SCALE N/A

CAD FILE 052302

PE PASTERNAK®
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Flexible RG223 Coax Cable Double
Shielded with Black PVC Jacket

TECHNICAL DATA SHEET

RG223/U

Configuration

| | |
|--------------------------------------|--|
| Inner Conductor Material and Plating | Copper, Silver |
| Dielectric Type | PE |
| Shield Materials | Silver Plated Copper Braid, Silver Plated Copper Braid |
| Jacket Material and Color | PVC, Black |

Electrical Specifications

| | |
|----------------------------------|---------------|
| Impedance, Ohms | 50 |
| Velocity of Propagation, % | 66 |
| Maximum Operating Frequency, GHz | 12.4 |
| Capacitance, pF/ft [pF/m] | 30.8 [101.05] |
| Maximum Operating Voltage, Volts | 1,900 |

Electrical Specifications by Frequency

Frequency 1

| | |
|---------------------------------|-----------|
| Frequency, MHz | 100 |
| Attenuation, dB/100ft [dB/100m] | 4 [13.12] |

Frequency 2

| | |
|---------------------------------|------------|
| Frequency, MHz | 400 |
| Attenuation, dB/100ft [dB/100m] | 8.2 [26.9] |

Frequency 3

| | |
|---------------------------------|--------------|
| Frequency, MHz | 1000 |
| Attenuation, dB/100ft [dB/100m] | 13.4 [43.96] |

Frequency 4

| | |
|---------------------------------|--------------|
| Frequency, GHz | 3 |
| Attenuation, dB/100ft [dB/100m] | 24.8 [81.36] |

Frequency 5

| | |
|---------------------------------|---------------|
| Frequency, GHz | 5 |
| Attenuation, dB/100ft [dB/100m] | 33.5 [109.91] |

Frequency 6

| | |
|---------------------------------|---------------|
| Frequency, GHz | 11 |
| Attenuation, dB/100ft [dB/100m] | 54.1 [177.49] |

Mechanical Specifications

Temperature

| | |
|------------------------|------------|
| Operating Range, deg C | -20 to +80 |
|------------------------|------------|

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Flexible RG223 Coax Cable Double Shielded with Black PVC Jacket RG223/U](#)

Flexible RG223 Coax Cable Double Shielded with Black PVC Jacket

TECHNICAL DATA SHEET

RG223/U**Inner Conductor**

| | |
|-------------------|--------------|
| Number of Strands | 1 |
| Material | Copper |
| Plating | Silver |
| Diameter, in [mm] | 0.035 [0.89] |

Dielectric:

| | |
|-------------------|--------------|
| Type | PE |
| Diameter, in [mm] | 0.116 [2.95] |

Shield:

| | |
|-------------------|----------------------------|
| Number of | 2 |
| Material 1 | Silver Plated Copper Braid |
| Material 2 | Silver Plated Copper Braid |
| Diameter, in [mm] | 0.156 [3.96] |

Jacket:

| | |
|---------------------------------------|--------------|
| Material | PVC |
| Diameter, in [mm] | 0.21 [5.33] |
| Color | Black |
| One Time Minimum Bend Radius, in [mm] | 0.21 [5.33] |
| Repeated Minimum Bend Radius, in [mm] | 1 [25.4] |
| Weight, lbs/ft [Kg/m] | 0.038 [0.06] |

Compliance Certifications (visit www.Pasternack.com for current document)

| | |
|-----------------|------------|
| RoHS Compliant | |
| REACH Compliant | 06/18/2012 |

Plotted and Other Data

Notes:

- Values at +25 °C, sea level

Flexible RG223 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% 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 RG223 Coax Cable Double Shielded with Black PVC Jacket RG223/U](#)

URL: <http://www.pasternack.com/flexible-0.216-rg223-50-ohm-coax-cable-pvc-jacket-rg223-u-p.aspx>

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RG223/U CAD Drawing

Flexible RG223 Coax Cable Double Shielded with Black PVC Jacket



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DWG TITLE
RG223/U

FSCM NO. 53919

CAD FILE 060508-B

SCALE N/A

SIZE A

2233

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