

TNC Male Right Angle Connector Crimp/Solder Attachment For RG8X, PE-C240, 0.240 inch



TECHNICAL DATA SHEET

PE44635

TNC Male Right Angle Connector Crimp/Solder Attachment For RG8X, PE-C240, 0.240 inch

Configuration

| | |
|--|-------------------------|
| Connector | TNC Male |
| Connector Interface Type | RG8X,PE-C240,0.240 inch |
| Cable Attachment Method (Shield/Contact) | Crimp/Solder |
| Body Style | Right Angle |

Electrical Specifications

| | |
|-----------------|----|
| Impedance, Ohms | 50 |
|-----------------|----|

Mechanical Specifications

| Size | |
|---------------------|---------------|
| Length, in [mm] | 1.103 [28.02] |
| Width/Dia., in [mm] | 0.59 [15] |
| Height, in [mm] | 1.06 [26.92] |
| Weight, lbs [g] | 0.042 [19.05] |

Connector

| | |
|-----------------------------------|---------------|
| Type | TNC Male |
| Contact Material and Plating | Brass, Gold |
| Coupling Nut Material and Plating | Brass, Nickel |
| Body Material and Plating | Brass, Nickel |
| Dielectric Type | Teflon |

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

| | |
|----------------|-----|
| RoHS Compliant | Yes |
|----------------|-----|

Plotted and Other Data

| | |
|--------|----------------------------|
| Notes: | Values at 25 °C, sea level |
|--------|----------------------------|

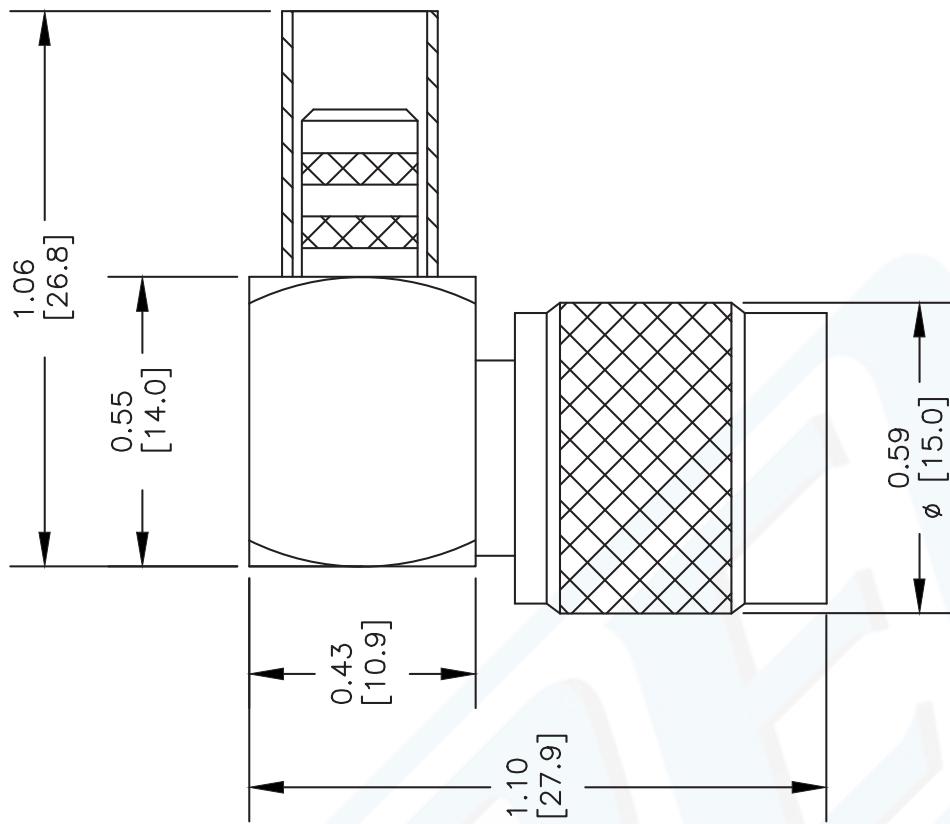
URL: <http://www.pasternack.com/tnc-male-standard-rg8x-pe-c240-0.240-connector-pe44635-p.aspx>

TNC Male Right Angle Connector Crimp/Solder Attachment For RG8X, PE-C240, 0.240 inch from Pasternack Enterprises has same day shipment for domestic and International orders. We maintain 99% availability of the industry's broadest selection of RF, microwave and fiber optic products.

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PE44635 CAD Drawing

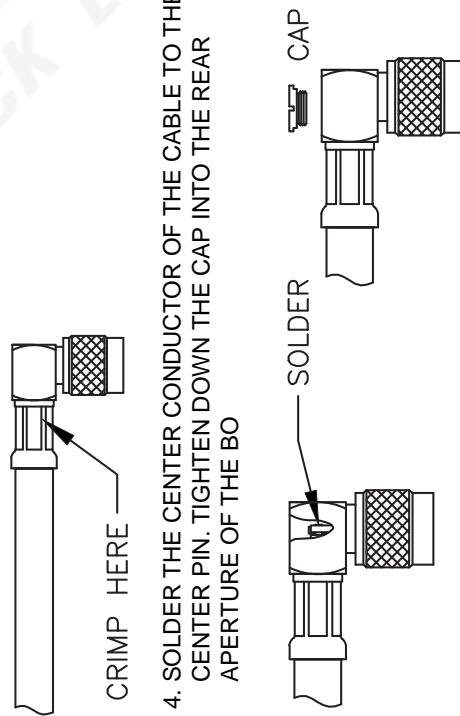
TNC Male Right Angle Connector Crimp/Solder
Attachment For RG8X, PE-C240, 0.240 inch



ASSEMBLY PROCEDURES

1. STRIP CABLE AS SHOWN. SLIDE FERRULE OVER CABLE.
2. FLAIR BRAID AND INSERT THE STRIPPED CABLE INTO BODY AND POSITION THE CENTER CONDUCTOR IN THE SLOT OF THE CENTER PIN.

3. SLIDE FERRULE OVER BRAID UP TO THE CONNECTOR BODY AND CRIMP AS CLOSE TO THE CONNECTOR BODY AS POSSIBLE USING A .255" HEX CRIMP TOOL.
4. SOLDER THE CENTER CONDUCTOR OF THE CABLE TO THE CENTER PIN. TIGHTEN DOWN THE CAP INTO THE REAR APERTURE OF THE BODY.



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Pasternack Enterprises, Inc.
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Phone: (949) 261-1920 | Fax: (949) 261-7451
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DWG TITLE

PE44635

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.

1.06 [26.8]

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0.18 [4.4]

0.43 [10.9]

1.10 [27.9]

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Φ [15.0]

SMA Male Right Angle Connector Crimp/Solder Attachment for PE-C240, RG8X, .240 inch, LMR-240, LMR-240-DB, LMR-240-UF, B7808A



RF Connectors Technical Data Sheet

PE44638

Configuration

- SMA Male Connector
- 50 Ohms
- Right Angle Body Geometry

- Connector Interface Types: PE-C240, RG8X, .240 inch, LMR-240, LMR-240-DB, LMR-240-UF, B7808A
- 5/16 inch Hex

Features

- Max. Operating Frequency 12.4 GHz
- Gold Plated Brass Contact

- 50 μ in minimum contact plating

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE44638 SMA male right angle connector with crimp/solder attachment for PE-C240, RG8X, .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 SMA male connector operates up to a maximum frequency of 12.4 GHz. Its right angle body geometry allows for easier connections in tight spaces.

Our SMA male right angle connector PE44638 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 | | 12.4 | GHz |

Mechanical Specifications

Size

| | |
|---------------|---------------------------------|
| Length | 0.91 in [23.11 mm] |
| Width/Dia. | 0.379 in [9.63 mm] |
| Height | 0.715 in [18.16 mm] |
| Weight | 0.023 lbs [10.43 g] |
| Mating Torque | 3 to 5 in-lbs [0.34 to 0.57 Nm] |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Male Right Angle Connector Crimp/Solder Attachment for PE-C240, RG8X, .240 inch, LMR-240, LMR-240-DB, LMR-240-UF, B7808A PE44638](#)

SMA Male Right Angle Connector Crimp/Solder Attachment for PE-C240, RG8X, .240 inch, LMR-240, LMR-240-DB, LMR-240-UF, B7808A



RF Connectors Technical Data Sheet

PE44638

Material Specifications

| Description | Material | Plating |
|--------------|----------|-----------------------------|
| Contact | Brass | Gold 50 μ in minimum |
| Insulation | PTFE | |
| Body | Brass | Gold 3 μ in minimum |
| Coupling Nut | Brass | Gold 3 μ in minimum |

Environmental Specifications

Temperature

Operating Range

-65 to +165 deg C

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

Plotted and Other Data

Notes:

SMA Male Right Angle Connector Crimp/Solder Attachment for PE-C240, RG8X, .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 99.4% availability and are part of the broadest selection in the industry.

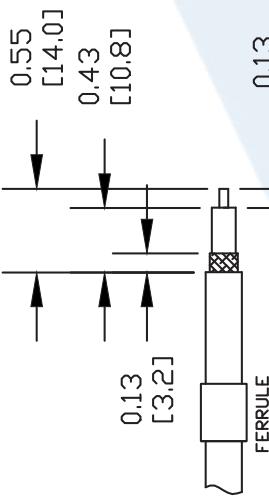
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URL: <https://www.pasternack.com/sma-male-standard-rg8x-pe-c240-0.240-connector-pe44638-p.aspx>

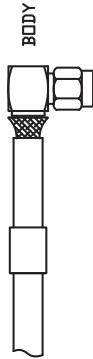
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ASSEMBLY PROCEDURES

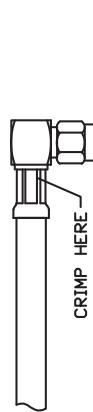
1. STRIP CABLE AS SHOWN. SLIDE FERRULE OVER CABLE.



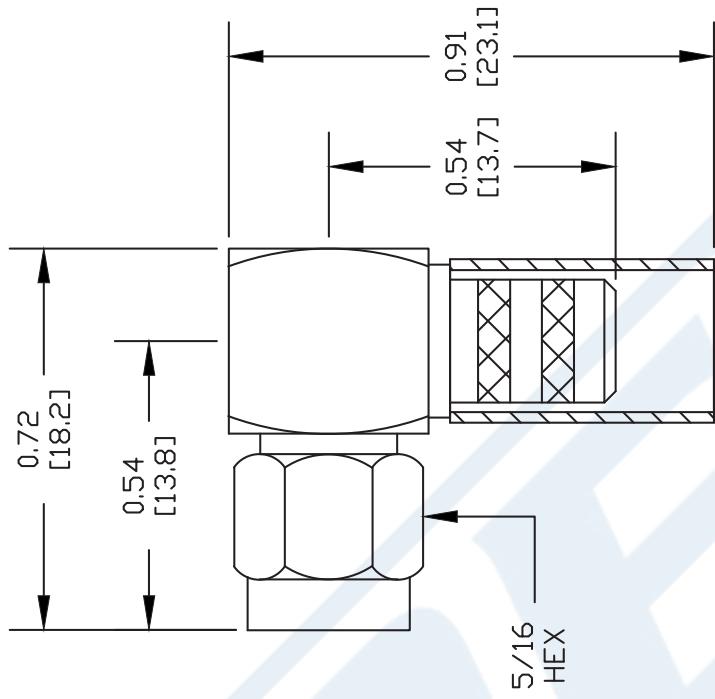
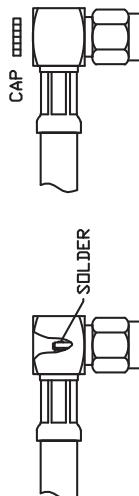
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3. SLIDE FERRULE OVER BRAID UP TO THE CONNECTOR BODY AND CRIMP AS CLOSE TO THE CONNECTOR BODY AS POSSIBLE USING A .255" HEX CRIMP TOOL.



4. SOLDER THE CENTER CONDUCTOR OF THE CABLE TO THE CENTER PIN. PRESS DOWN THE CAP INTO THE REAR ABERTURE OF THE BODY



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. PARTS MIL-C-177 AND EQUIVALENT CARBES

DWG TITLE

PASTERNAK®

Pasternack Enterprises, Inc.

P.O. Box 16759 | Irvine | CA | 92623
Phone: (949) 261-1920 | Fax: (949) 261-7451
Website: www.pastermack.com | E-Mail: sales@pastermack.com

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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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.

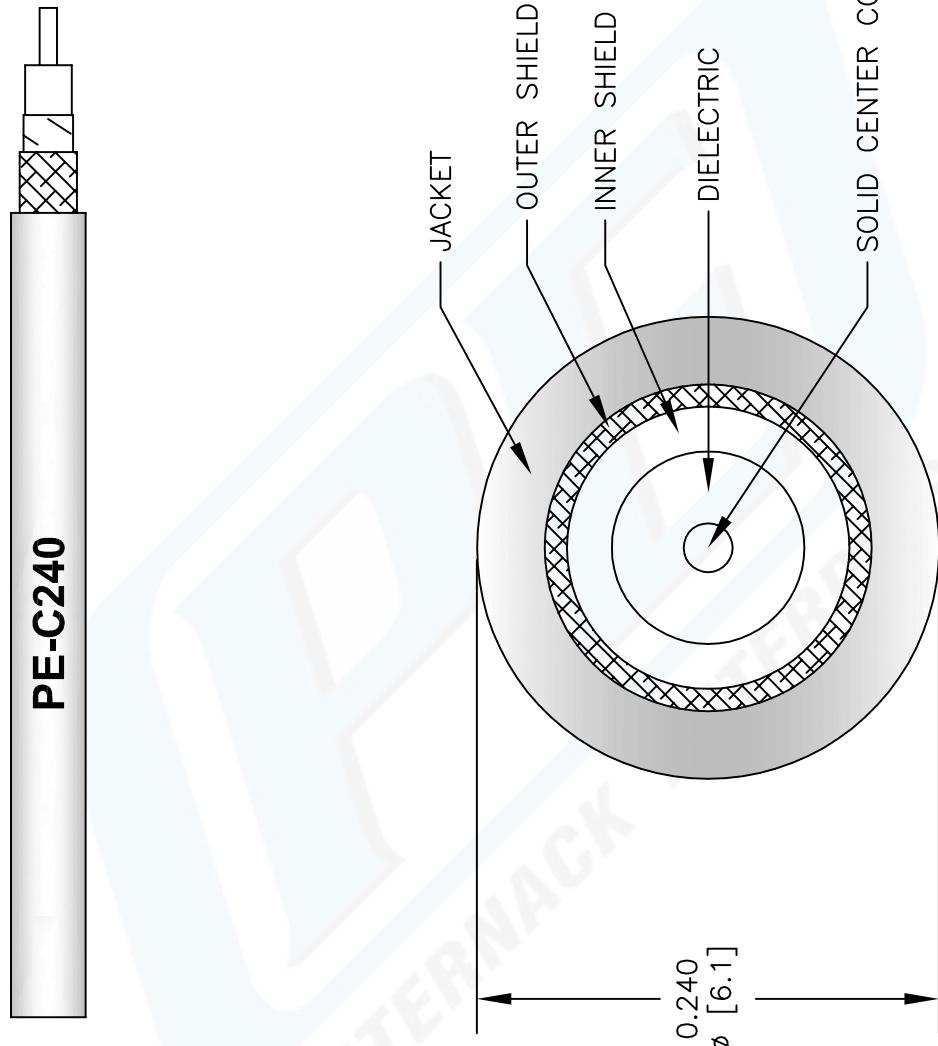
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URL: <http://www.pasternack.com/flexible-0.240-50-ohm-coax-cable-pe-jacket-pe-c240-p.aspx>

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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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2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.
3. DIMENSIONS ARE IN INCHES [mm].

| DWG TITLE | | PE-C240 | | |
|-----------|----------|---------|----------|--------|
| REV. B | FSCM NO. | 53919 | CAD FILE | 050709 |
| | | | SCALE | N/A |

| | |
|--|-----|
| PE PASTERNACK® Pasternack Enterprises, Inc. P.O. Box 16759 Irvine CA 92623 Phone: (949) 261-1920 Fax: (949) 261-7451 Website: www.pasternack.com E-Mail: sales@pasternack.com | 147 |
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