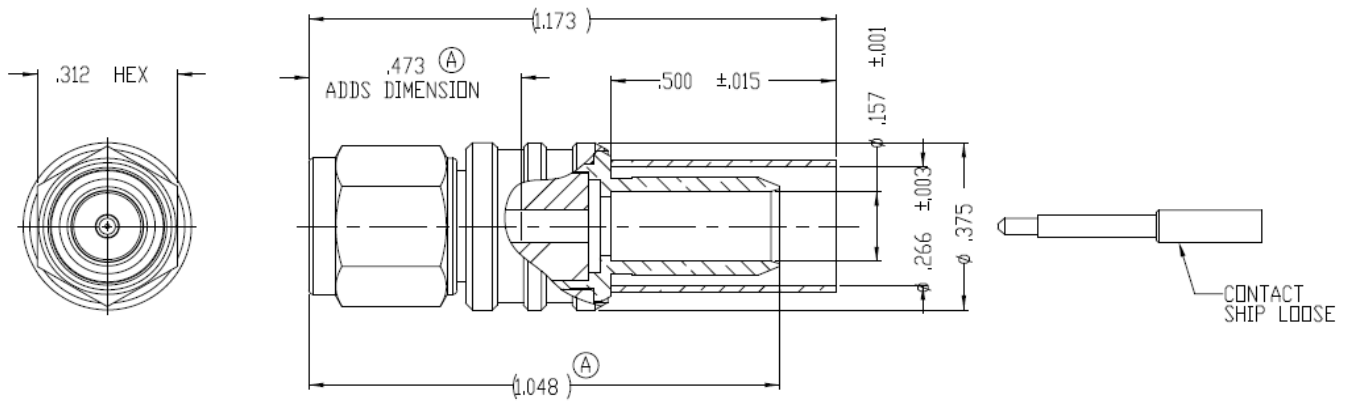


NOTICE OF PROPRIETARY RIGHTS THIS DOCUMENT CONTAINS CONFIDENTIAL TECHNICAL DATA, INCLUDING TRADE SECRETS, PROPRIETARY TO TIMES MICROWAVE SYSTEMS. DISCLOSURE OF THIS DATA IS EXPRESSLY CONDITIONED UPON YOUR ASSENT THAT ITS USE IS LIMITED TO USE WITHIN YOUR COMPANY ONLY. ANY OTHER USE IS STRICTLY PROHIBITED WITHOUT THE PRIOR WRITTEN CONSENT OF TIMES MICROWAVE SYSTEMS.

SYM	REVISION DESCRIPTION	DFTM	DATE	APPD	DATE
A	RELEASED FOR PRODUCTION	N.N.N	9/4/13	J.D.B.	9/10/13



NOTES:

1. ASSEMBLED CONNECTOR INTERFACE IS DESIGNED IN ACCORDANCE WITH MIL-STD-348

2. MATERIAL:

CLAMP & CONTACT - BRASS PER ASTM B16, C36000 ALLOY, TEMPER H02
 BODY, CNUT - STAINLESS STEEL PER ASTM 582, S30300 ALLOY, COND. A
 INSULATOR - TEFLON PER ASTM D1710, TYPE 1, GRADE 1, CLASS A
 GASKET - SILICONE RUBBER PER A-A-59588, 50-75 DUROMETER
 SHRINK SLEEVE - HEAT SHRINKABLE ATUM PER MIL-I-23053/4 (NOT SHOWN)
 CRIMP SLEEVE - D.H.P. COPPER CDA, ALLOY #122, TEMPER HARD
 CONTACT & LOCKING RING - BERYLLIUM COPPER PER ASTM B196, C17300 ALLOY, CONDITION HT

3. FINISH:

CONTACT - GOLD PLATE PER ASTM B488
 CRIMP SLEEVE - SULFAMATE NICKEL PER MIL-P-27418
 CLAMP - NICKEL PLATE PER AMS-QQ-N-290
 C'NUT & BODY - PASSIVATE PER SAE-AMS-2700

MATL:		UNLESS OTHERWISE SPECIFIED		DFTM. N. N. N		TIMES MICROWAVE SYSTEMS			
		ALL DIMENSIONS ARE IN INCHES MACHINED SURFACES FINISH 63 RMS MAX. REMOVE ALL BURRS .004 MAX. BREAK MACHINE CORNERS .005 MAX. FILLET R. TOLERANCES ON DECIMALS .XX ± .01 .XXX ± .005 ANGLES ± 1° FRACTIONS ± 1/64		DATE 9/4/13					
USED ON: A				CHKD. J. D. B.		TC-240-SM-SS-X CONNECTOR ASSEMBLY SMAM for LMR-240			
				DATE 9/10/13					
				APPD. J. D. B.					
SCALE: NONE	DWG. SIZE A	DO NOT SCALE DRAWING	CODE IDENT 68999	DATE 9/10/13	SHEET 1 of 1	SD3190-2898	REV A		



N Female 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

PE44533

Configuration

- N Female Connector
- 50 Ohms
- Straight Body Geometry
- PE-C240, RG8X, 0.240 inch, LMR-240, LMR-240-DB, LMR-240-UF, B7808A Interface Type
- Crimp/Solder Attachment

Features

- Max. Operating Frequency 11 GHz
- Gold Plated Beryllium Copper Contact

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE44533 type N female 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 type N female connector operates up to a maximum frequency of 11 GHz.

Our type N female connector PE44533 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		11	GHz
Operating Voltage (AC)			830	Vrms
Dielectric Withstanding Voltage (AC)			2,500	Vrms

Mechanical Specifications

Size

Length	1.45 in [36.83 mm]
Width/Dia.	0.67 in [17.02 mm]
Weight	0.07 lbs [31.75 g]
Mating Cycles	500 Cycles

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Female Connector Crimp/Solder Attachment for PE-C240, RG8X, 0.240 inch, LMR-240, LMR-240-DB, LMR-240-UF, B7808A PE44533](#)



N Female 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

PE44533

Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold
Insulation	PTFE	
Body	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:

N Female Connector Crimp/Solder Attachment for PE-C240, RG8X, 0.240 inch, LMR-240, LMR-240-DB, LMR-240-UF, B7808A 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.

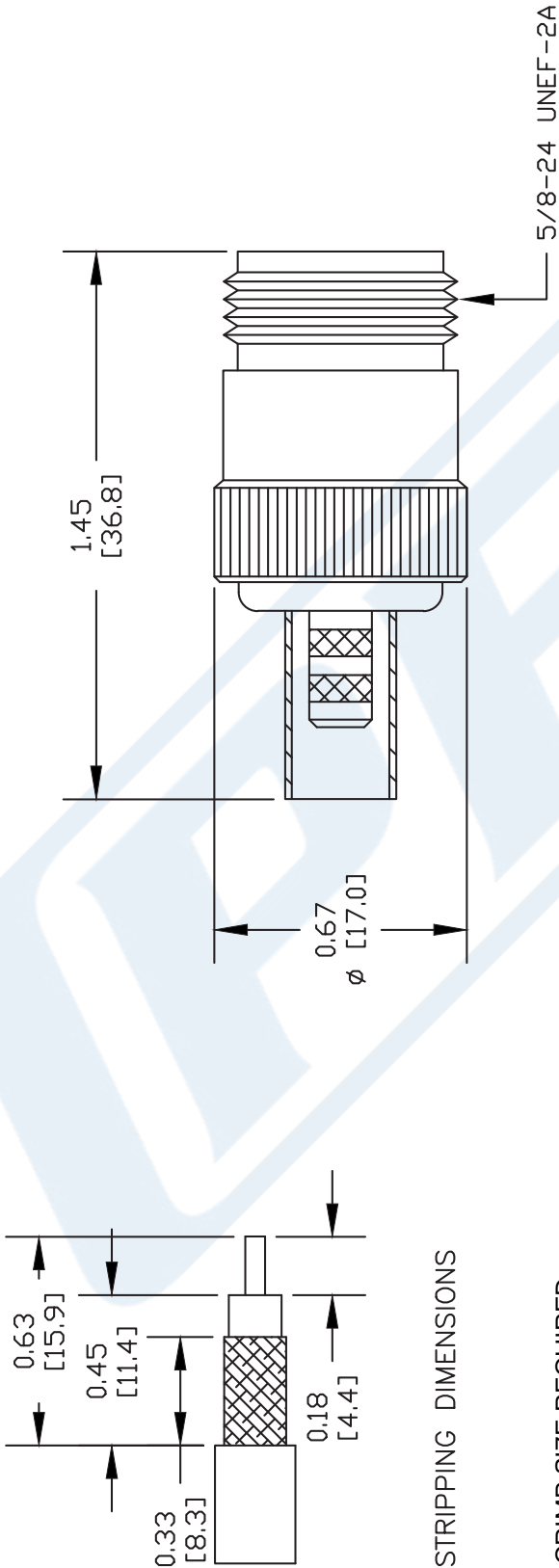
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Female Connector Crimp/Solder Attachment for PE-C240, RG8X, 0.240 inch, LMR-240, LMR-240-DB, LMR-240-UF, B7808A PE44533](#)

URL: <https://www.pasternack.com/n-female-standard-pe-c240-0.240-connector-pe44533-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.

PE44533 CAD Drawing

N Female Connector Crimp/Solder Attachment for PE-C240, RG8X,
0.240 inch, LMR-240, LMR-240-DB, LMR-240-UF, B7808A



CONTACT: SOLDER
FERRULE: .255" HEX CRIMP TOOL

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
PE44533

REV. B	FSCM NO. 53919	CAD FILE 081811	SCALE N/A	SIZE A	2231
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Low Loss Flexible RG8X Type Coax Cable Double Shielded with Black PE Jacket

TECHNICAL DATA SHEET

PE-C240

Low Loss Flexible RG8X Type Coax Cable Double Shielded with Black PE Jacket

Configuration

Cable Design	Low Loss
Inner Conductor Material and Plating	Copper
Dielectric Type	PE (F)
Shield Materials	Aluminum Tape, Tinned Copper Braid
Jacket Material and Color	PE, Black

Electrical Specifications

Impedance, Ohms	50
Velocity of Propagation, %	84
Maximum Operating Frequency, GHz	5.8
RF Shielding, dB	90
Capacitance, pF/ft [pF/m]	24.2 [79.4]

Electrical Specifications by Frequency

Frequency 1

Frequency, MHz	150
Attenuation, dB/100ft [dB/100m]	3.4 [11.15]
Power Handling, Watts	660

Frequency 2

Frequency, MHz	450
Attenuation, dB/100ft [dB/100m]	5.95 [19.52]
Power Handling, Watts	380

Frequency 3

Frequency, MHz	900
Attenuation, dB/100ft [dB/100m]	8.58 [28.15]
Power Handling, Watts	260

Frequency 4

Frequency, GHz	1.5
Attenuation, dB/100ft [dB/100m]	11.18 [36.68]
Power Handling, Watts	200

Frequency 5

Frequency, GHz	2
Attenuation, dB/100ft [dB/100m]	13 [42.65]
Power Handling, Watts	170

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Low Loss Flexible RG8X Type Coax Cable Double Shielded with Black PE Jacket PE-C240](#)

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Low Loss Flexible RG8X Type Coax Cable
Double Shielded with Black PE Jacket

TECHNICAL DATA SHEET

PE-C240

Frequency 6

Frequency, GHz	2.5
Attenuation, dB/100ft [dB/100m]	14.55 [47.74]
Power Handling, Watts	150

Frequency 7

Frequency, GHz	5.8
Attenuation, dB/100ft [dB/100m]	23 [75.46]
Power Handling, Watts	100

Mechanical Specifications

Temperature

Operating Range, deg C	-40 to +85
Storage Range, deg C	-40 to +85

Inner Conductor

Number of Strands	1
Material	Copper
Diameter, in [mm]	0.057 [1.45]

Dielectric:

Type	PE (F)
Diameter, in [mm]	0.15 [3.81]

Shield:

Number of	2
Material 1	Aluminum Tape
Material 2	Tinned Copper Braid
Diameter, in [mm]	0.178 [4.52]

Jacket:

Material	PE
Diameter, in [mm]	0.24 [6.1]
Color	Black
One Time Minimum Bend Radius, in [mm]	0.752 [19.1]
Repeated Minimum Bend Radius, in [mm]	2.5 [63.5]
Weight, lbs/ft [Kg/m]	0.033 [0.05]

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: [Low Loss Flexible RG8X Type Coax Cable Double Shielded with Black PE Jacket PE-C240](#)

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Low Loss Flexible RG8X Type Coax Cable
Double Shielded with Black PE Jacket

TECHNICAL DATA SHEET

PE-C240

Plotted and Other Data

Notes:

Values at 25 °C, sea level

Low Loss Flexible RG8X Type Coax Cable Double Shielded with Black PE Jacket 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.

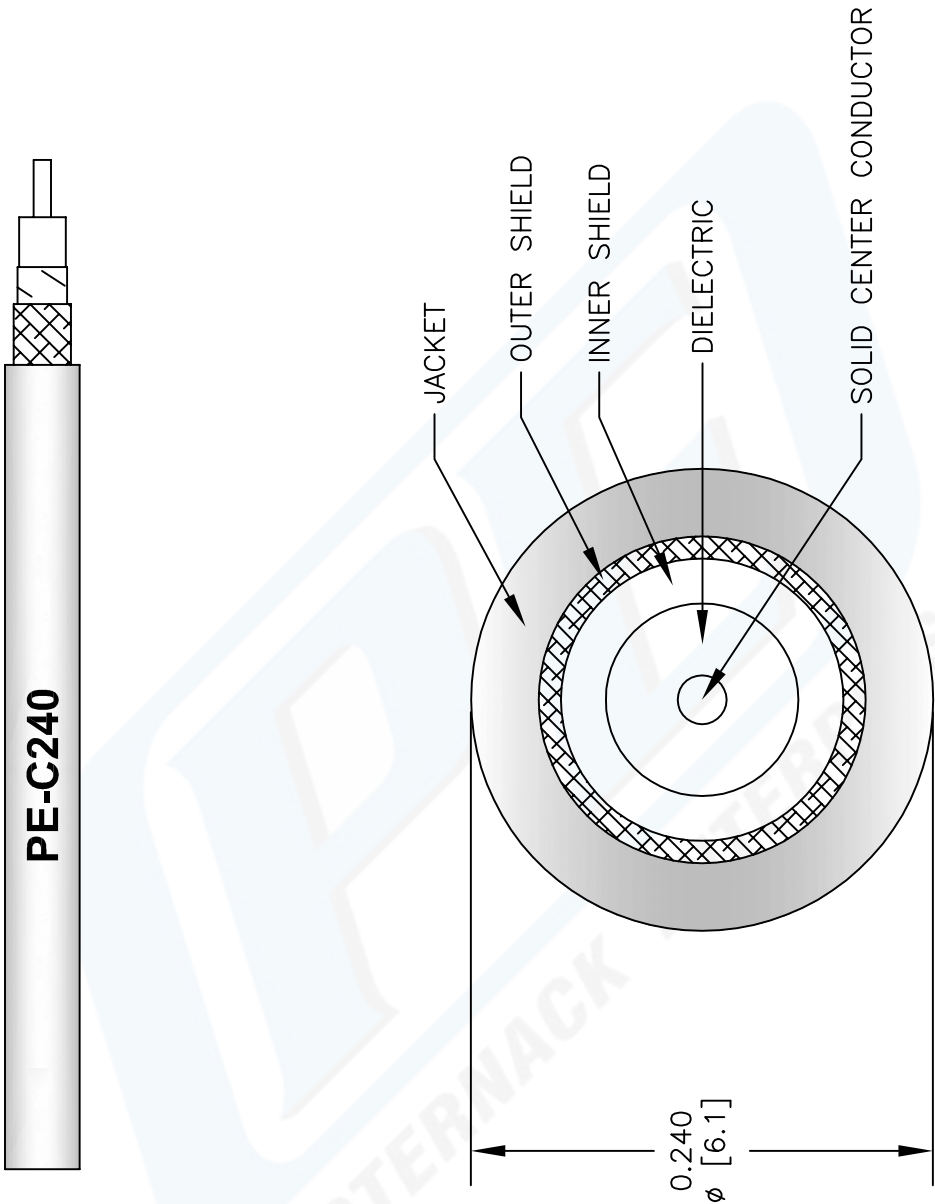
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Low Loss Flexible RG8X Type Coax Cable Double Shielded with Black PE Jacket PE-C240](#)

URL: <http://www.pasternack.com/flexible-0.240-50-ohm-coax-cable-pe-jacket-pe-c240-p.aspx>

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PE-C240 CAD Drawing

Low Loss Flexible RG8X Type Coax Cable Double Shielded with Black PE Jacket



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3. DIMENSIONS ARE IN INCHES [mm].

DWG TITLE
PE-C240

REV. B	FSCM NO. 53919
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CAD FILE	050709	SCALE	N/A	SIZE	A	147
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