

## QMA Male QD 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



**EZ-240-QM-X**

#### Times Microwave Systems Connector Specification

##### Configuration

- QD QMA Male 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 8 GHz
- Good VSWR of 1.3:1
- Gold Plated Beryllium Copper Contact
- 50 µin minimum contact plating

##### Applications

- General Purpose Test
- Custom Cable Assemblies

##### Description

EZ-240-QM-X QMA male coaxial connector has an interface type of QMA male LMR-240, LMR-240-DB, LMR-240-UF, LMR-240-FR, RG8X, and PE-C240 and a 50 Ohms impedance. Pasternack's QMA male connector uses crimp/non-solder contact as an attachment method. Our male QMA coaxial connector provides a maximum frequency of 8 GHz.

The Pasternack QMA male 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-QM-X QMA connector uses a gold plated beryllium copper 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 100 cycles or more. Our high-quality EZ-240-QM-X features an 80 µin minimum body plating specification. The Pasternack EZ-240-QM-X QMA connector operates at a temperature range of -40 to 125 deg C.

This Pasternack male QMA connector will ship the same business day as purchased. Our QMA male 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      |         | 8       | GHz   |
| VSWR                                 |         |         | 1.3:1   |       |
| Insertion Loss                       |         |         | 0.28    | dB    |
| Impedance                            |         | 50      |         | Ohms  |
| Dielectric Withstanding Voltage (DC) |         |         | 1,000   | Vdc   |
| Insulation Resistance                | 5,000   |         |         | MOhms |

Electrical Specification Notes:  
Insertion Loss is  $0.1 \times \sqrt{\text{fGHz}}$  dB

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



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 240-UF, LMR-240-FR, RG8X, PE-C240



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### Mechanical Specifications

|                       |                    |
|-----------------------|--------------------|
| <b>Size</b>           |                    |
| Length                | 1.07 in [27.28 mm] |
| Width                 | 0.41 in [10.49 mm] |
| Height                | 0.41 in [10.49 mm] |
| Weight                | 0.10 lbs [45.36 g] |
| Mating Cycles         | 100 Cycles         |
| Cable Retention Force | 250 lbs 113.4 kg   |

### Material Specifications

| Description  | Material         | Plating                     |
|--------------|------------------|-----------------------------|
| Contact      | Beryllium Copper | Gold<br>50 µin minimum      |
| Insulation   | PTFE             |                             |
| Body         | Brass            | Tri-Metal<br>80 µin minimum |
| Coupling Nut | Brass            | Tri-Metal<br>80 µin minimum |
| Gasket       | Silicone         |                             |
| Crimp Sleeve | Brass            | Tri-Metal<br>80 µin minimum |

### Environmental Specifications

|                    |                                |
|--------------------|--------------------------------|
| <b>Temperature</b> |                                |
| Operating Range    | -40 to +125 deg C              |
| Shock              | MIL-STD 202G, Meth.213, Cond I |
| Vibration          | MIL-STD 202G, Meth.204, Cond.D |
| 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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240-UF, LMR-240-FR, RG8X, PE-C240

## RF Connectors Technical Data Sheet



**EZ-240-QM-X**

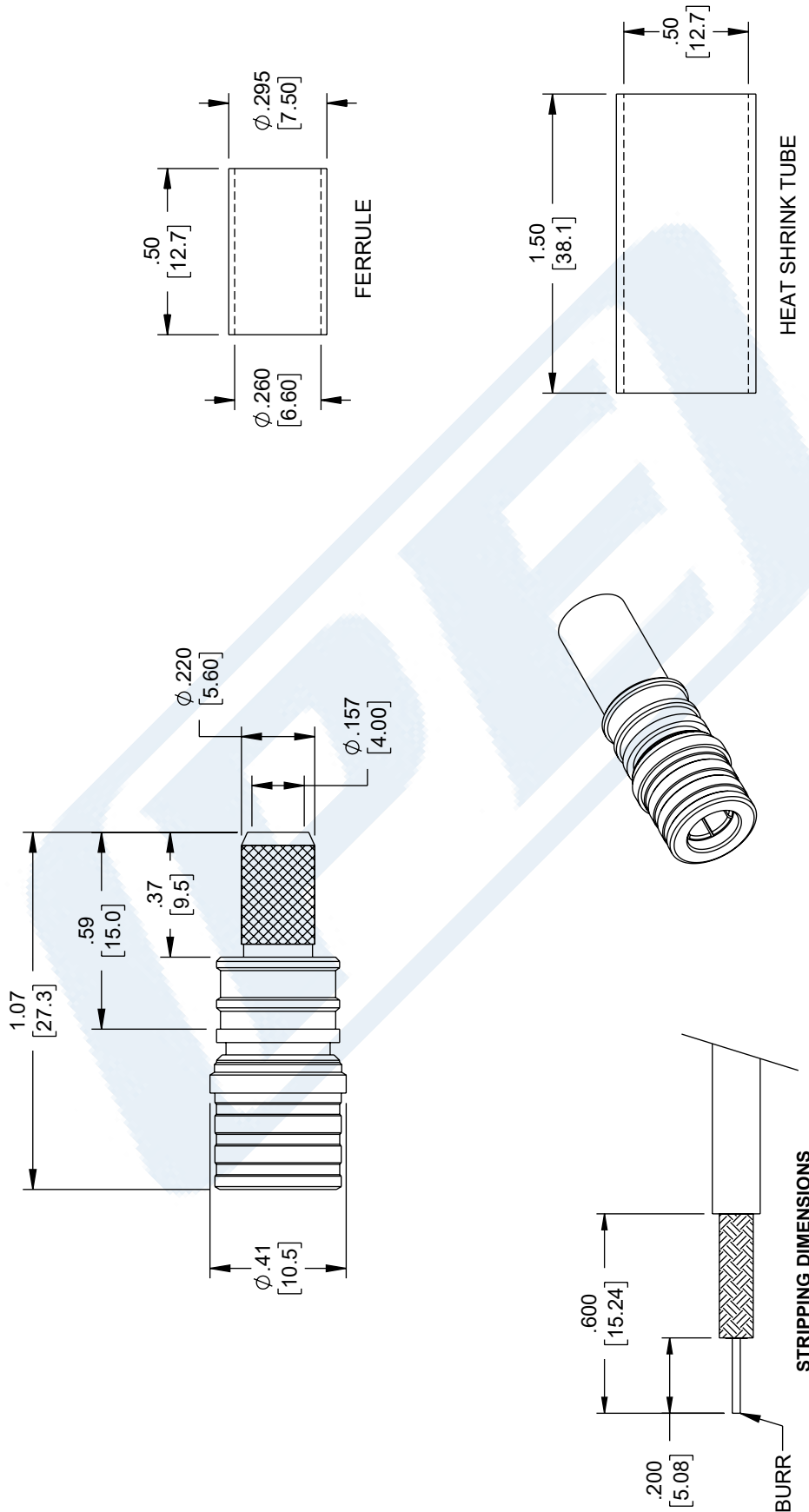
QMA Male QD Connector Crimp/Non-Solder Contact Attachment for LMR-240, LMR-240-DB, LMR-240-UF, LMR-240-FR, RG8X, PE-C240 from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of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

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [QMA Male QD Connector Crimp/Non-Solder Contact Attachment for LMR-240, LMR-240-DB, LMR-240-UF, LMR-240-FR, RG8X, PE-C240 EZ-240-QM-X](https://www.pasternack.com/qma-male-qd-lmr-240-lmr-240-db-connector-ez-240-qm-x-p.aspx)

URL: <https://www.pasternack.com/qma-male-qd-lmr-240-lmr-240-db-connector-ez-240-qm-x-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.





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

TOLERANCES:

.X =  $\pm .2$  [5] FRACTIONS

.XX =  $\pm .02$  [ .5]  $\pm 1/32$

.XXX =  $\pm .005$  [ .13] ANGLES  $\pm 1^\circ$

CABLE LENGTH TOLERANCES:

$\leq 12$  [305] =  $\pm 1$  [25] / -0

$> 12$  [305]  $\leq 60$  [1524] =  $\pm 2$  [51] / -0

$> 60$  [1524]  $\leq 120$  [3048] =  $\pm 4$  [102] / -0

$> 120$  [3048]  $\leq 300$  [7620] =  $\pm 6$  [152] / -0

$> 300$  [7620] =  $\pm 5\%$  / -0

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

**NOTES:**

1. CABLE ATTACHMENT:  
OUTER: CRIMP.

2. CRIMP SIZE REQUIRED:

FERRULE: .255 [6.48] HEX. CRIMP TOOL.

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| ZONE | REV | DESCRIPTION     | DATE      | CHANGED BY | APPROVED |
|------|-----|-----------------|-----------|------------|----------|
| A    |     | INITIAL RELEASE | 5/18/2023 | KDANG      | AGANWANI |

|                                                                                                                                                                                                                                                          |  |                                                                                                                                                   |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p><b>PASTERNECK</b><br/>an INFINITI brand</p> <p>Website: <a href="http://www.Pasterneck.com">www.Pasterneck.com</a><br/>Phone: 1.866.727.8376   1.949.261.1920</p> |  |  <p>INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5</p> |
| <p>DESCRIPTION</p> <p>QMA Male QD Connector Crimp/Non-Solder Contact Attachment for LMR-240</p>                                                                                                                                                          |  | <p>SCALE</p> <p>NONE</p>                                                                                                                          |
| <p>SIZE</p> <p>A</p>                                                                                                                                                                                                                                     |  | <p>SHEET</p> <p>1 OF 1</p>                                                                                                                        |
| <p>CAGE CODE</p> <p>53919</p>                                                                                                                                                                                                                            |  | <p>ITEM NO.</p> <p>EZ-240-QM-X</p>                                                                                                                |
| <p>DRAWN BY</p> <p>KDANG</p>                                                                                                                                                                                                                             |  | <p>REV</p> <p>A</p>                                                                                                                               |

