Snap-On MMBX Plug Right Angle to N Female
Bulkhead Cable 4 Inch Length Using RG174 Coax

RF Cable Assemblies Technical Data Sheet   PE3C4041-4

Configuration
- Connector 1: Snap-On MMBX Plug Right Angle
- Connector 2: N Female Bulkhead
- Cable Type: RG174

Features
- Max. Operating Frequency of 3 GHz
- Snap-On mating
- Low Profile Right Angle Configurations
- SMA Bulkhead, N Bulkhead and TNC Bulkhead Between-Series Configurations

Applications
- General Purpose Test
- PCB Probing
- PCB Testing
- PCB-to-Panel

Description

Pasternack's MMBX cable assemblies are part of our full line of RF components available for same-day shipping. These MMBX cable assemblies are designed to connect MMBX system components or test connections, delivering signal frequencies as high as 3 GHz. Our family of MMBX cables can also be used to connect from PCB to panel, offering between series MMBX options with SMA Bulkhead, TNC Bulkhead and N Bulkhead assembly configurations. If none of our standard options fit your application, you can specify your own custom MMBX cable assembly using Pasternack's online Cable Creator.

Our MMBX cable assembly datasheet specifications and drawing with dimensions are shown below in this PDF. Pasternack's broad catalog of RF, microwave and millimeter wave cable assemblies allow 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 cable assemblies 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		1,000	MHz
VSWR			1.4:1	
Return Loss		-15.56		dB
Velocity of Propagation		66		%
Capacitance		31.1 [102.03]		pF/ft [pF/m]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: Snap-On MMBX Plug Right Angle to N Female Bulkhead Cable 4 Inch Length Using RG174 Coax PE3C4041-4

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Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	50	100	250	500	1,000	MHz
Insertion Loss (Max.)	0.22	0.23	0.25	0.28	0.31	dB

Mechanical Specifications

Cable Assembly
Length*   4 in [101.6 mm]
Diameter   0.807 in [20.5 mm]

Cable
Cable Type   RG174
Impedance   50 Ohms
Inner Conductor Type   Stranded
Inner Conductor Material and Plating   Copper Clad Steel, Silver
Dielectric Type   PE
Number of Shields   1
Shield Layer 1   Tinned Copper Braid
Jacket Material   PVC, Black
Jacket Diameter   0.11 in [2.79 mm]

Connectors

Description	Connector 1	Connector 2
Type	MMBX Plug Right Angle	N Female Bulkhead
Specification		MIL-STD-348A
Impedance	50 Ohms	50 Ohms
Connection Method	Snap-On	
Mating Cycles	100	100
Contact Material and Plating	Beryllium Copper, Gold	Brass, Gold
Contact Plating Specification		30 μin minimum
Dielectric Type	PTFE	PTFE
Outer Conductor Material and Plating	Brass, Gold	
Body Material and Plating	Brass, Gold	Brass, Nickel
Body Plating Specification		100 μin minimum

Mechanical Specification Notes:

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*All cable assemblies have a length tolerance of 1.5% or ± 3/8", whichever is greater.

Environmental Specifications
 Temperature
 Operating Range   -40 to +80 deg C

Compliance Certifications (see product page for current document)

Plotted and Other Data
 Notes:

How to Order

 Part Number Configuration: **PE3C4041   - xx   uu**

                                                                    Unit of Measure:
                                                                       cm = Centimeters
                                                                       <blank> = Inches
                                                                    Length
                                                                    Base Number
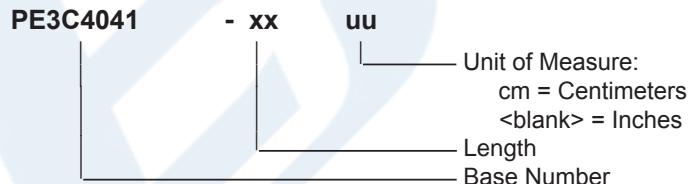
 Example: PE3C4041-12 = 12 inches long cable
             PE3C4041-100cm = 100 cm long cable

Snap-On MMBX Plug Right Angle to N Female Bulkhead Cable 4 Inch Length Using RG174 Coax 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: Snap-On MMBX Plug Right Angle to N Female Bulkhead Cable 4 Inch Length Using RG174 Coax PE3C4041-4

URL: https://www.pasternack.com/mmbx-plug-n-female-rg174au-cable-assembly-pe3c4041-4-p.aspx

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PE3C4041-4 CAD Drawing
Snap-On MMBX Plug Right Angle to N Female Bulkhead
Cable 4 Inch Length Using RG174 Coax

5/8-24

3/4 HEX

.915 [23.24]

N FEMALE BULKHEAD

.280 [7.11] MAX PANEL

1/2 HEX

LENGTH MEASURED FROM CONTACT TO FLANGE

RG174A/U

MMBX PLUG RIGHT ANGLE

∅ .157 [4.00]

.240 [6.10]

.55 [14.0]

∅ .64 [16.3]

MOUNTING HOLE

STANDARD TOLERANCES
.X   ±0.2
.XX   ±0.01
.XXX ±0.005

*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES
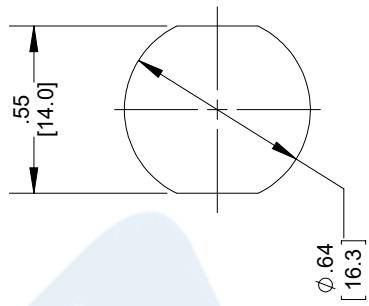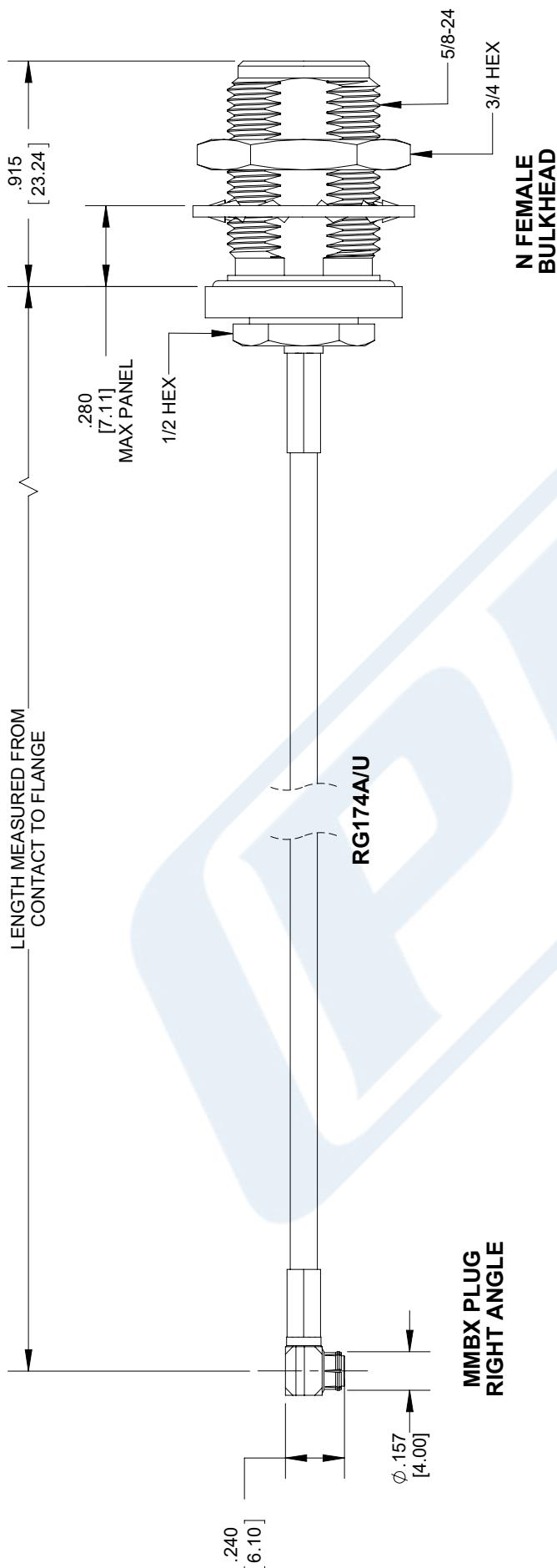
NOTES:
1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.
2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.
3. DIMENSIONS ARE IN INCHES [mm].

DWG TITLE	
PE3C4041	

CAGE CODE **53919**

CAD FILE 052317

SCALE N/A

SIZE A

9999

PE3C4041-4 REV 1.0

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