


**MHV Male Connector Crimp/Solder Attachment
for RG55, RG141, RG142, RG223, RG400**
TECHNICAL DATA SHEET
PE4657
Configuration

Connector	MHV Male
Connector Specification	MIL-STD-348A
Connector Interface Type	RG55, RG141, RG142, RG223, RG400
Attachment Method (Shield/Contact)	Crimp/Solder
Body Style	Straight

Electrical Specifications

Frequency Range	DC to 300 MHz
Impedance	50 Ohms
Maximum Operating Voltage	1,600 Volts

Mechanical Specifications

Temperature	-65 to +165 deg C
Operating Range	

Size

Length	1.5 in [38.1 mm]
Width/Dia.	0.57 in [14.48 mm]
Weight	0.034 lbs [15.42 g]

Connector

Type	MHV Male
Contact Material and Plating	Brass, Gold
Contact Plating Specification	30 μ in. minimum
Coupling Nut Material and Plating	Brass, Nickel
Coupling Nut Plating Specification	100 μ in. minimum
Body Material and Plating	Brass, Nickel
Body Plating Specification	100 μ in. minimum
Dielectric Type	Teflon

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

RoHS Compliant

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [MHV Male Connector Crimp/Solder Attachment for RG55, RG141, RG142, RG223, RG400 PE4657](#)



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

TECHNICAL DATA SHEET

PE4657

Plotted and Other Data

Notes:

- Values at +25 °C, sea level

MHV 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.

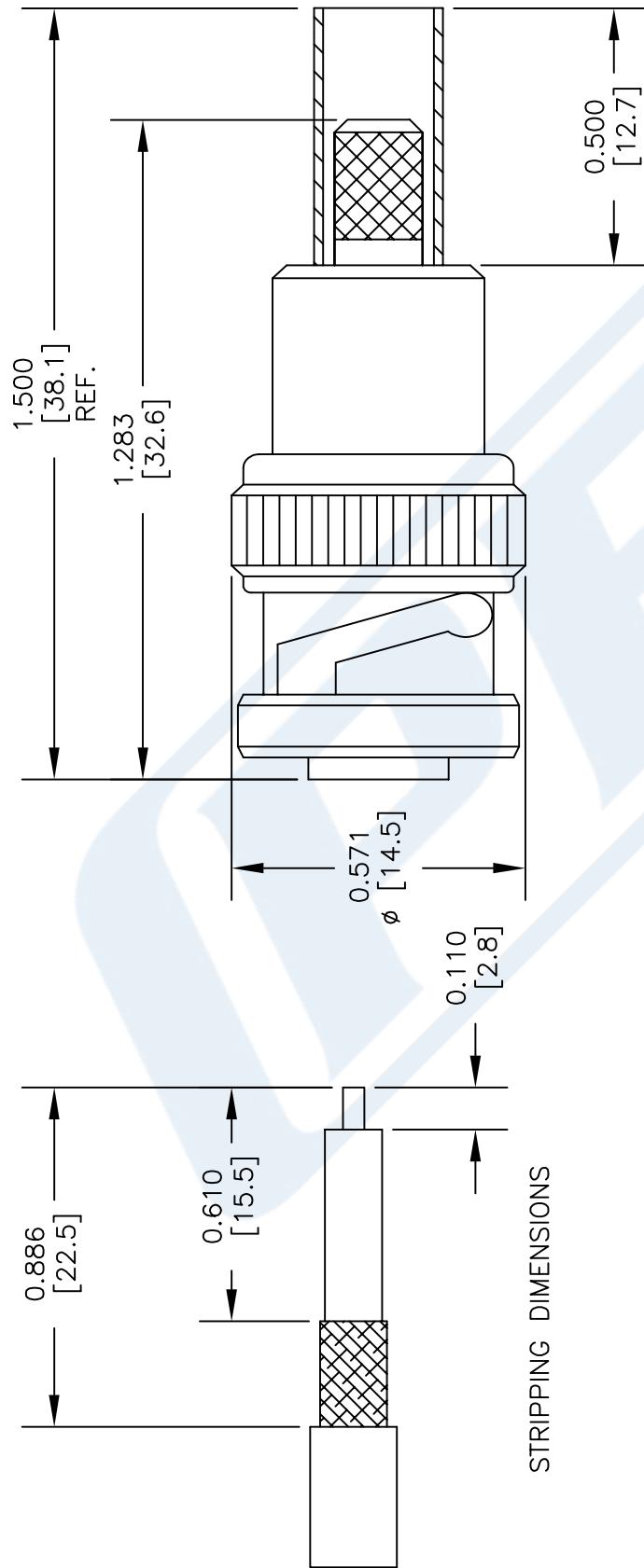
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URL: <http://www.pasternack.com/mhv-male-rg55-rg141-rg142-rg223-rg400-connector-pe4657-p.aspx>

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PE4657 CAD Drawing

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



CRIMP SIZE REQUIRED

CONTACT: 079 [2.0] HEX CRIMP TOOL
FERRULE: .213 [5.6] HEX CRIMP TOOL

PASTERNACK®
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

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].

DWG TITLE	PE4657
FSCM NO.	53919
CAD FILE	101514
SCALE	N/A
SIZE	A



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 μ 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	1.13 in [28.7 mm]
Width/Dia.	0.571 in [14.50 mm]
Weight	0.027 lbs [12.25 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 μ in minimum
Insulation	PTFE	
Body	Brass	Nickel 100 μ in minimum
Coupling Nut	Brass	Nickel 100 μ 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:

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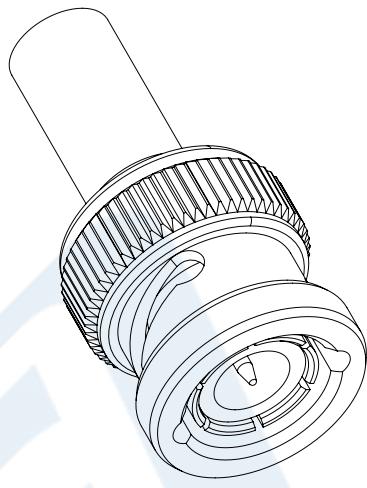
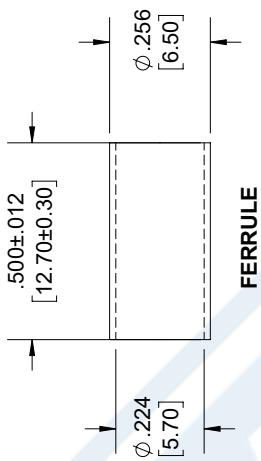
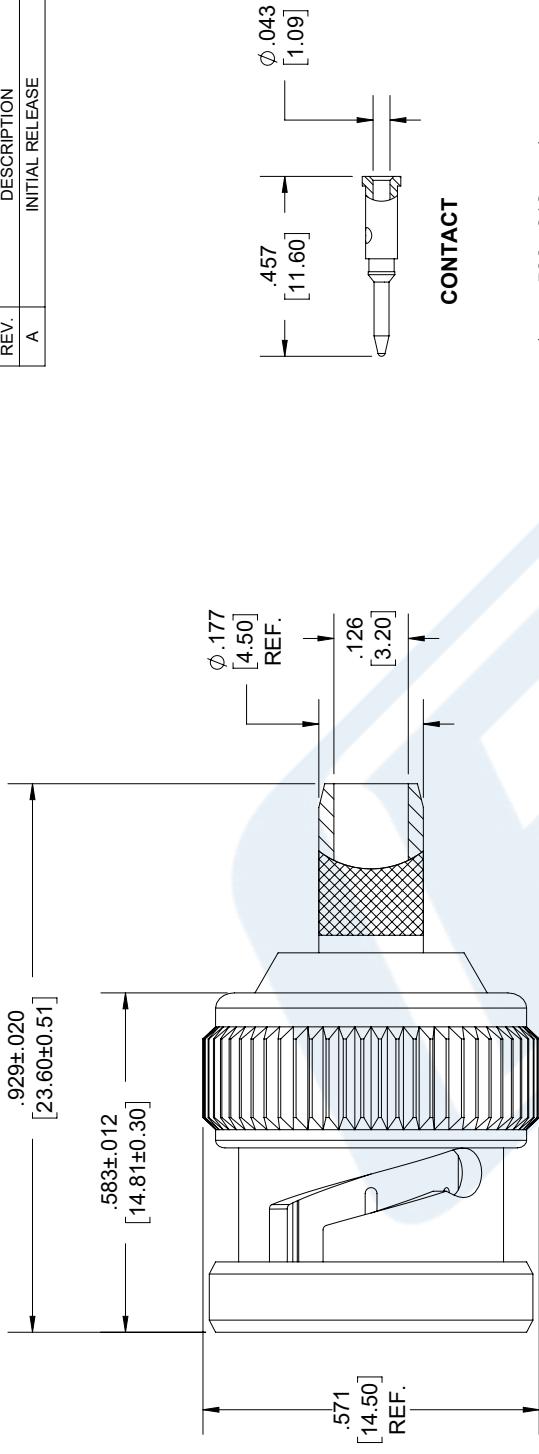
URL: <https://www.pasternack.com/bnc-male-standard-rg55-rg141-rg142-rg223-rg400-connector-pe4044-p.aspx>

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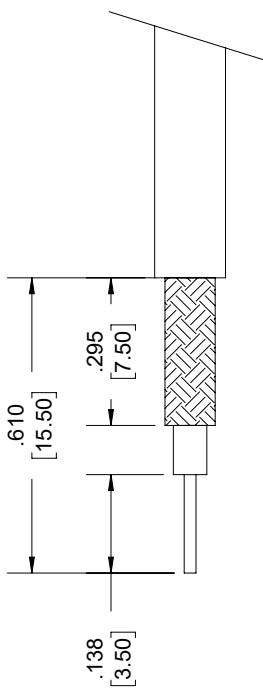
PE4044 CAD Drawing

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

REVISIONS		DESCRIPTION		DATE	APPROVED
REV.	INITIAL RELEASE			02/06/19	SELLIS



STRIPPING DIMENSIONS



NOTES:

1. CABLE ATTACHMENT:
 - OUTER: SOLDER/CRIMP.
 - INNER: SOLDER/CRIMP.
2. CRIMP SIZE REQUIRED:
 - FERRULE: .213 [5.41] HEX. CRIMP TOOL
 - CONTACT: .068 [1.73] HEX. CRIMP TOOL.

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Pasternack Enterprises, Inc. P.O. Box 16759, Irvine, CA 92623. Phone: 1.949.261.1920 1.866.1.866. Fax: 1.949.261.7451 www.pasternack.com email: sales@pasternack.com		SHEET 1 OF 1	
UNLESS OTHERWISE SPECIFIED, LEADING DIMENSIONS ARE INCHES. FOLLOWING DIMENSIONS IN [] ARE MILLIMETERS. TOLERANCES: X=± .2 [5.08] FRACTIONS: XX=± .01 [25] ± 1/32 XXX=± .005 [13] ANGLES ± 1° ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY. THIRD-ANGLE PROJECTION		SCALE N/A REV A	
SIZE	CAGE A 53919	DRAWN BY KDANG	PART NUMBER PE4044

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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 for current document)

Plotted and Other Data

Notes: Values at 25 °C, sea level

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

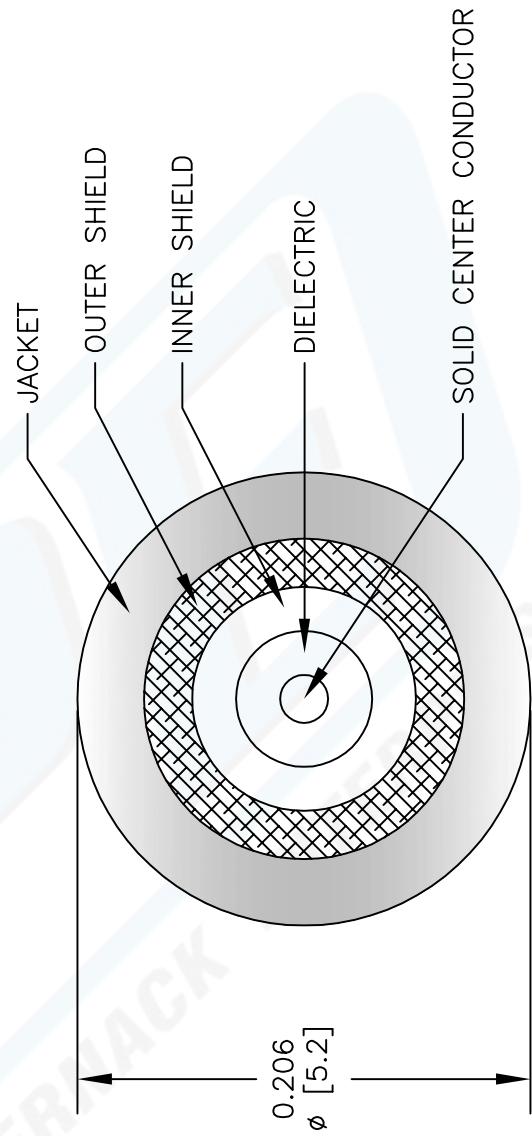
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RG55B/U CAD Drawing

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



RG55B/U



RG55B/U

DWG TITLE

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REV. A	FSCM NO.	53919	CAD FILE	040113-A	SCALE	N/A	SIZE	A
								147

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