



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

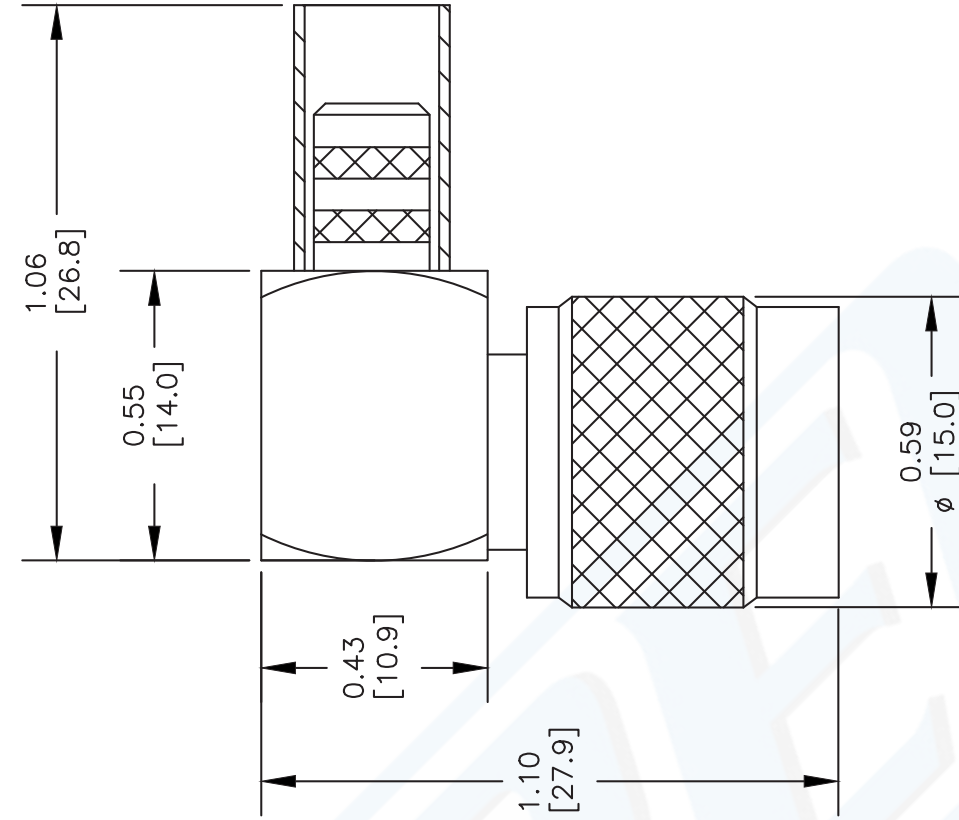
URL: <http://www.pasternack.com/tnc-male-standard-rg8x-pe-c240-0.240-connector-pe44635-p.aspx>

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.

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.

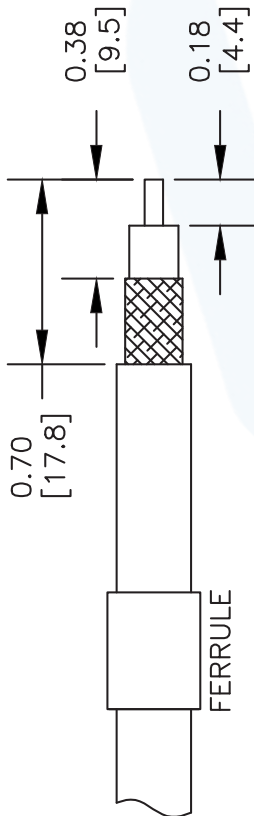
PE44635 CAD Drawing

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.



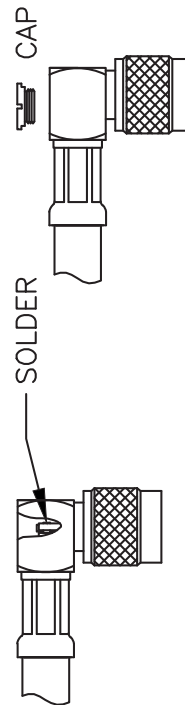
2. FLAIR BRAID AND INSERT THE STRIPPED CABLE INTO BODY AND POSITION THE CENTER CONDUCTOR IN THE SLOT OF THE CENTER PIN.



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 BO



PASTERNAK

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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.

REV. B

FSCM NO. 53919

CAD FILE 012012-B

SCALE N/A

SIZE A

2233



TNC Female Connector Crimp/Non-Solder Contact Attachment for LMR-240, LMR-240-DB, LMR-240-UF, LMR-240-FR, RG8X, PE-C240

RF Connectors Technical Data Sheet

Times Microwave Systems Connector Specification

Configuration

- TNC Female Connector
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: LMR-240, LMR-240-DB, LMR-240-UF, LMR-240-FR, RG8X, PE-C240

Features

- Max. Operating Frequency 6 GHz
- Good VSWR of 1.3:1
- Tri-Metal Plated Brass Contact
- 80 μ m minimum contact plating

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

EZ-240-TF-X QMA female coaxial connector has an interface type of QMA female LMR-240, LMR-240-DB, LMR-240-UF, LMR-240-FR, RG8X, and PE-C240 and a 50 Ohms impedance. Pasternack's QMA female connector uses crimp/non-solder contact as an attachment method. Our female QMA coaxial connector provides a maximum frequency of 6 GHz.

The Pasternack QMA female coaxial connector has a PTFE dielectric type and a VSWR of 1.3:1. Pasternack's QMA coaxial connector has a brass body with tri-metal plating. Our EZ-240-TF-X QMA connector uses a tri-metal plated brass contact. Additional RF connector specs and dimensions for this component can be found on its PDF specification datasheet and CAD drawings above.

The radio frequency connector is made from brass material and has a contact life of 500 cycles or more. Our high-quality EZ-240-TF-X features an 80 μ m minimum body plating specification. The Pasternack EZ-240-TF-X QMA connector operates at a temperature range of -55 to 155 deg C.

This Pasternack female QMA connector will ship the same business day as purchased. Our QMA female connector is part of over 40,000 RF, microwave, and millimeter wave components in stock for local, domestic, and international shipment. For further information on similar products, our expert technical support and trained sales team can get you the ideal RF connector as per your requirements.

Electrical Specifications

| Description | Minimum | Typical | Maximum | Units |
|-----------------------|---------|---------|---------|-------|
| Frequency Range | DC | | 6 | GHz |
| VSWR | | | 1.3:1 | |
| Insertion Loss | | | 0.24 | dB |
| Impedance | | 50 | | Ohms |
| Insulation Resistance | 5,000 | | | MOhms |

Electrical Specification Notes:
Insertion Loss is $0.1 * \text{SQRT}(\text{fGHz})$ dB

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [TNC Female Connector Crimp/Non-Solder Contact Attachment for LMR-240, LMR-240-DB, LMR-240-UF, LMR-240-FR, RG8X, PE-C240 EZ-240-TF-X](#)



TNC Female Connector Crimp/Non-Solder Contact Attachment for LMR-240, LMR-240-DB, LMR-240-UF, LMR-240-FR, RG8X, PE-C240

RF Connectors Technical Data Sheet

Mechanical Specifications

Size

| | |
|-----------------------|--------------------|
| Length | 1.07 in [27.18 mm] |
| Width | 0.44 in [11.13 mm] |
| Height | 0.44 in [11.13 mm] |
| Weight | 0.10 lbs [45.36 g] |
| Mating Cycles | 500 Cycles |
| Cable Retention Force | 200 lbs 90.72 kg |

Material Specifications

| Description | Material | Plating |
|--------------|----------|-----------------------------|
| Contact | Brass | Tri-Metal 80 µin minimum |
| Insulation | PTFE | |
| Body | Brass | Tri-Metal 80 µin minimum |
| Crimp Sleeve | Brass | Tri-Metal 80 µin minimum |

Environmental Specifications

Temperature

| | |
|-----------------|--------------------------------|
| Operating Range | -55 to +155 deg C |
| Shock | MIL-STD 202G, Meth.213, Cond I |
| Vibration | MIL-STD 202G, Meth.204, Cond.B |
| Thermal Shock | MIL-STD 202G, Meth.107, Cond.B |

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

Plotted and Other Data

Notes:

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TNC Female Connector Crimp/Non-Solder Contact Attachment for LMR-240, LMR-240-DB, LMR-240-UF, LMR-240-FR, RG8X, PE-C240

RF Connectors Technical Data Sheet

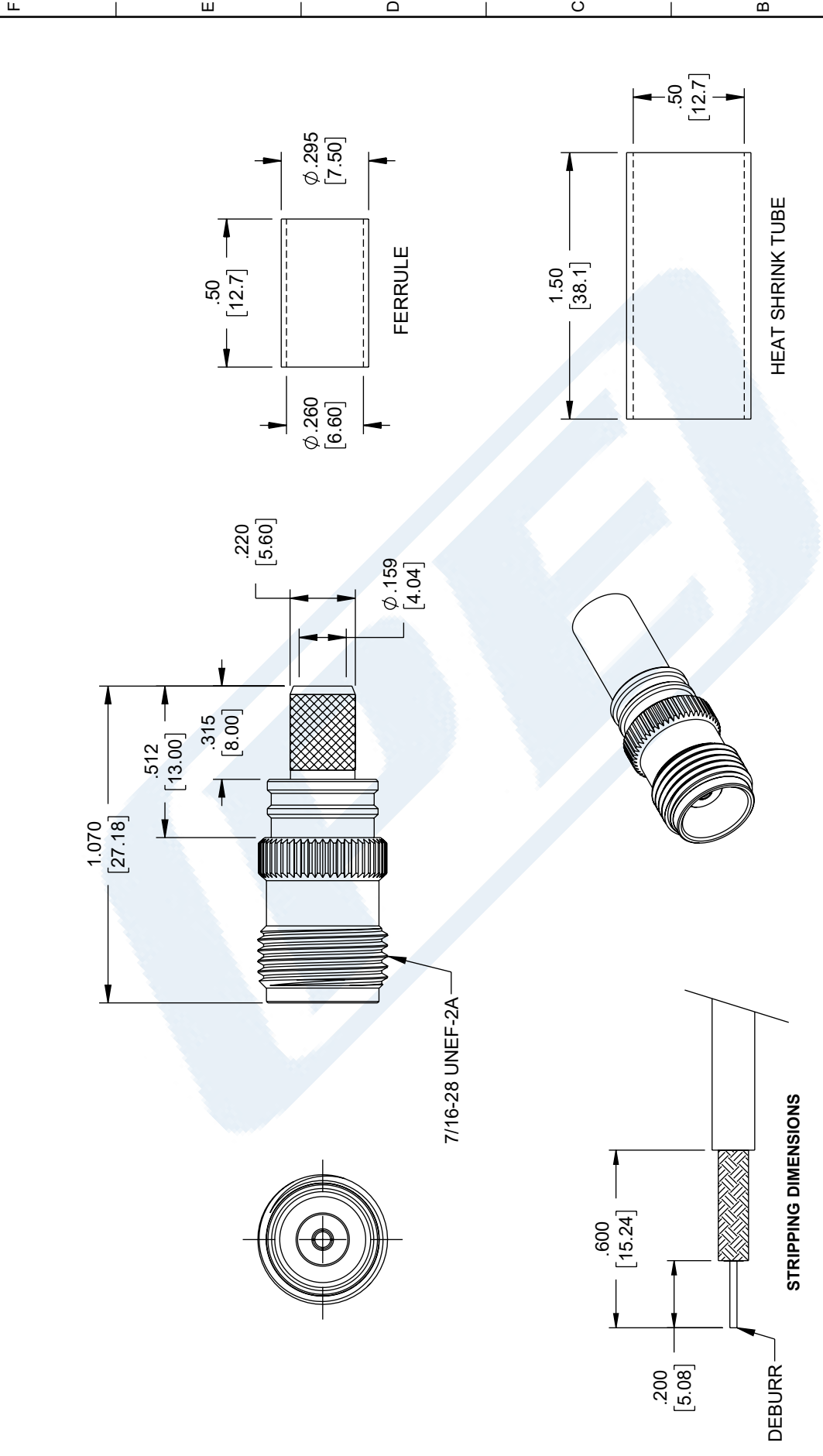
TNC Female Connector Crimp/Non-Solder Contact Attachment for LMR-240, LMR-240-DB, LMR-240-UF, LMR-240-FR, RG8X, PE-C240 from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

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URL: <https://www.pasternack.com/tnc-female-lmr-240-lmr-240-db-connector-ez-240-tf-x-p.aspx>

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| ZONE | REV | DESCRIPTION | DATE | CHANGED BY | APPROVED |
|------|-----|-----------------|-----------|------------|----------|
| A | | INITIAL RELEASE | 5/19/2023 | KDANG | AGANWANI |



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 Phone: 1.866.727.8376 | 1.949.261.1920

DESCRIPTION: TNC Female Connector Crimp/Non-Solder Contact Attachment for LMR-240

SCALE: NONE
SHEET: 1 OF 1

INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5

UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS

TOLERANCES:
 .X = ±.2 [5] FRACTIONS
 .XX = ±.02 [5] ±.1/32
 .XXX = ±.005 [13] ANGLES ± 1°

CABLE LENGTH TOLERANCES:
 ≤12 [305] = +1 [25] / -0
 >12 [305] ≤ 60 [1524] = +2 [51] / -0
 >60 [1524] ≤ 120 [3048] = +4 [102] / -0
 >120 [3048] ≤ 300 [7620] = +6 [152] / -0
 >300 [7620] = +5% / -0

ALL DIMENSIONS ARE FOR REFERENCE ONLY AND SUBJECT TO CHANGE WITHOUT NOTICE

| | | | |
|------|-----------|----------|-------------|
| SIZE | CAGE CODE | DRAWN BY | ITEM NO. |
| A | 53919 | KDANG | EZ-240-TF-X |

NOTES:

- CABLE ATTACHMENT:
 • OUTER: CRIMP.
- CRIMP SIZE REQUIRED:
 • FERRULE: .255 [6.48] HEX. CRIMP TOOL.

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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:

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

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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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