



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

RF Connectors Technical Data Sheet

PE4134

Configuration

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

Features

- Max. Operating Frequency 6 GHz
- Good VSWR of 1.3:1
- Gold Plated Brass Contact
- 30 µin minimum contact plating

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE4134 type N female 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 type N female connector operates up to a maximum frequency of 6 GHz and offers good VSWR of 1.3:1.

Our type N female connector PE4134 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 | | | 1.3:1 | |
| Operating Voltage (AC) | | | 750 | Vrms |

Mechanical Specifications

| Size | |
|------------|---------------------|
| Length | 1.272 in [32.31 mm] |
| Width/Dia. | 0.61 in [15.49 mm] |
| Weight | 0.056 lbs [25.4 g] |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Female Connector Crimp/Solder Attachment for RG55, RG141, RG142, RG223, RG400 PE4134](#)



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RF Connectors Technical Data Sheet

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Material Specifications

| Description | Material | Plating |
|-------------|----------|---------------------------|
| Contact | Brass | Gold 30 µin minimum |
| Insulation | PTFE | |
| Body | 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

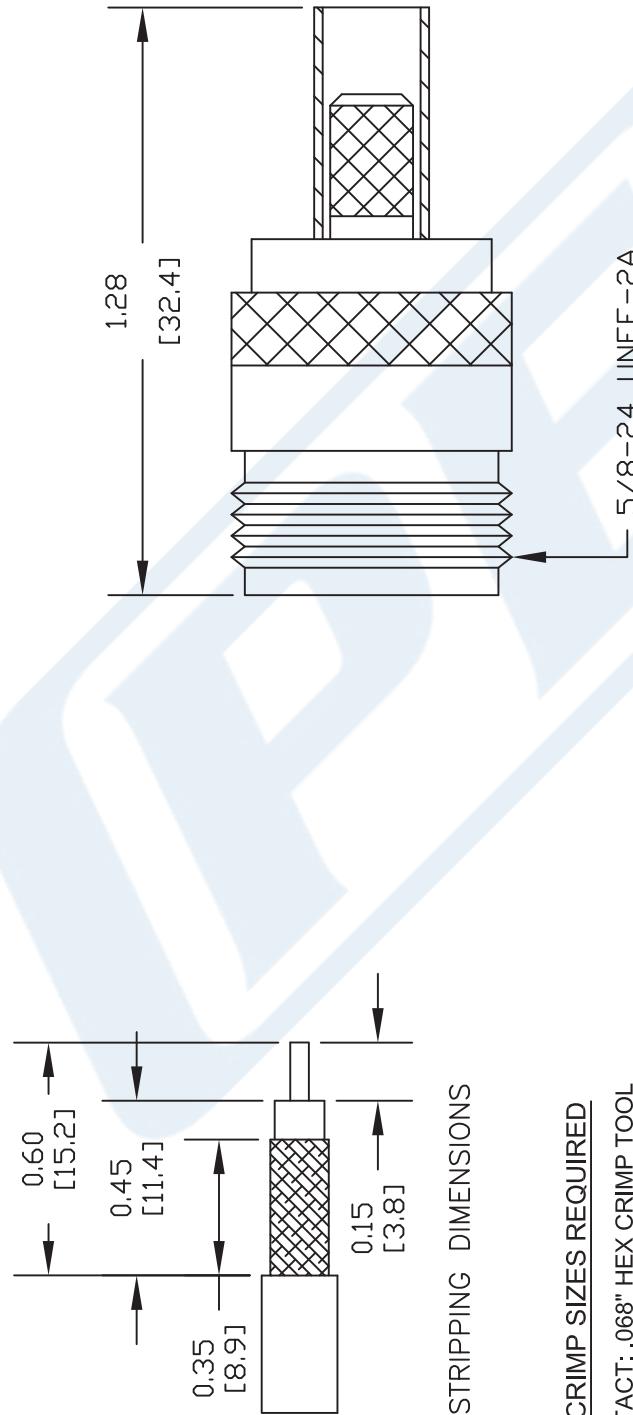
Notes:

N Female 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: [N Female Connector Crimp/Solder Attachment for RG55, RG141, RG142, RG223, RG400 PE4134](#)

URL: <https://www.pasternack.com/n-female-standard-rg55-rg141-rg142-rg223-rg400-connector-pe4134-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.



PE PASTERNACK®

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| DWG TITLE | REV. - | FSCM NO. | CAD FILE | SCALE | SIZE A | 147 |
|---------------|--------|----------|----------|-------|--------|-----|
| PE4134 | | 53919 | | | | |

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.

SMA Male QD Connector Crimp/Solder Attachment For RG142, RG223, RG400, RG55



RF Connectors Technical Data Sheet

PE44461

Configuration

- SMA Male Connector
- 50 Ohms
- Straight Body Geometry
- RG142, RG223, RG400, RG55 Interface Type
- Crimp/Solder Attachment

Electrical Specifications

| Description | Minimum | Typical | Maximum | Units |
|--------------------------------------|---------|---------|---------|-------|
| Frequency Range | DC | | 12.4 | GHz |
| VSWR | | | 1.27:1 | |
| Operating Voltage (AC) | | | 335 | Vrms |
| Dielectric Withstanding Voltage (AC) | | | 1,000 | |

Mechanical Specifications

Size

| | |
|------------|--------------------|
| Length | 1.12 in [28.45 mm] |
| Width/Dia. | 0.51 in [12.95 mm] |
| Weight | 0.018 lbs [8.16 g] |

Material Specifications

| Description | Material | Plating |
|--------------|------------------|----------------------------|
| Contact | Beryllium Copper | Gold 50µ in. minimum |
| Insulation | Teflon | |
| Body | Brass | Gold 10µ in. minimum |
| Coupling Nut | Brass | Nickel 100µ in. minimum |

Compliance Certifications

 (visit www.Pasternack.com for current document)

Not RoHS Compliant

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Male QD Connector Crimp/Solder Attachment For RG142, RG223, RG400, RG55 PE44461](#)

SMA Male QD Connector Crimp/Solder Attachment For RG142, RG223, RG400, RG55



RF Connectors Technical Data Sheet

PE44461

Plotted and Other Data

Notes:

SMA Male QD Connector Crimp/Solder Attachment For RG142, RG223, RG400, RG55 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.

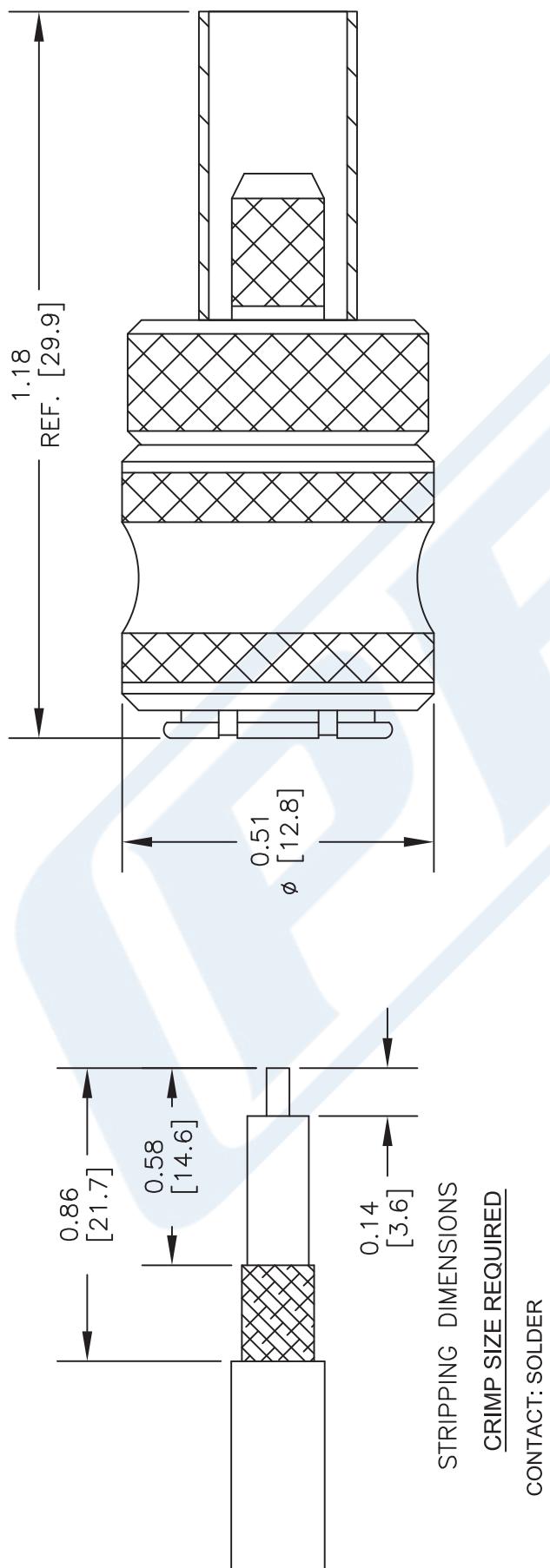
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Male QD Connector Crimp/Solder Attachment For RG142, RG223, RG400, RG55 PE44461](#)

URL: <http://www.pasternack.com/sma-male-quick-disconnect-for-rg223u-pe44461-p.aspx>

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PE44461 CAD Drawing

SMA Male QD Connector Crimp/Solder Attachment For RG142, RG223, RG400, RG55



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

| PASTERNACK® | DWG TITLE | PE44461 | | | | |
|---|-----------|---------|----------|--------|-----------|--------|
| 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 | FSCM NO. | 53919 | CAD FILE | 050613 | SCALE N/A | SIZE A |

53 Ohm Flexible RG55 Coax Cable Double Shielded with Black PE Jacket

TECHNICAL DATA SHEET

RG55B/U

53 Ohm Flexible RG55 Coax Cable Double Shielded with Black PE Jacket

Configuration

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

Electrical Specifications

| | |
|----------------------------------|--------------|
| Impedance, Ohms | 53 |
| Velocity of Propagation, % | 66 |
| Maximum Operating Frequency, GHz | 3 |
| Capacitance, pF/ft [pF/m] | 28.8 [94.49] |

Electrical Specifications by Frequency

Frequency 1

| | |
|---------------------------------|-------------|
| Frequency, MHz | 10 |
| Attenuation, dB/100ft [dB/100m] | 1.35 [4.43] |

Frequency 2

| | |
|---------------------------------|-------------|
| Frequency, MHz | 100 |
| Attenuation, dB/100ft [dB/100m] | 4.3 [14.11] |

Frequency 3

| | |
|---------------------------------|--------------|
| Frequency, MHz | 1000 |
| Attenuation, dB/100ft [dB/100m] | 16.5 [54.13] |

Frequency 4

| | |
|---------------------------------|-------------|
| Frequency, GHz | 3 |
| Attenuation, dB/100ft [dB/100m] | 32 [104.99] |

Mechanical Specifications

Inner Conductor

| | |
|-------------------|--------------|
| Number of Strands | 1 |
| Material | Copper |
| Plating | Silver |
| Diameter, in [mm] | 0.032 [0.81] |

Dielectric:

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

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [53 Ohm Flexible RG55 Coax Cable Double Shielded with Black PE Jacket RG55B/U](#)

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53 Ohm Flexible RG55 Coax Cable Double Shielded with Black PE Jacket

TECHNICAL DATA SHEET

RG55B/U

Shield:

| | |
|------------|---------------------|
| Number of | 2 |
| Material 1 | Tinned Copper Braid |
| Material 2 | Tinned Copper Braid |

Jacket:

| | |
|-----------------------|--------------|
| Material | PE |
| Diameter, in [mm] | 0.202 [5.13] |
| Color | Black |
| Weight, lbs/ft [Kg/m] | 0.035 [0.05] |

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

Plotted and Other Data

Notes: Values at 25 °C, sea level

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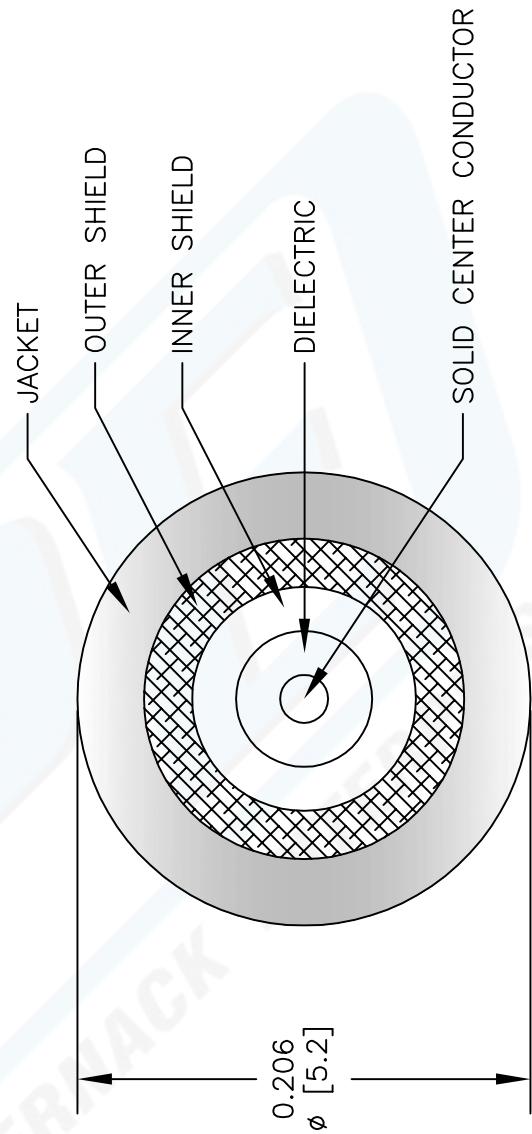
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [53 Ohm Flexible RG55 Coax Cable Double Shielded with Black PE Jacket RG55B/U](#)

URL: <http://www.pasternack.com/flexible-0.206-rg55-53.5-ohm-coax-cable-pe-jacket-rg55b-u-p.aspx>

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RG55B/U CAD Drawing

53 Ohm Flexible RG55 Coax Cable Double Shielded with Black PE Jacket



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|----------------|--------|----------|----------|-------|------|-----|
| RG55B/U | | 53919 | 040113-A | N/A | N/A | |

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