

MCX Jack Bulkhead Mount Connector Crimp/Solder Attachment for RG174, RG316, RG188, LMR-100, PE-B100, PE-C100, 0.100 inch, .177 inch D Hole



RF Connectors Technical Data Sheet

PE4887

Configuration

- MCX Jack Connector
- CECC 22220
- 50 Ohms
- Straight Body Geometry

- RG174, RG316, RG188, LMR-100, PE-B100, PE-C100, 0.100 inch Interface Type
- Crimp/Solder Attachment
- Bulkhead

Features

- Gold Plated Beryllium Copper Contact
- 50 μ in minimum contact plating

Applications

- General Purpose Test
- Rack and Panel Mount Applications
- Custom Cable Assemblies

Description

Pasternack's PE4887 MCX jack bulkhead connector with crimp/solder attachment for RG174, RG316, RG188, LMR-100, PE-B100, PE-C100 and 0.100 inch (.177 inch D hole) is part of our full line of RF components available for same-day shipping. This MCX bulkhead connector allows designers to create external connections on their product enclosures, and can be used in a variety of other rack mount and panel mount applications.

Our MCX jack bulkhead connector PE4887 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
Width/Dia.
Weight

0.682 in [17.32 mm]
0.25 in [6.35 mm]
0.005 lbs [2.27 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [MCX Jack Bulkhead Mount Connector Crimp/Solder Attachment for RG174, RG316, RG188, LMR-100, PE-B100, PE-C100, 0.100 inch, .177 inch D Hole PE4887](#)

MCX Jack Bulkhead Mount Connector Crimp/Solder Attachment for RG174, RG316, RG188, LMR-100, PE-B100, PE-C100, 0.100 inch, .177 inch D Hole



RF Connectors Technical Data Sheet

PE4887

Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold 50 μ in minimum
Insulation	PTFE	
Body	Brass	Gold 30 μ in minimum
Crimp Sleeve	Brass	Gold

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

Plotted and Other Data

Notes:

MCX Jack Bulkhead Mount Connector Crimp/Solder Attachment for RG174, RG316, RG188, LMR-100, PE-B100, PE-C100, 0.100 inch, .177 inch D Hole 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.

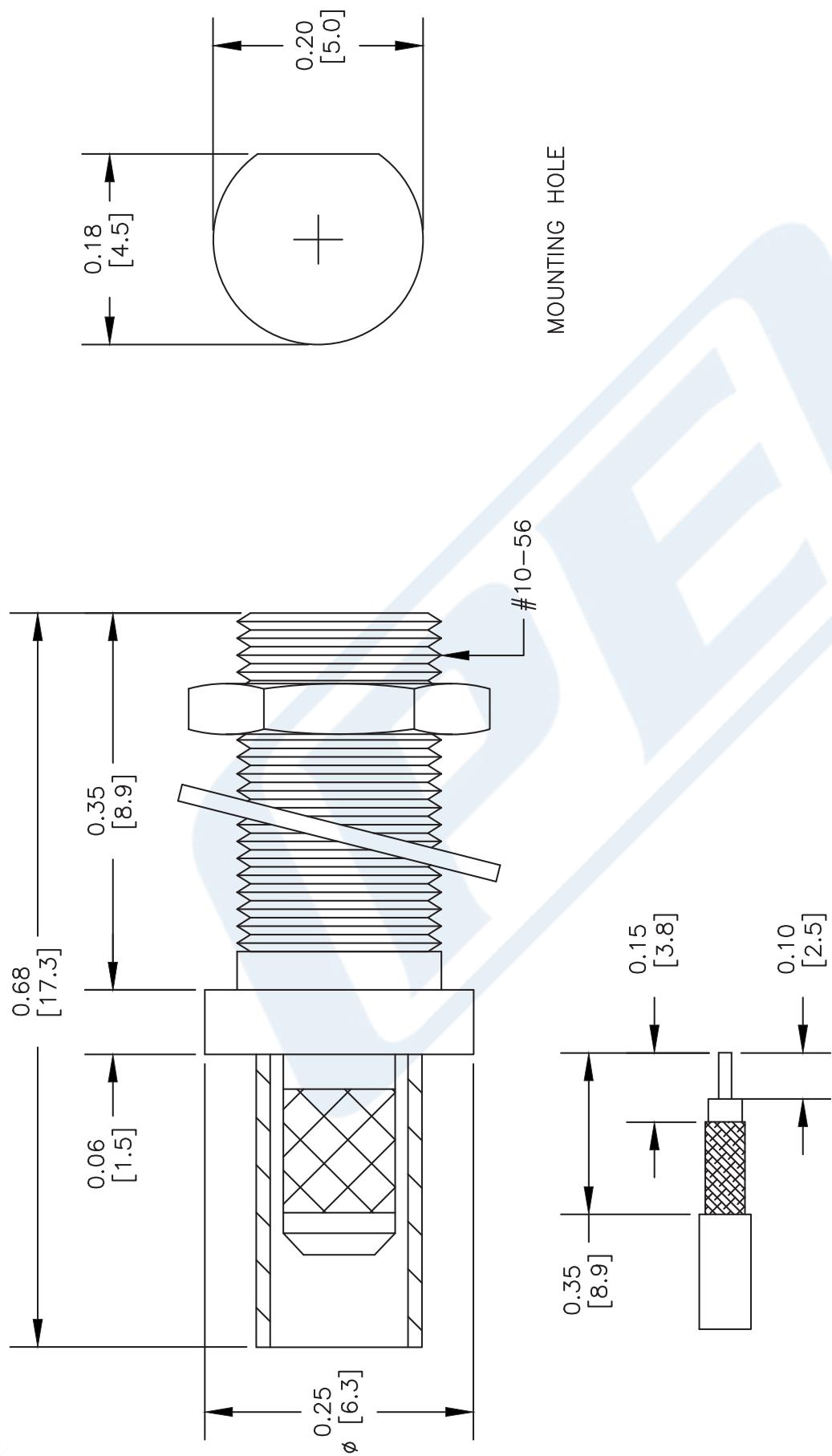
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [MCX Jack Bulkhead Mount Connector Crimp/Solder Attachment for RG174, RG316, RG188, LMR-100, PE-B100, PE-C100, 0.100 inch, .177 inch D Hole PE4887](#)

URL: <https://www.pasternack.com/mcx-jack-standard-rg174-rg316-rg188-connector-pe4887-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.

PE4887 CAD Drawing

MCX Jack Bulkhead Mount Connector Crimp/Solder Attachment for RG174, RG316, RG188, LMR-100, PE-B100, PE-C100, 0.100 inch, .177 inch D Hole



CONTACT: SOLDER
FERRULE: 128" HEX CRIMP TOOL



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DWG TITLE
PE4887

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.	CAD FILE	SCALE N/A	SIZE A	127
53919	061202			

BNC Male Connector Crimp/Crimp Attachment for .100 inch, RG316, RG174, RG188, LMR-100, LMR-100, LMR-100-FR, PE-C100, PE-B100



RF Connectors Technical Data Sheet

PE45045

Configuration

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

- .100 inch, RG316, RG174, RG188, LMR-100, LMR-100, LMR-100-FR, PE-C100, PE-B100 Interface Type
- Crimp/Crimp Attachment

Features

- Max. Operating Frequency 3 GHz
- Excellent VSWR of 1.25:1

- Gold Plated Brass Contact
- 50 µin minimum contact plating

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE45045 BNC male connector with crimp/crimp attachment for .100 inch, RG316, RG174, RG188, LMR-100, LMR-100, LMR-100-FR, PE-C100 and PE-B100 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 3 GHz and offers excellent VSWR of 1.25:1.

Our BNC male connector PE45045 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		3	GHz
VSWR			1.25:1	
Operating Voltage (AC)			335	Vrms

Mechanical Specifications

Size

- Length
- Width/Dia.
- Weight

- 0.99 in [25.15 mm]
- 0.57 in [14.48 mm]
- 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/Crimp Attachment for .100 inch, RG316, RG174, RG188, LMR-100, LMR-100, LMR-100-FR, PE-C100, PE-B100 PE45045](#)

BNC Male Connector Crimp/Crimp Attachment for .100 inch, RG316, RG174, RG188, LMR-100, LMR-100, LMR-100-FR, PE-C100, PE-B100



RF Connectors Technical Data Sheet

PE45045

Material Specifications

Description	Material	Plating
Contact	Brass	Gold 50 μ in minimum
Insulation	PTFE	
Body	Brass	Nickel 100 μ in minimum
Coupling Nut	Brass	Nickel 100 μ in minimum
Gasket	Silicone Rubber	

Environmental Specifications

Temperature

Operating Range

-65 to +165 deg C

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

Plotted and Other Data

Notes:

Assembly Instruction

BNC Male Connector Crimp/Crimp Attachment for .100 inch, RG316, RG174, RG188, LMR-100, LMR-100, LMR-100-FR, PE-C100, PE-B100 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.

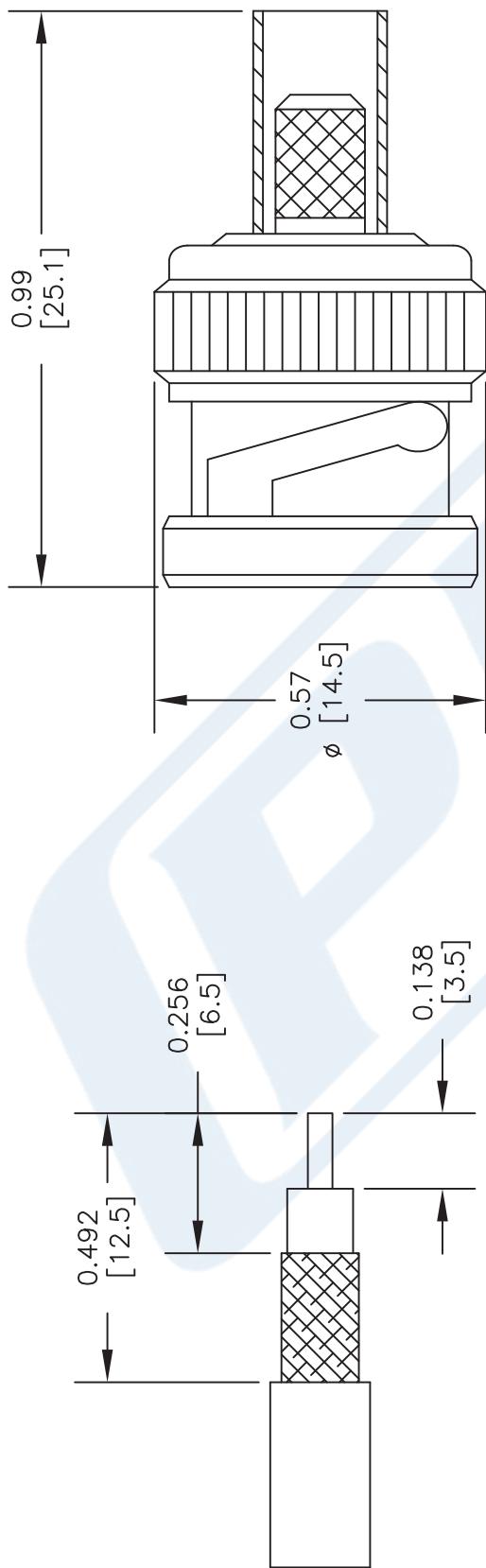
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [BNC Male Connector Crimp/Crimp Attachment for .100 inch, RG316, RG174, RG188, LMR-100, LMR-100, LMR-100-FR, PE-C100, PE-B100 PE45045](#)

URL: <https://www.pasternack.com/bnc-male-.100-rg316-rg188-lmr-100-lmr-100-connector-pe45045-p.aspx>

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PE45045 CAD Drawing

BNC Male Connector Crimp/Crimp Attachment for .100 inch, RG316, RG174,
RG188, LMR-100, LMR-100, LMR-100-FR, PE-C100, PE-B100



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	PE45045	CAGE CODE	53919	CAD FILE	021617	SCALE	N/A	SIZE	A	2233
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RG174 Non-Magnetic Flexible Coaxial Cable, Single Shielded with Black PVC Jacket

RF Cables Technical Data Sheet

RG174NM

Configuration

- Non-Magnetic Flexible Cable
- 1 Shield(s)

Features

- Max Frequency 100 MHz
- Magnetic Susceptibility 10^{-5}

Applications

- General Purpose Test
- Custom Cable Assemblies
- Medical
- Military and Aerospace
- Quantum Computing

Description

RG174NM part number from Pasternack is a RG174 non-magnetic coax cable that is flexible. Pasternack flexible coax RF cable has an impedance of 50 Ohm and a PE dielectric. Our RG174 coax cable is constructed with a jacket made of PVC. This black-colored non-magnetic coax cable has a nominal capacitance of 31.7 pF/Ft.

The RG174 coax RF cable has a shield count of 1. Our coax cable from Pasternack has a maximum frequency of 0.1 GHz. Additional specifications for this RG174NM single-shielded RF coaxial cable are on our downloadable PDF datasheet above. This flexible coax RF cable has a minimum bend radius of 15 in along with 0.021 in of center conductor diameter.

Our RG174 coax cable can operate at temperatures ranging from -40 to +105 degrees C. The RG174NM flexible RF cable has a solid copper center conductor. This black-colored flexible RF cable with a 50 Ohm impedance has a typical insertion loss/maximum attenuation of 12.5 dB/100ft at a frequency of 0.1 GHz.

Pasternack RG174 non-magnetic coax cables are part of over 40,000 RF, microwave, and millimeter wave components. These flexible cables and our other RF parts are available for same-day shipping worldwide. Custom RF cable assemblies using RG174, or other coax can be built and shipped the same business day as well.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		100	MHz
Impedance		50		Ohms
Nominal Capacitance		31.7 [104]		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: [RG174 Non-Magnetic Flexible Coaxial Cable, Single Shielded with Black PVC Jacket RG174NM](#)



RG174 Non-Magnetic Flexible Coaxial Cable, Single Shielded with Black PVC Jacket

RF Cables Technical Data Sheet

RG174NM

Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	100					MHz
Attenuation, Typ	12.5					dB/100ft
	41.01					dB/100m

Mechanical Specifications

Min. Bend Radius (Repeated) 1.5 in [38.1 mm]

Construction Specifications

Description	Material and Plating	Diameter
Inner Conductor	Copper, 1 Strand	0.021 in [0.53 mm]
Conductor Type	Solid	
Dielectric	PE PE	0.063 in [1.6 mm]
Outer Conductor	Copper 100% coverage	0 in [0 mm]
Jacket	PVC, Black	[]

Environmental Specifications

Temperature

Operating Range

-40 to 105 deg C

Storage Range

-40 to 105 deg C

Environmental Specification Notes:

All tests performed in accordance with MIL-DTL-17 (current issue)

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [RG174 Non-Magnetic Flexible Coaxial Cable, Single Shielded with Black PVC Jacket RG174NM](#)



RG174 Non-Magnetic Flexible Coaxial Cable, Single Shielded with Black PVC Jacket

RF Cables Technical Data Sheet

RG174NM

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

Plotted and Other Data

Notes:

RG174 Non-Magnetic Flexible Coaxial Cable, Single 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 99.4% 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: [RG174 Non-Magnetic Flexible Coaxial Cable, Single Shielded with Black PVC Jacket RG174NM](#)

URL: <https://www.pasternack.com/non-magnetic-flexible-pvc-jacket-single-shielded-rg174nm-p.aspx>

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RG174NM CAD Drawing

RG174 Non-Magnetic Flexible Coaxial Cable, Single Shielded with Black PVC Jacket

