



## N Female Connector Crimp/Solder Attachment For RG223, RG142, RG400, RG55, White Bronze

### TECHNICAL DATA SHEET

PE44789

#### Configuration

Connector: N Female  
 Connector Interface Type: RG223, RG142, RG400, RG55  
 Cable Attachment Method (Shield/Contact): Crimp/Solder  
 Body Style: Straight

#### Electrical Specifications

Impedance, Ohms: 50

#### Mechanical Specifications

##### Size

Length, in [mm]: 1.45 [36.83]  
 Width/Dia., in [mm]: 0.67 [17.02]  
 Weight, lbs [g]: 0.11 [49.9]

##### Connector

Type: N Female  
 Contact Material and Plating: Phosphor Bronze, Gold  
 Body Material and Plating: Brass, Nexcote  
 Dielectric Type: Teflon

#### Compliance Certifications (visit [www.Pasternack.com](http://www.Pasternack.com) for current document)

RoHS Compliant: Yes

#### Plotted and Other Data

Notes: Values at 25 °C, sea level

N Female Connector Crimp/Solder Attachment For RG223, RG142, RG400, RG55, White Bronze from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and fiber optic products maintain a 99% availability and are part of the broadest selection in the industry.

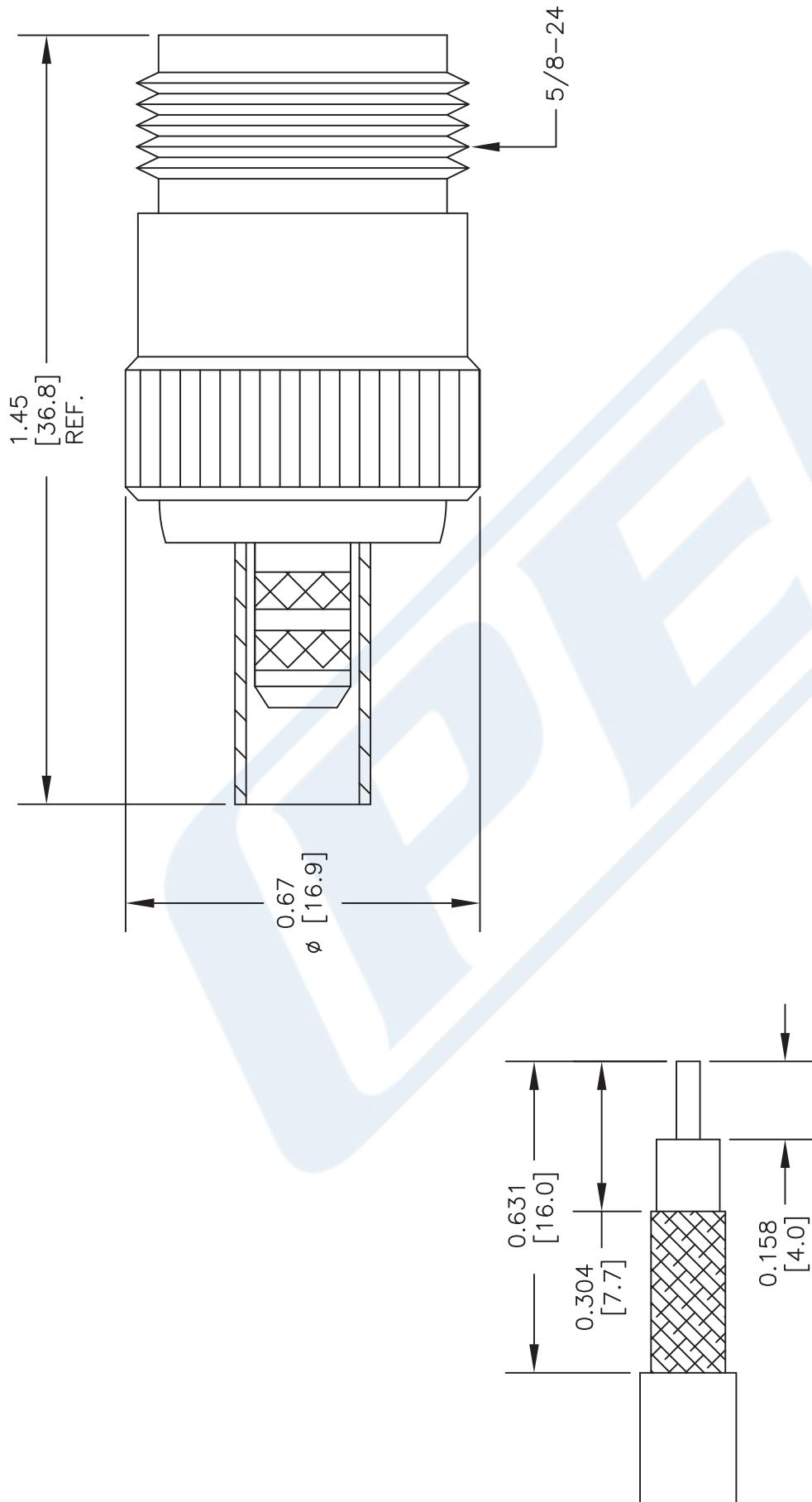
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Female Connector Crimp/Solder Attachment For RG223, RG142, RG400, RG55, White Bronze PE44789](http://www.pasternack.com/n-female-standard-rg223-rg142-rg400-rg55-connector-pe44789-p.aspx)

URL: <http://www.pasternack.com/n-female-standard-rg223-rg142-rg400-rg55-connector-pe44789-p.aspx>

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# PE44789 CAD Drawing

N Female Connector Crimp/Solder Attachment For RG223,  
RG142, RG400, RG55, White Bronze



## STRIPPING DIMENSIONS

### CRIMP SIZE REQUIRED

CONTACT: SOLDER  
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](http://www.pasternack.com) | E-Mail: [sales@pasternack.com](mailto:sales@pasternack.com)

DWG TITLE	PE44789
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.	FSCM NO. 53919 CAD FILE 022614 SCALE N/A SIZE A 2233



## BNC Male Connector Crimp/Solder Attachment for RG55, RG141, RG142, RG223, RG400

### RF Connectors Technical Data Sheet

PE4044

#### Configuration

- BNC Male Connector
- MIL-STD-348A
- 50 Ohms
- Straight Body Geometry

- RG55, RG141, RG142, RG223, RG400 Interface Type
- Crimp/Solder Attachment

#### Features

- Max. Operating Frequency 4 GHz
- Good VSWR of 1.3:1

- Gold Plated Brass Contact
- 30  $\mu$ in minimum contact plating

#### Applications

- General Purpose Test
- Custom Cable Assemblies

#### Description

Pasternack's PE4044 BNC 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 BNC male connector operates up to a maximum frequency of 4 GHz and offers good VSWR of 1.3:1.

Our BNC male connector PE4044 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			1.3:1	
Operating Voltage (AC)			500	Vrms

#### Mechanical Specifications

##### Size

Length  
Width/Dia.

1.13 in [28.7 mm]  
0.571 in [14.50 mm]

Weight

0.025 lbs [11.34 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [BNC Male Connector Crimp/Solder Attachment for RG55, RG141, RG142, RG223, RG400 PE4044](#)



## BNC Male Connector Crimp/Solder Attachment for RG55, RG141, RG142, RG223, RG400

### RF Connectors Technical Data Sheet

PE4044

#### 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
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:

BNC 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.

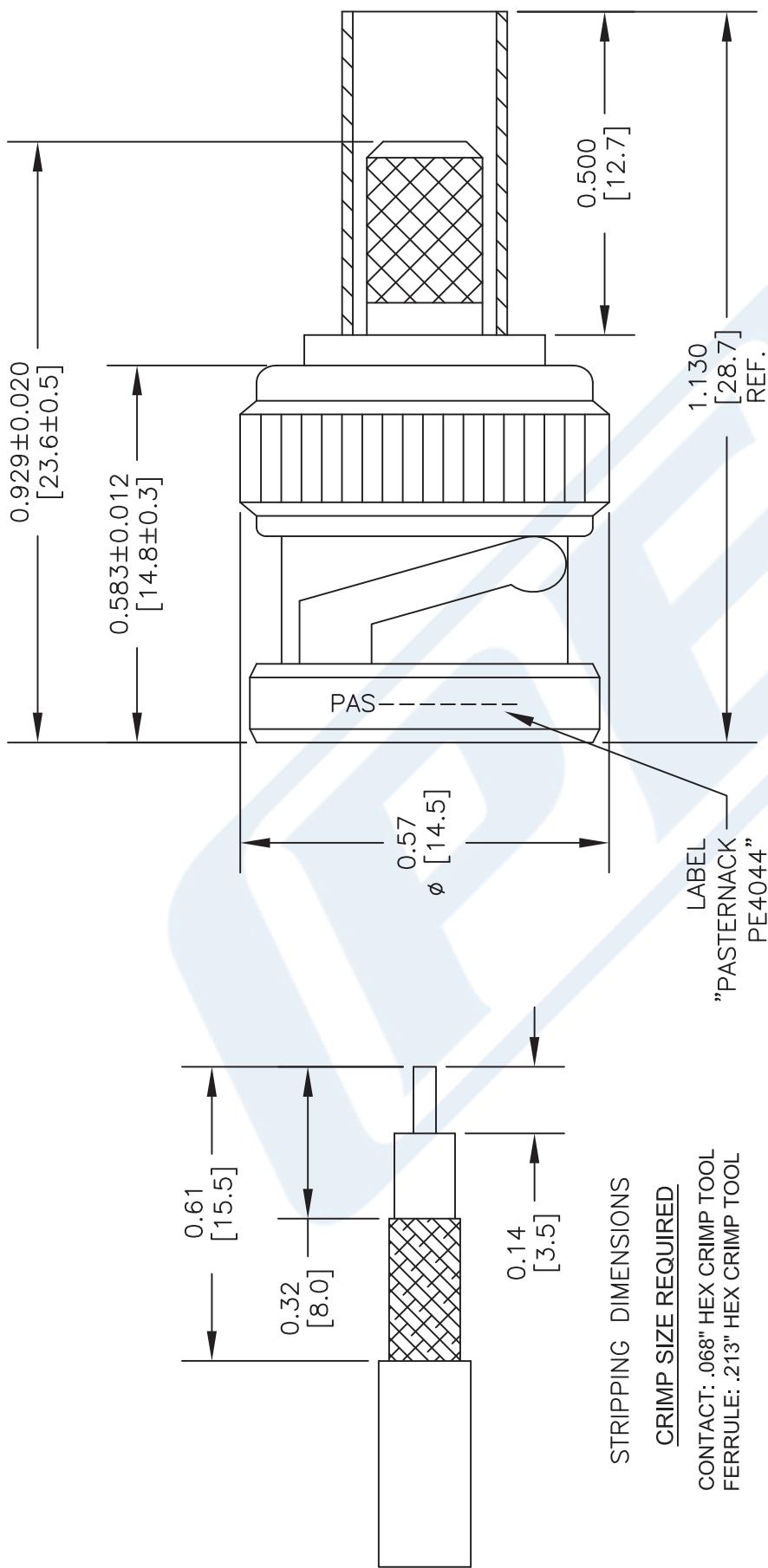
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [BNC Male Connector Crimp/Solder Attachment for RG55, RG141, RG142, RG223, RG400 PE4044](#)

URL: <https://www.pasternack.com/bnc-male-standard-rg55-rg141-rg142-rg223-rg400-connector-pe4044-p.aspx>

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# PE4044 CAD Drawing

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



STANDARD TOLERANCES

.X ±0.2  
.XX ±0.1  
.XXX ±0.05

\*STANDARD TOLERANCES APPLY  
ONLY TO DIMENSIONS IN INCHES



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DWG TITLE	PE4044
FSCM NO. 53919	CAD FILE 042516 SCALE N/A SIZE A 3045

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## 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](http://www.Pasternack.com) for current document)

**Plotted and Other Data**

Notes: Values at 25 °C, sea level

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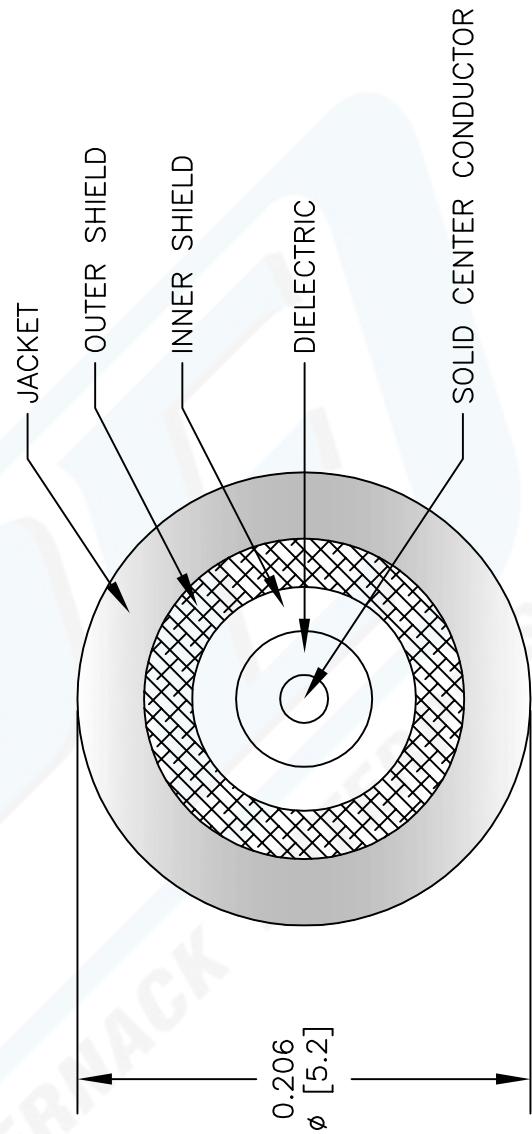
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [53 Ohm Flexible RG55 Coax Cable Double Shielded with Black PE Jacket RG55B/U](#)

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



**PE PASTERNACK®**

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DWG TITLE	REV. A	FSCM NO.	CAD FILE	SCALE	SIZE	147
<b>RG55B/U</b>		53919	040113-A	N/A	N/A	

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