

QMA Male QD Connector Crimp/Non-Solder Contact Attachment for LMR-240, LMR-240-DB, LMR-240-UF, LMR-240-FR, RG8X Cable

Times Microwave Systems Connector Specification

EZ-240-QM-X QMA male coaxial connector has an interface type of QMA male which is compatible with LMR-240, LMR-240-DB, LMR-240-UF, LMR-240-FR, and RG8X cables and a 50 Ohms impedance. Fairview Microwave's QMA male connector uses crimp/non-solder contact as an attachment method. Our male QMA coaxial connector operates at a maximum frequency of 8 GHz.

The Fairview Microwave QMA male coaxial connector has a PTFE dielectric type and a VSWR of 1.3. Fairview Microwave's QMA coaxial connector has a brass body with tri-metal plating. Our EZ-240-QM-X QMA connector uses beryllium copper contact. This push-on RF connector can operate at temperatures ranging from -40 to 125 degrees C. 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 along with a contact life of 100 cycles or more. Our high-quality EZ-240-QM-X connector features an 80 µin minimum body plating specification. This QMA connector has a gold inner contact plating.

This Fairview Microwave 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 worldwide 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	Min	Typ	Max	Units
Frequency Range	DC		8	GHz
VSWR			1.3:1	
Insertion Loss			0.28	dB
DWV (DC)			1,000	Vdc
Insulation Resistance	5,000			MOhms

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

Mechanical Specifications

Size	
Length	1.074 in [27.28 mm]
Width/Dia.	0.413 in [10.49 mm]
Height	0.413 in [10.49 mm]
Weight	0.1 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 50 µin minimum
Insulation	PTFE	



Configuration:

- QD QMA Male Connector
- 50 Ohms
- Straight Body Geometry
- LMR-240, LMR-240-DB, LMR-240-UF, LMR-240-FR, RG8X Interface Type
- Crimp/Non-Solder Contact Attachment

Features:

- Operating Frequency of 8 GHz Max.
- Good VSWR of 1.3:1
- Gold Plated Beryllium Copper Contact
- 50 µin minimum contact plating

Applications:

- General Purpose Test
- Custom Cable Assemblies

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Body	Brass	Tri-Metal 80 µin minimum
Coupling Nut	Brass	Tri-Metal 80 µin minimum
Gasket	Silicone	
Crimp Sleeve	Brass	Tri-Metal 80 µin minimum

Environmental Specifications

Temperature

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

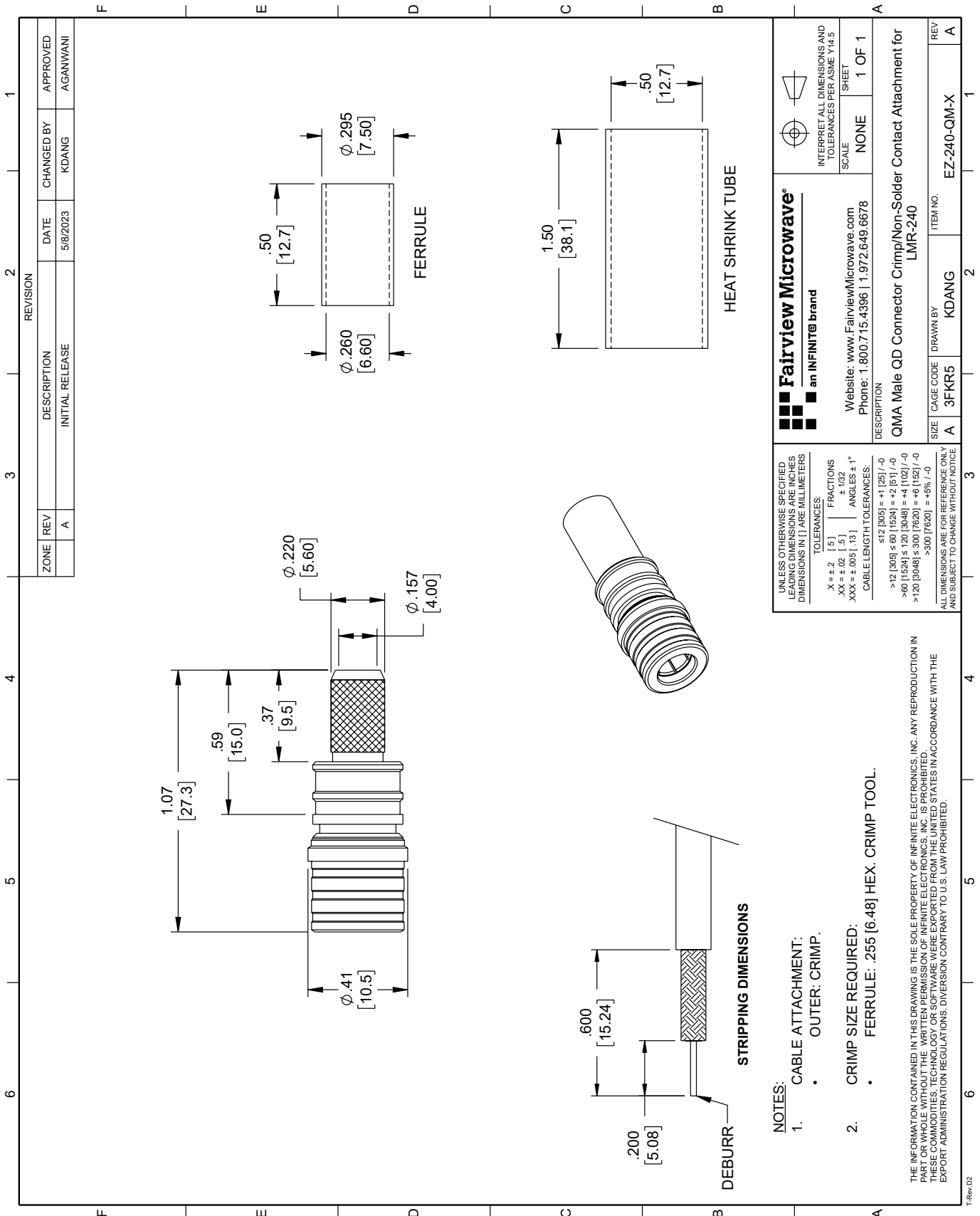
Notes:

QMA Male QD Connector Crimp/Non-Solder Contact Attachment for LMR-240, LMR-240-DB, LMR-240-UF, LMR-240-FR, RG8X Cable from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [QMA Male QD Connector Crimp/Non-Solder Contact Attachment for LMR-240, LMR-240-DB, LMR-240-UF, LMR-240-FR, RG8X Cable EZ-240-QM-X](#)

URL: <https://www.fairviewmicrowave.com/qma-male-qd-lmr-240-lmr-240-db-lmr-240-uf-lmr-240-fr-rg8x-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. Fairview Microwave reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Fairview Microwave does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Fairview Microwave does not assume any liability arising out of the use of any part or documentation.



ZONE		REVISION		DESCRIPTION		DATE		CHANGED BY		APPROVED	
A				INITIAL RELEASE		5/8/2023		KDANG		AGANWANI	

Fairview Microwave® an INFINITE brand		INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5 SCALE: NONE SHEET: 1 OF 1	
Website: www.FairviewMicrowave.com Phone: 1.800.715.4396 1.972.649.6678		DESCRIPTION: QMA Male QD Connector Crimp/Non-Solder Contact Attachment for LMR-240	
SIZE: A	CAGE CODE: 3FKR5	DRAWN BY: KDANG	ITEM NO.: EZ-240-QM-X
REV: A			REV: A

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

NOTES:

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

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