



N Female Bulkhead Connector Crimp/Solder Attachment
For PE-C240, LMR-240, RG8X, .640 inch DD Hole

TECHNICAL DATA SHEET

PE44529

N Female Bulkhead Connector Crimp/Solder Attachment For PE-C240, LMR-240, RG8X, .640 inch DD Hole

Configuration

Connector	N Female
Connector Specification	MIL-STD-348A
Connector Interface Type	PE-C240, LMR-240, RG8X
Cable Attachment Method (Shield/Contact)	Crimp/Solder
Body Style	Straight
Mount Method	Bulkhead

Electrical Specifications

Frequency Range, GHz	DC to 11
Impedance, Ohms	50
Maximum Operating Voltage, Volts	1,500

Frequency 1

Frequency, GHz	DC to 6
VSWR	1.3:1

Mechanical Specifications

Temperature

Operating Range, deg C	-65 to +165
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Size

Length, in [mm]	1.6 [40.64]
Width/Dia., in [mm]	0.87 [22.10]
Weight, lbs [g]	0.11 [49.9]

Connector

Type	N Female
Contact Material and Plating	Brass, Gold
Body Material and Plating	Brass, Tri-Metal
Dielectric Type	Teflon

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

RoHS Compliant	Yes
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Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Female Bulkhead Connector Crimp/Solder Attachment For PE-C240, LMR-240, RG8X, .640 inch DD Hole PE44529](#)

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Plotted and Other Data

Notes:

Values at 25 °C, sea level

N Female Bulkhead Connector Crimp/Solder Attachment For PE-C240, LMR-240, RG8X, .640 inch DD Hole from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and fiber optic products maintain a 99% availability and are part of the broadest selection in the industry.

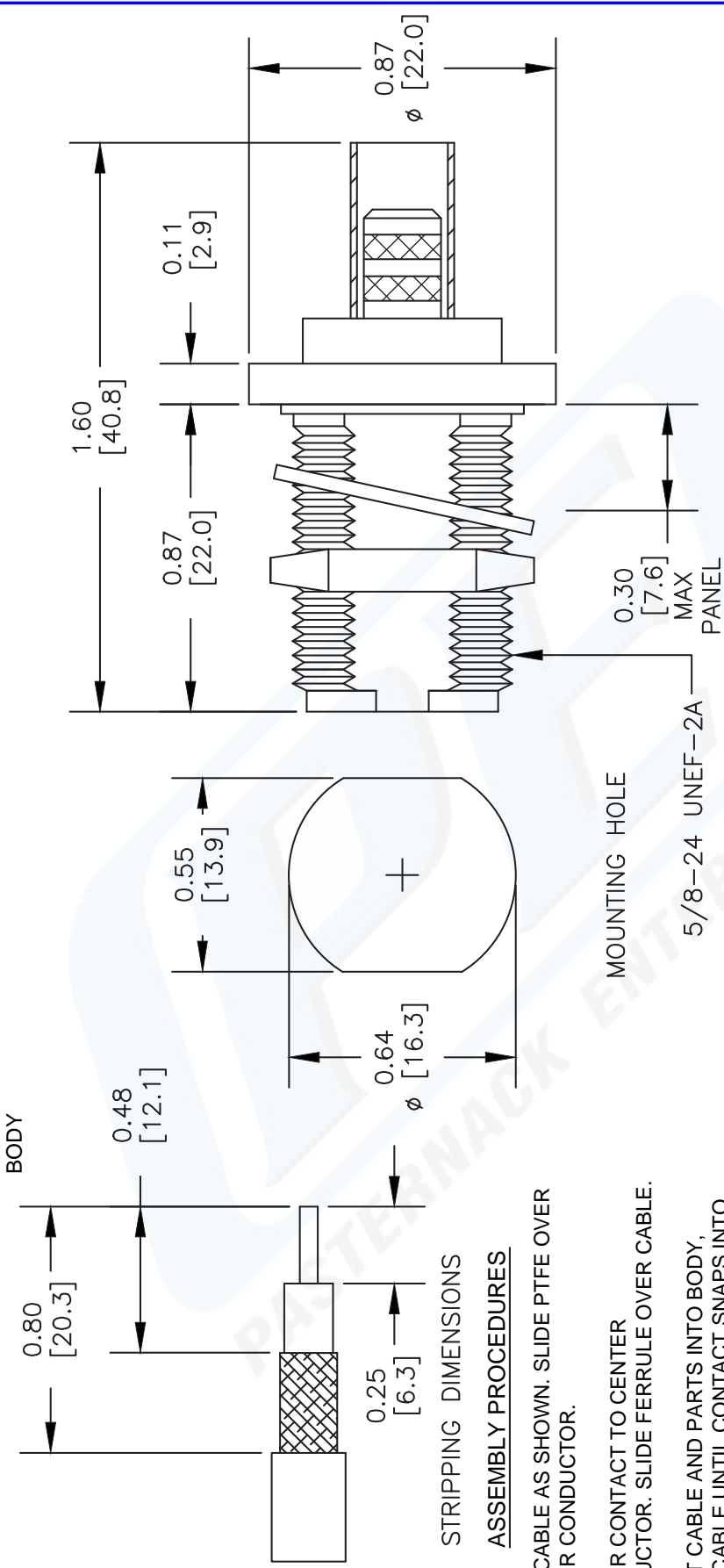
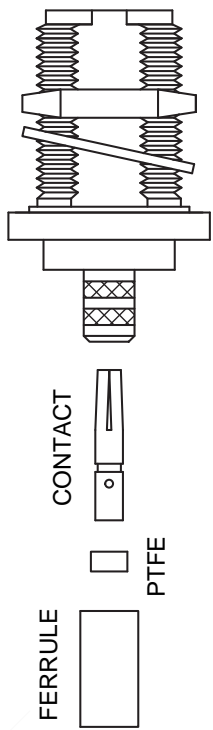
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PE44529 CAD Drawing

N Female Bulkhead Connector Crimp/Solder Attachment For
PE-C240, LMR-240, RG8X, .640 inch DD Hole



1. STRIP CABLE AS SHOWN. SLIDE PTFE OVER CENTER CONDUCTOR.
2. SOLDER CONTACT TO CENTER CONDUCTOR. SLIDE FERRULE OVER CABLE.
3. INSERT CABLE AND PARTS INTO BODY, PUSH CABLE UNTIL CONTACT SNAPS INTO PLACE.
4. SLIDE FERRULE OVER BRAID AND UP AGAINST BODY. CRIMP FERRULE.

CRIMP SIZES REQUIRED
CONTACT: .100" HEX CRIMP TOOL
FERRULE: .255" HEX CRIMP TOOL

PE PASTERNAK®
Pasternack Enterprises, Inc.
P.O. Box 16759 | Irvine | CA | 92623
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Website: www.pasternack.com | E-Mail: sales@pasternack.com

DWG TITLE
PE44529

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. 53919

CAD FILE 032213-B
SCALE N/A
SIZE A
2233



7/16 DIN Male Right Angle Connector Crimp/Solder Attachment for PE-C240, RG8X, 0.240 inch, LMR-240, LMR-240-DB, LMR-240-UF, B7808A

RF Connectors Technical Data Sheet

PE44541

Configuration

- 7/16 DIN Male Connector
- 50 Ohms
- Right Angle Body Geometry
- PE-C240, RG8X, 0.240 inch, LMR-240, LMR-240-DB, LMR-240-UF, B7808A Interface Type
- Crimp/Solder Attachment
- 1 1/4 inch Hex

Features

- Max. Operating Frequency 7.5 GHz
- Silver Plated Beryllium Copper Contact

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE44541 7/16 DIN male right angle connector with crimp/solder attachment for PE-C240, RG8X, 0.240 inch, LMR-240, LMR-240-DB, LMR-240-UF and B7808A is part of our full line of RF components available for same-day shipping. Our 7/16 DIN male connector operates up to a maximum frequency of 7.5 GHz. Its right angle body geometry allows for easier connections in tight spaces.

Our 7/16 DIN male right angle connector PE44541 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		7.5	GHz

Mechanical Specifications

Size	
Length	1.31 in [33.27 mm]
Width/Dia.	1.25 in [31.75 mm]
Height	1.527 in [38.79 mm]
Weight	0.11 lbs [49.9 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [7/16 DIN Male Right Angle Connector Crimp/Solder Attachment for PE-C240, RG8X, 0.240 inch, LMR-240, LMR-240-DB, LMR-240-UF, B7808A PE44541](#)



7/16 DIN Male Right Angle Connector Crimp/Solder
Attachment for PE-C240, RG8X, 0.240 inch, LMR-
240, LMR-240-DB, LMR-240-UF, B7808A

RF Connectors Technical Data Sheet

PE44541

Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Silver
Insulation	PTFE	
Body	Brass	Tri-Metal
Coupling Nut	Brass	Tri-Metal

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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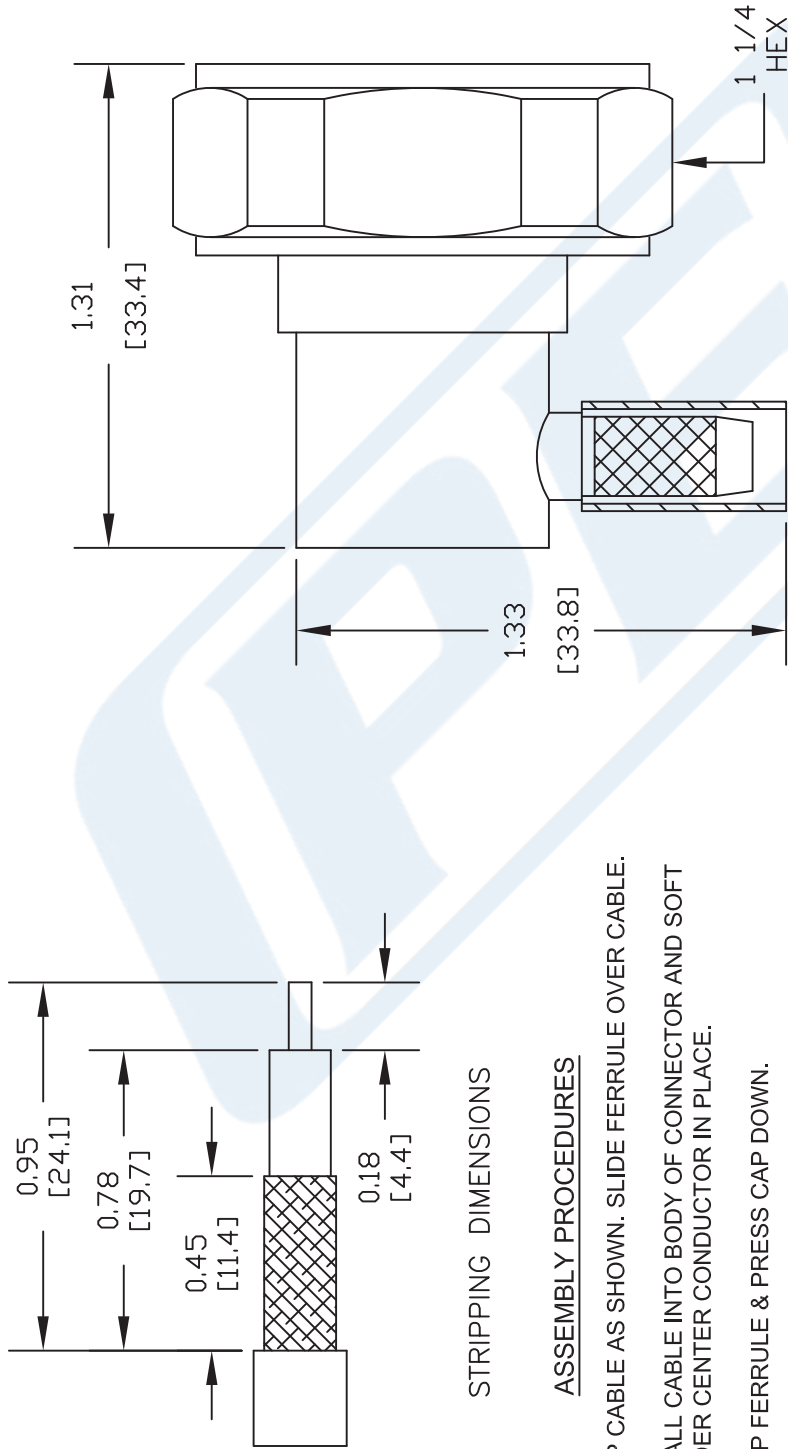
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URL: <https://www.pasternack.com/7-16-male-standard-pe-c240-0.240-connector-pe44541-p.aspx>

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PE44541 CAD Drawing

7/16 DIN Male Right Angle Connector Crimp/Solder Attachment for PE-C240, RG8X, 0.240 inch, LMR-240, LMR-240-DB, LMR-240-UF, B7808A



STRIPPING DIMENSIONS

ASSEMBLY PROCEDURES

- 1. STRIP CABLE AS SHOWN. SLIDE FERRULE OVER CABLE.
- 2. INSTALL CABLE INTO BODY OF CONNECTOR AND SOFT SOLDER CENTER CONDUCTOR IN PLACE.
- 3. CRIMP FERRULE & PRESS CAP DOWN.

CRIMP SIZE REQUIRED

FERRULE: .255" HEX CRIMP TOOL



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DWG TITLE

PE44541

FSCM NO. 53919

CAD FILE 081811

SCALE N/A

SIZE A

2233

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4. FITS MIL-C-17 AND EQUIVALENT CABLES.

Flexible RG8X Coax Cable Single Shielded with Black PVC (NC) Jacket

TECHNICAL DATA SHEET

RG8X

Flexible RG8X Coax Cable Single Shielded with Black PVC (NC) Jacket

Configuration

Inner Conductor Material and Plating	Copper
Dielectric Type	PE (F)
Shield Materials	Copper Braid
Jacket Material and Color	PVC (NC), Black

Electrical Specifications

Impedance, Ohms	50
Maximum Operating Frequency, MHz	1000
Capacitance, pF/ft [pF/m]	26 [85.3]
Maximum Operating Voltage, Volts	2,500

Electrical Specifications by Frequency

Frequency 1

Frequency, MHz	10
Attenuation, dB/100ft [dB/100m]	1 [3.28]
Power Handling, KWatts	1

Frequency 2

Frequency, MHz	400
Attenuation, dB/100ft [dB/100m]	8 [26.25]
Power Handling, Watts	110

Frequency 3

Frequency, MHz	700
Attenuation, dB/100ft [dB/100m]	11.1 [36.42]
Power Handling, Watts	75

Frequency 4

Frequency, MHz	1000
Attenuation, dB/100ft [dB/100m]	13.5 [44.29]
Power Handling, Watts	60

Mechanical Specifications

Temperature

Operating Range, deg C	-40 to +80
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Inner Conductor

Number of Strands	19
Material	Copper
Diameter, in [mm]	0.056 [1.42]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Flexible RG8X Coax Cable Single Shielded with Black PVC \(NC\) Jacket RG8X](#)

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Flexible RG8X Coax Cable Single Shielded with Black PVC (NC) Jacket

TECHNICAL DATA SHEET

RG8X**Dielectric:**

Type	PE (F)
Diameter, in [mm]	0.155 [3.94]

Shield:

Number of	1
Material 1	Copper Braid

Jacket:

Material	PVC (NC)
Diameter, in [mm]	0.242 [6.15]
Color	Black
Weight, lbs/ft [Kg/m]	0.041 [0.06]

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

Plotted and Other Data

Notes: Values at 25 °C, sea level

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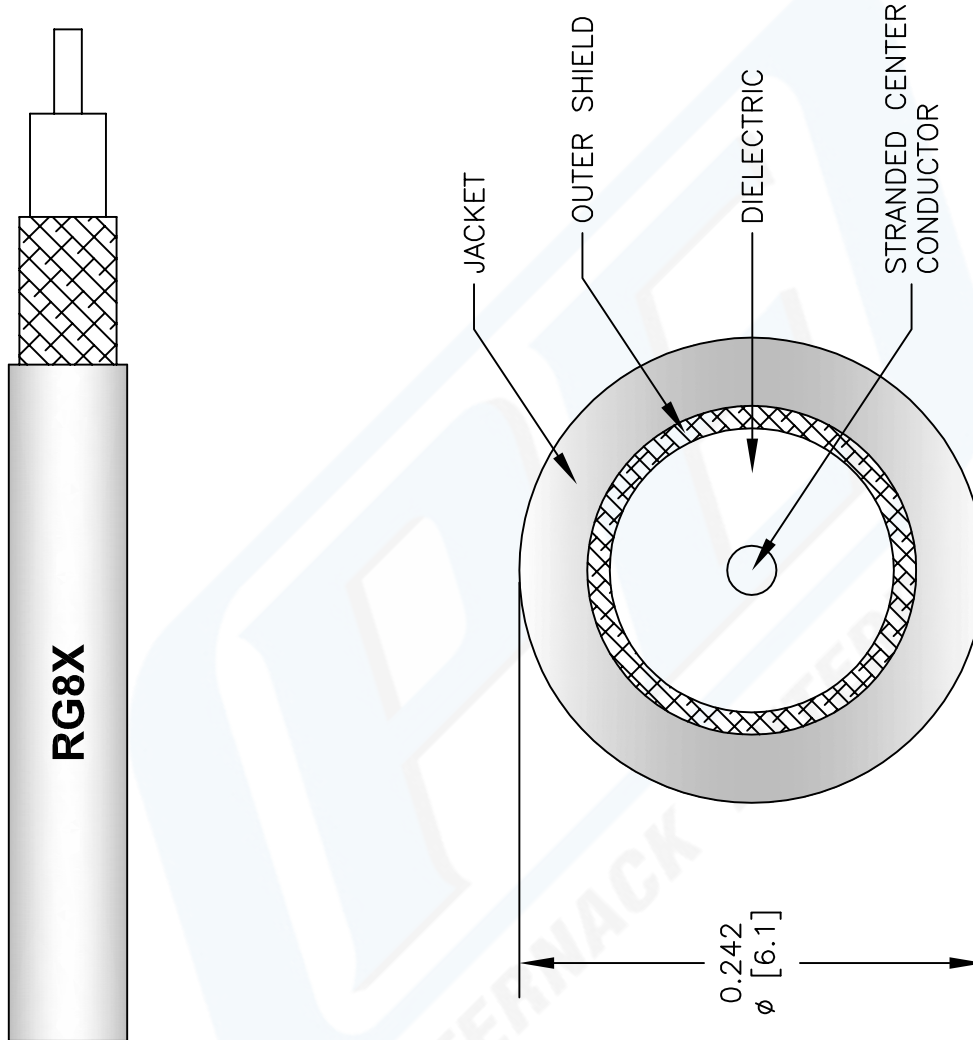
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URL: <http://www.pasternack.com/flexible-0.242-rg8x-50-ohm-coax-cable-pvc-jacket-rg8x-p.aspx>

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RG8X CAD Drawing

Flexible RG8X Coax Cable Single Shielded with Black PVC (NC) Jacket



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DWG TITLE

RG8X

REV. A

FSCM NO. 53919

CAD FILE 040113-A

SCALE N/A

SIZE A

147

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