



BNC Male Right Angle to BNC Male Cable
Using RG303 Coax with HeatShrink

RF Cable Assemblies Technical Data Sheet

PE37894/HS

Configuration

- Connector 1: BNC Male Right Angle
- Connector 2: BNC Male
- Cable Type: RG303

Features

- Max Frequency 3 GHz
- FEP Jacket

Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE37894/HS BNC male right angle to BNC male cable using RG303 coax is part of our full line of RF components available for same-day shipping. Pasternack's flexible RF cable assemblies are ideal for applications where tight bends and flexure are required. This Pasternack BNC to BNC cable assembly has a male to male gender configuration with 50 ohm flexible RG303 coax. The PE37894/HS BNC male to BNC male cable assembly operates to 3 GHz. The right angle BNC interface on the RG303 cable allows for easier connections in tight spaces.

Custom versions of most RF cable assemblies can be built and shipped same day. Custom cable assembly lengths can be obtained by specifying the desired length on the web site at time of order or by contacting a sales representative. Other available RF cable assembly value added services include connector orientation or clocking, heat shrink booting and custom labeling. RF testing can also be performed to document the electrical performance of your cable assembly.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		3	GHz
VSWR			1.4:1	
Capacitance		32 [104.99]		pF/ft [pF/m]

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	400					MHz
Insertion Loss (Typ.)	0.086					dB/ft
	0.28					dB/m

Electrical Specification Notes:

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [BNC Male Right Angle to BNC Male Cable Using RG303 Coax with HeatShrink PE37894/HS](#)



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Insertion Loss does not include the loss of the connectors. Insertion Loss is estimated as 0.1 dB for the straight connector and 0.2 dB for the right angle connector.

Mechanical Specifications

Cable Assembly

Weight 0.12 lbs [54.43 g]

Cable

Cable Type RG303
Impedance 50 Ohms
Inner Conductor Type Solid
Inner Conductor Material and Plating Copper Clad Steel, Silver
Dielectric Type PTFE
Number of Shields 1
Shield Layer 1 Silver Plated Copper Braid
Jacket Material FEP, Tan
Jacket Diameter 0.17 in [4.32 mm]

Connectors

Description	Connector 1	Connector 2
Type	BNC Male Right Angle	BNC Male
Specification	MIL-STD-348A	MIL-STD-348A
Impedance	50 Ohms	50 Ohms
Contact Material and Plating	Brass, Gold	Brass, Gold
Contact Plating Specification	30 µin minimum	30 µin minimum
Dielectric Type	PTFE	PTFE
Body Material and Plating	Brass, Nickel	Brass, Nickel
Body Plating Specification	100 µin minimum	100 µin minimum
Coupling Nut Material and Plating	Brass, Nickel	Brass, Nickel
Coupling Nut Plating Specification	100 µin minimum	100 µin minimum

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

Plotted and Other Data

Notes:

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RF Cable Assemblies Technical Data Sheet

PE37894/HS

How to Order

Part Number Configuration:

PE37894/HS

- **xx**

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Unit of Measure:
cm = Centimeters
<blank> = Inches
Length
Base Number

Example: PE37894/HS-12 = 12 inches long cable
PE37894/HS-100cm = 100 cm long cable

BNC Male Right Angle to BNC Male Cable Using RG303 Coax with HeatShrink from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

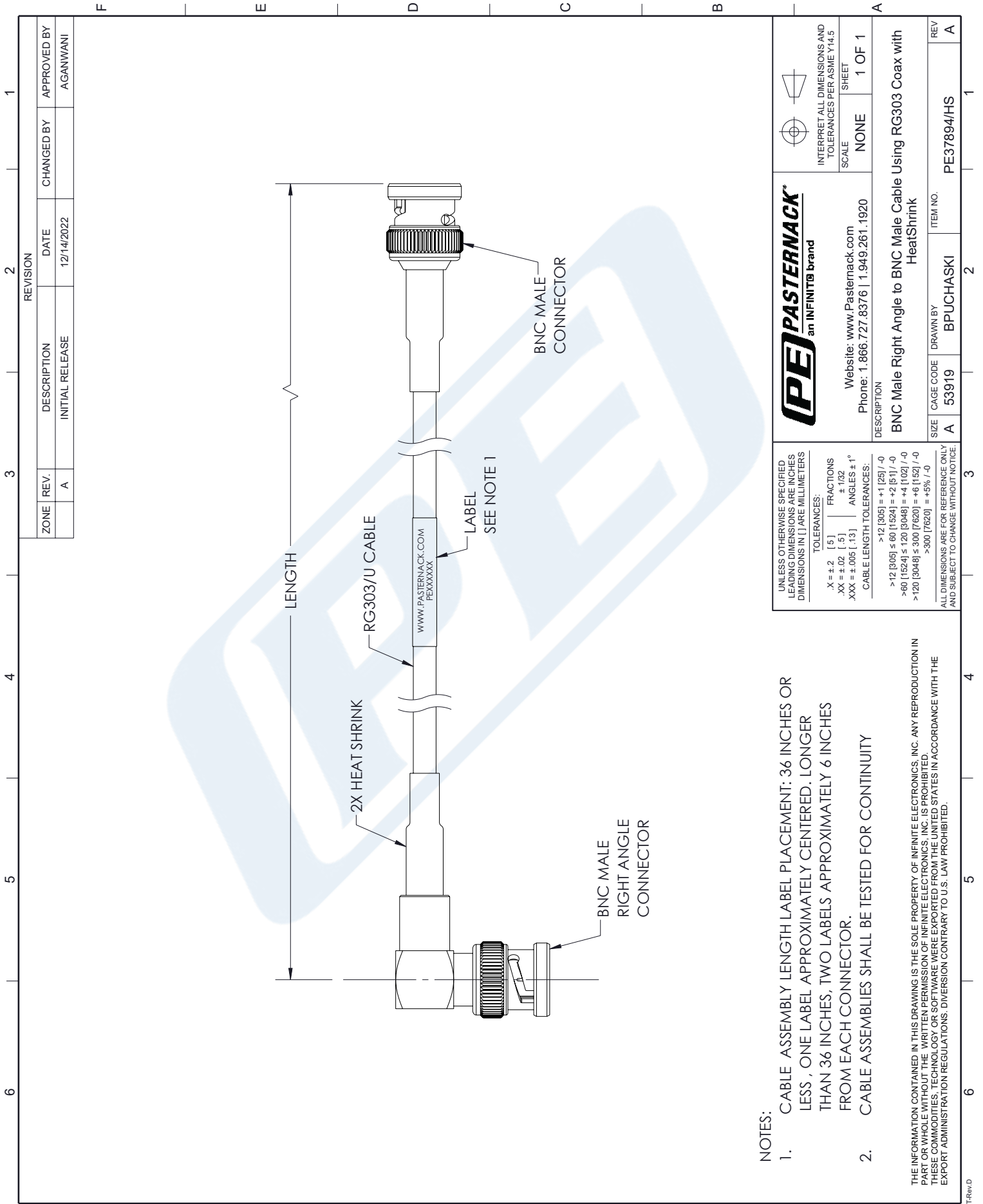
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [BNC Male Right Angle to BNC Male Cable Using RG303 Coax with HeatShrink PE37894/HS](#)

URL: <https://www.pasternack.com/bnc-male-right-angle-to-bnc-male-cable-using-rg303-with-heatshrink-pe37894-hs-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.

PE37894/HS CAD Drawing

BNC Male Right Angle to BNC Male Cable Using RG303 Coax with HeatShrink



NOTES:

1. CABLE ASSEMBLY LENGTH LABEL PLACEMENT: 36 INCHES OR LESS, ONE LABEL APPROXIMATELY CENTERED. LONGER THAN 36 INCHES, TWO LABELS APPROXIMATELY 6 INCHES FROM EACH CONNECTOR.
2. CABLE ASSEMBLIES SHALL BE TESTED FOR CONTINUITY

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UNLESS OTHERWISE SPECIFIED
LEADING DIMENSIONS ARE INCHES
DIMENSIONS IN [] ARE MILLIMETERS

TOLERANCES:

X = ±.2 [.5] FRACTIONS

.XX = ±.02 [.5] ANGLES ± 1°

XXX = ±.005 [.13]

CABLE LENGTH TOLERANCES:

>12 [305] = +1 [25] / -0

>60 [1524] = +2 [51] / -0

>120 [3048] = +4 [102] / -0

>300 [7620] = +6 [152] / -0

>300 [7620] = +5% / -0

ALL DIMENSIONS ARE FOR REFERENCE ONLY
AND SUBJECT TO CHANGE WITHOUT NOTICE.



Website: www.Pasternack.com

Phone: 1.866.727.8376 | 1.949.261.1920

DESCRIPTION

BNC Male Right Angle to BNC Male Cable Using RG303 Coax with HeatShrink

INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5

SCALE NONE

SHEET 1 OF 1

ITEM NO.

PE37894/HS

DRAWN BY

BPUCHASKI

SIZE

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CAGE CODE

53919

REV

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