



## MCX Plug Connector Crimp/Solder Attachment for RG55, RG141, RG142, RG223, RG400

### RF Connectors Technical Data Sheet

PE4881

#### Configuration

- MCX Plug Connector
- MIL-C-39012
- 50 Ohms
- Straight Body Geometry

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

#### Features

- Gold Plated Contact
- Contact plating according to MIL-G-45204

#### Applications

- General Purpose Test
- Custom Cable Assemblies

#### Description

Pasternack's PE4881 MCX plug 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 MCX plug connector PE4881 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

0.92 in [23.37 mm]

Width/Dia.

0.25 in [6.35 mm]

Weight

0.006 lbs [2.72 g]

#### Material Specifications

Description	Material	Plating
Contact		Gold MIL-G-45204
Insulation	PTFE	
Body	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: [MCX Plug Connector Crimp/Solder Attachment for RG55, RG141, RG142, RG223, RG400 PE4881](#)



## MCX Plug Connector Crimp/Solder Attachment for RG55, RG141, RG142, RG223, RG400

### RF Connectors Technical Data Sheet

PE4881

#### Environmental Specifications

##### Temperature

Operating Range

-65 to +165 deg C

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

#### Plotted and Other Data

Notes:

MCX Plug 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.

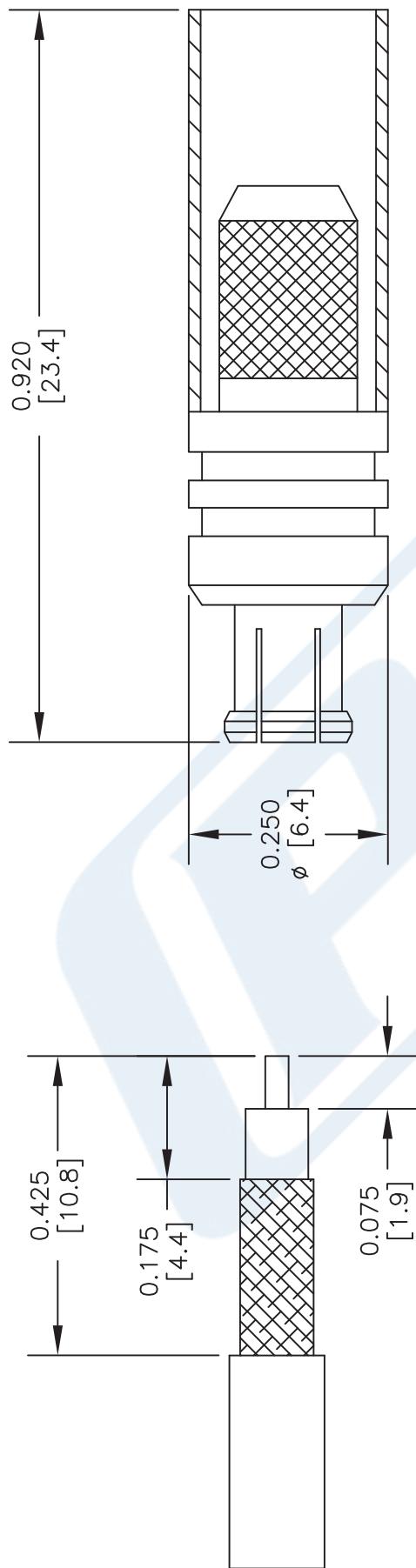
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [MCX Plug Connector Crimp/Solder Attachment for RG55, RG141, RG142, RG223, RG400 PE4881](#)

URL: <https://www.pasternack.com/mcx-plug-standard-rg55-rg142-rg223-rg400-connector-pe4881-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.

# PE4881 CAD Drawing

MCX Plug Connector Crimp/Solder Attachment for RG55, RG141, RG142, RG223, RG400



CRIMP SIZE REQUIRED  
FERRULE: .213" HEX CRIMP TOOL

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  
**PE4881**

FSCM NO.	CAD FILE	SCALE	SIZE	xxxx
53919	061202	N/A	A	

**PE PASTERNACK®**

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## 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.

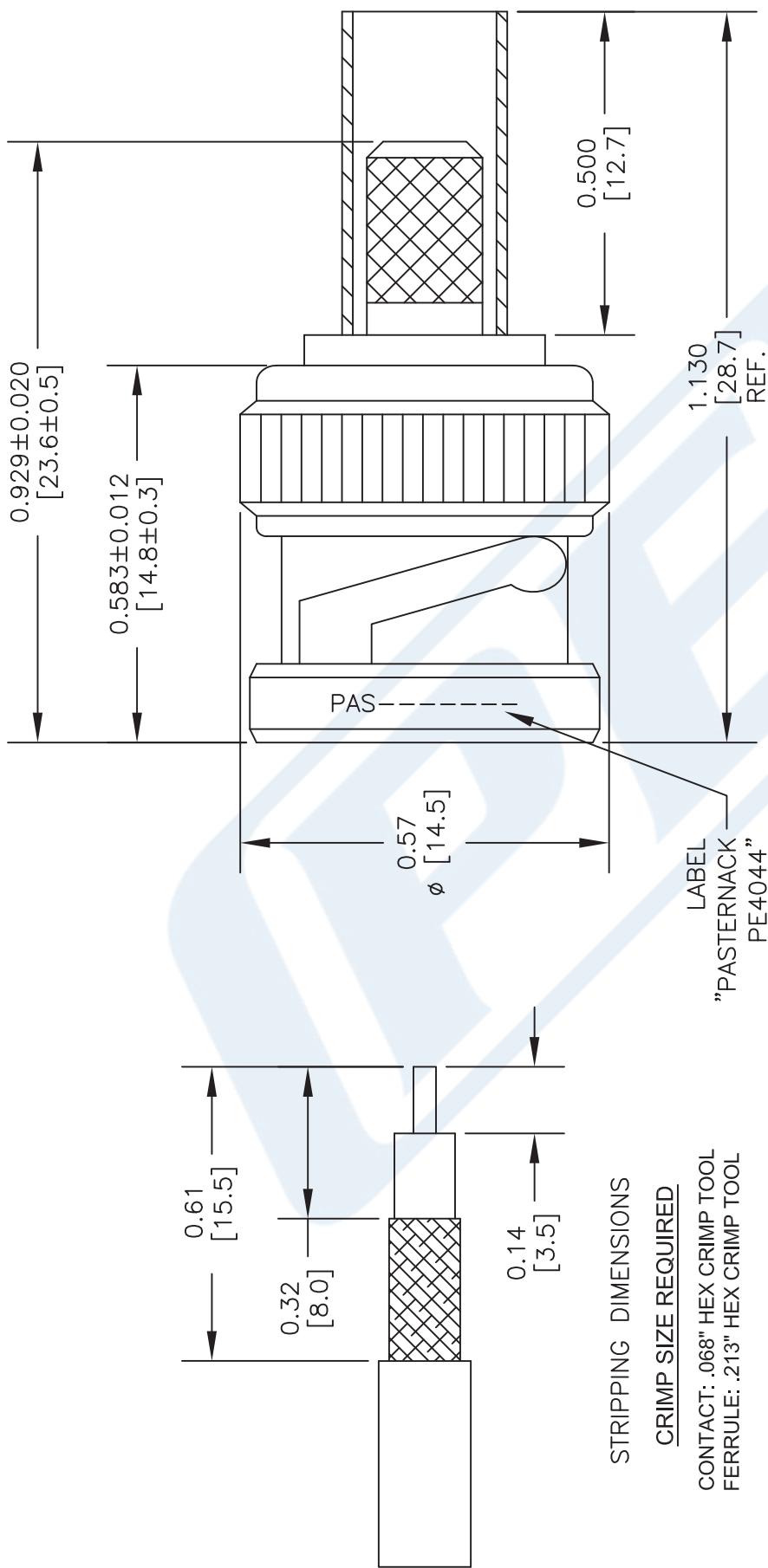
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [BNC Male Connector Crimp/Solder Attachment for RG55, RG141, RG142, RG223, RG400 PE4044](#)

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

NOTES:  
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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  
 Dielectric Type  
 Shield Materials  
 Jacket Material and Color

Copper, Silver  
 PE  
 Silver Plated Copper Braid, Silver Plated Copper Braid  
 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](http://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.

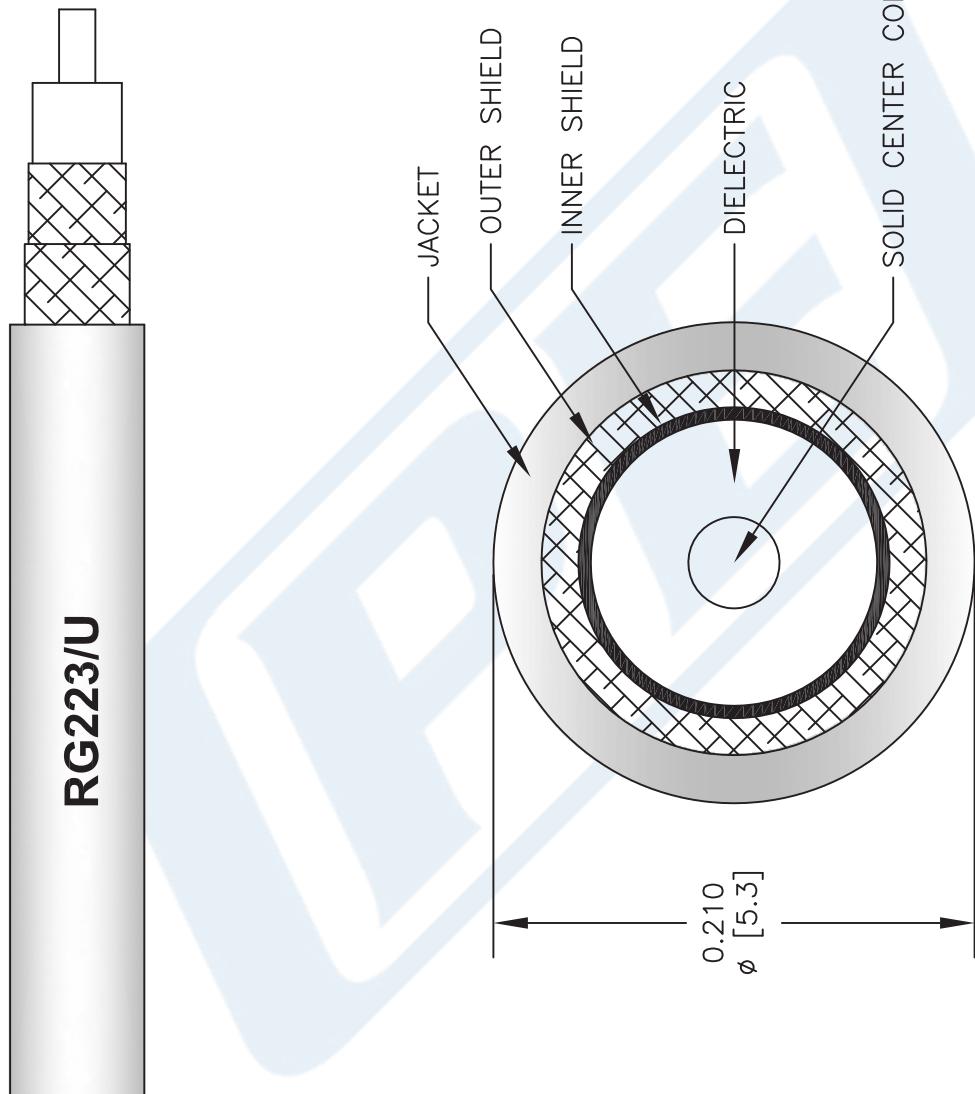
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Flexible RG223 Coax Cable Double Shielded with Black PVC Jacket RG223/U](#)

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**

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FSCM NO.	CAD FILE	SCALE	SIZE	REV
53919	060508-B	N/A	A	2233