



BNC Male 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

**PE44640**

### Configuration

- BNC Male 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 4 GHz
- Gold Plated Brass Contact

### Applications

- General Purpose Test
- Custom Cable Assemblies

### Description

Pasternack's PE44640 BNC male 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 BNC male connector operates up to a maximum frequency of 4 GHz.

Our BNC male connector PE44640 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      |         | 4       | GHz   |

### Mechanical Specifications

|             |                     |
|-------------|---------------------|
| <b>Size</b> |                     |
| Length      | 1.17 in [29.72 mm]  |
| Width/Dia.  | 0.57 in [14.48 mm]  |
| Weight      | 0.025 lbs [11.34 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/Solder Attachment for PE-C240, RG8X, 0.240 inch, LMR-240, LMR-240-DB, LMR-240-UF, B7808A PE44640](#)



BNC Male Connector Crimp/Solder Attachment for PE-C240,  
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## RF Connectors Technical Data Sheet

**PE44640**

### Material Specifications

| Description | Material | Plating |
|-------------|----------|---------|
| Contact     | Brass    | Gold    |
| Insulation  | POM      |         |
| Body        | Brass    | Nickel  |

### Environmental Specifications

#### Temperature

Operating Range

-40 to +85 deg C

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

### Plotted and Other Data

Notes:

BNC Male 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.

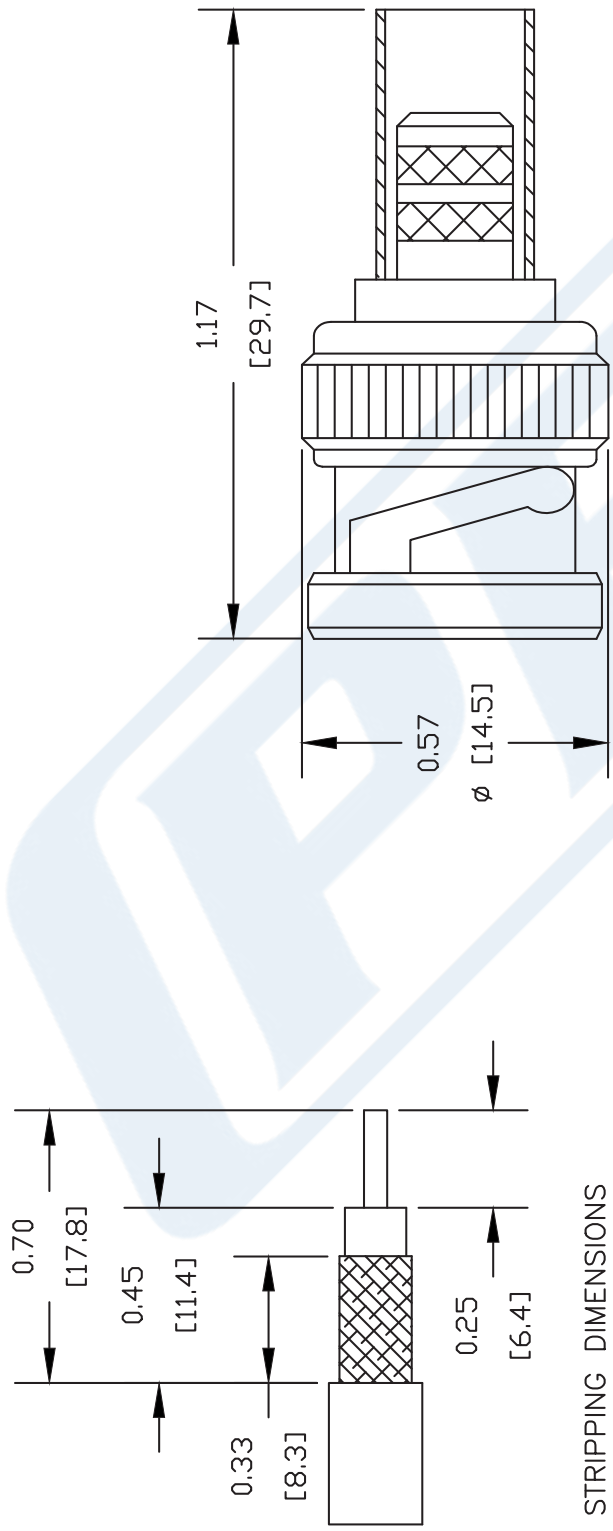
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [BNC Male Connector Crimp/Solder Attachment for PE-C240, RG8X, 0.240 inch, LMR-240, LMR-240-DB, LMR-240-UF, B7808A PE44640](#)

URL: <https://www.pasternack.com/bnc-male-standard-rg8x-pe-c240-b7808a-0.240-connector-pe44640-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.

PE44640 CAD Drawing

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



STRIPPING DIMENSIONS

CRIMP SIZE REQUIRED

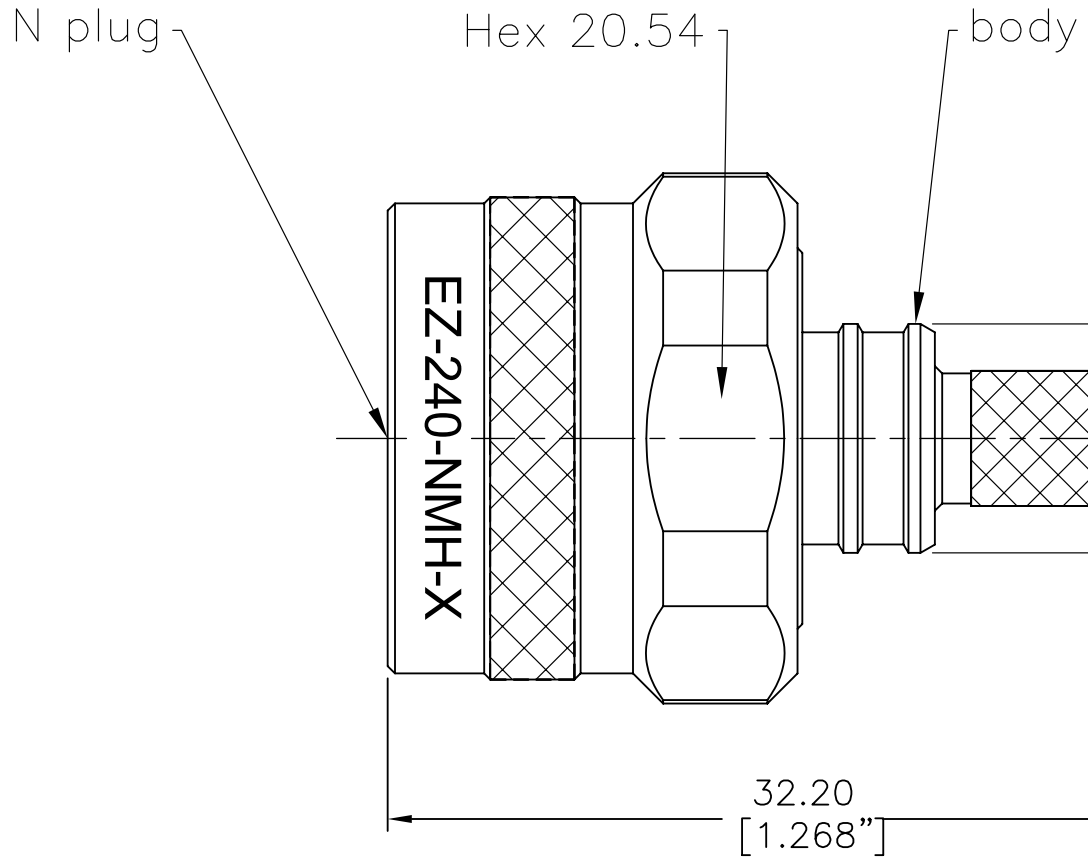
CONTACT: .068" HEX CRIMP TOOL  
FERRULE: .255" HEX CRIMP TOOL

**PASTERNAK®**  
Pasternack Enterprises, Inc.  
P.O. Box 16759 | Irvine | CA | 92623  
Phone: (949) 261-1920 | Fax: (949) 261-7451  
Website: [www.pasternack.com](http://www.pasternack.com) | E-Mail: [sales@pasternack.com](mailto:sales@pasternack.com)

DWG TITLE  
**PE44640**

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.

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



### I. MATERIALS & FINISHES

| Components   | Materials | Finishes | Thk. (μ") |
|--------------|-----------|----------|-----------|
| Body         | Brass     | Albaloy  | 80        |
| Center Cont. | QBe2      | Gold     | 50        |
| Ferrule      | Brass     | Albaloy  | 80        |
| Nut          | Brass     | Albaloy  | 80        |
| Insulator    | PTFE      | --       | --        |
| Gasket       | Silicone  | --       | --        |

### III. ENVIRONMENT PROPERTIES

|                    |                                |
|--------------------|--------------------------------|
| Temperature Range: | -40°C~+125°C                   |
| Thermal Shock:     | MIL-STD 202G, Meth.107, Cond.B |
| Vibration:         | MIL-STD 202G, Meth.204, Cond.B |
| Shock:             | MIL-STD 202G, Meth.213, Cond I |
| Climatic Class:    | IEC 60068 55/155/56            |
| (2002/95/EC)RoHS:  | Compliant                      |

### V. TOOLING

|                 |                         |
|-----------------|-------------------------|
| Stripping Tool: | 3192-152/CST-240A       |
| Crimping Tool:  | 3190-667/CT-240/200/100 |

### II. ELECTRICAL PROPERTIES

|                             |             |
|-----------------------------|-------------|
| Impedance (Ω):              | 50          |
| Frequency Range (GHz):      | DC to 6 GHz |
| Working Voltage (V):        | 2500        |
| Insulation Resistance (MΩ): | ≥10000      |
| VSWR:                       | ≤1.30       |
| Insertion Loss(dB, f/GHz):  | -0.1x √f    |

### IV. MECHANICAL PROPERTIES

|                                    |                |
|------------------------------------|----------------|
| Center Cont.:                      | Finger Contact |
| Outer Cont.:                       | Crimp          |
| Coupling Nut Torque (N.m):         | 1.7            |
| Cbl-Connector Retention Force (N): | 250            |
| Durability (cycles):               | 500            |

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

### RF Cables Technical Data Sheet

#### Times Microwave Systems Coax Cable Specification Configuration

- Flexible Cable
- 1 Shield(s)

#### Electrical Specifications

| Description            | Minimum | Typical   | Maximum | Units        |
|------------------------|---------|-----------|---------|--------------|
| Frequency Range        | DC      |           | 1,000   | MHz          |
| Impedance              |         | 50        |         | Ohms         |
| Operating Voltage (AC) |         |           | 2,500   | Vrms         |
| Nominal Capacitance    |         | 26 [85.3] |         | pF/ft [pF/m] |

#### Performance by Frequency Band

| Description           | F1    | F2    | F3    | F4    | F5 | Units    |
|-----------------------|-------|-------|-------|-------|----|----------|
| Frequency             | 10    | 400   | 700   | 1,000 |    | MHz      |
| Attenuation, Typ      | 1     | 8     | 11.1  | 13.5  |    | dB/100ft |
|                       | 3.28  | 26.25 | 36.42 | 44.29 |    | dB/100m  |
| Input Power (CW), Max | 1,000 | 110   | 75    | 60    |    | Watts    |

Electrical Specification Notes:  
All tests performed in accordance with MIL-DTL-17

#### Mechanical Specifications

Diameter 0.242 in [6.15 mm]  
Weight 0.0375 lbs/ft [0.06 Kg/m]

#### Construction Specifications

| Description     | Material and Plating | Diameter         |
|-----------------|----------------------|------------------|
| Inner Conductor | Copper19             | 0.056 in 1.42 mm |
| Conductor Type  | Stranded             |                  |
| Dielectric      | PE (F)               | 0.155 in 3.94 mm |

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](#)

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

### RF Cables Technical Data Sheet

|              |                 |                    |
|--------------|-----------------|--------------------|
| First Shield | Copper Braid    |                    |
| Jacket       | PVC (NC), Black | 0.242 in [6.15 mm] |

#### Environmental Specifications

##### Temperature

Operating Range

-40 to +80 deg C

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

#### Plotted and Other Data

Notes:

Flexible RG8X Coax Cable Single Shielded with Black PVC (NC) 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: [Flexible RG8X Coax Cable Single Shielded with Black PVC \(NC\) Jacket RG8X](#)

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

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