

75 Ohm F Male (Plug) Connector Crimp/Non-Solder Contact Attachment for LMR-400-75, LMR-400-75-DB Cable



EZ-400-FM-75-X

Configuration

- F Male Connector
- 75 Ohms
- Connector Interface Types: LMR-400-75, LMR-400-75-DB

Features

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

Applications

- General Purpose Test
- Custom Cable Assemblies
- CATV

Description

75 Ohm type F Male Connector Crimp/Non-Solder Contact Attachment for LMR-400-75 and LMR-400-75-DB Cable, part number EZ-400-FM-75-X, from Fairview Microwave is in-stock and ships same day. This type F male connector operates up to a maximum frequency of 1 GHz and offers good VSWR of 1.3:1.

Fairview's 75 ohm type F male connector EZ-400-FM-75-X datasheet specifications and outline drawing are shown in this PDF below. Our extensive offering of RF, microwave and millimeter wave connectors allows designers to configure and customize their signal connections however they like. From providing an I/O for a board design to creating a custom cable assembly configuration, Fairview Microwave has a connector solution to meet your needs. Fairview Microwave also has the expertise to build your custom cable assemblies for you and ship them same-day.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		1,000	MHz
VSWR			1.3:1	
Insertion Loss			0.1	dB
Dielectric Withstanding Voltage (AC)			750	Vrms
Insulation Resistance	5,000			MOhms
Impedance		75		Ohms

Mechanical Specifications

Size

Length	1.457 in [37.01 mm]
Width	0.433 in [11 mm]
Height	0.433 in [11 mm]
Weight	0.068 lbs [30.84 g]
Mating Cycles	500 Cycles
Mating Torque	4.1 to 6.1 in-lbs [[0.46 to 0.69 Nm]]
Cable Retention Force	120 lbs [54.43 kg]

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EZ-400-FM-75-X

Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold 50 µin
Insulation	PTFE	
Body	Brass	Tri-Metal 100 µin
Gasket	Silicone	
Crimp Sleeve	Copper	Tri-Metal 100 µin

Environmental Specifications

Temperature

Operating Range -40 to +125 deg C

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

Plotted and Other Data

Notes:

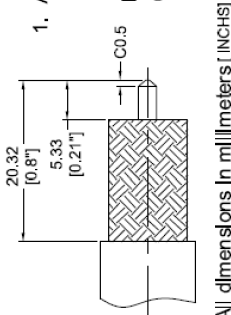
75 Ohm F Male (Plug) Connector Crimp/Non-Solder Contact Attachment for LMR-400-75, LMR-400-75-DB Cable from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [75 Ohm F Male \(Plug\) Connector Crimp/Non-Solder Contact Attachment for LMR-400-75, LMR-400-75-DB Cable EZ-400-FM-75-X](#)

The information contained within 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 liability arising out of the use of any part or document.

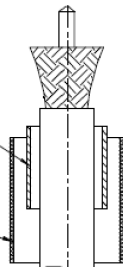
Installation Instruction

1. A. Trim cable to dimensions shown using the CST-400-75 prep tool. Be careful to avoid nicking the braid
- B. Remove any residual plastic from center conductor
- C. Deburr center conductor using a fine file or Times DBT-U tools

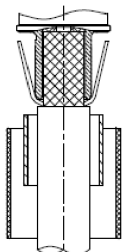


All dimensions in millimeters (inches)

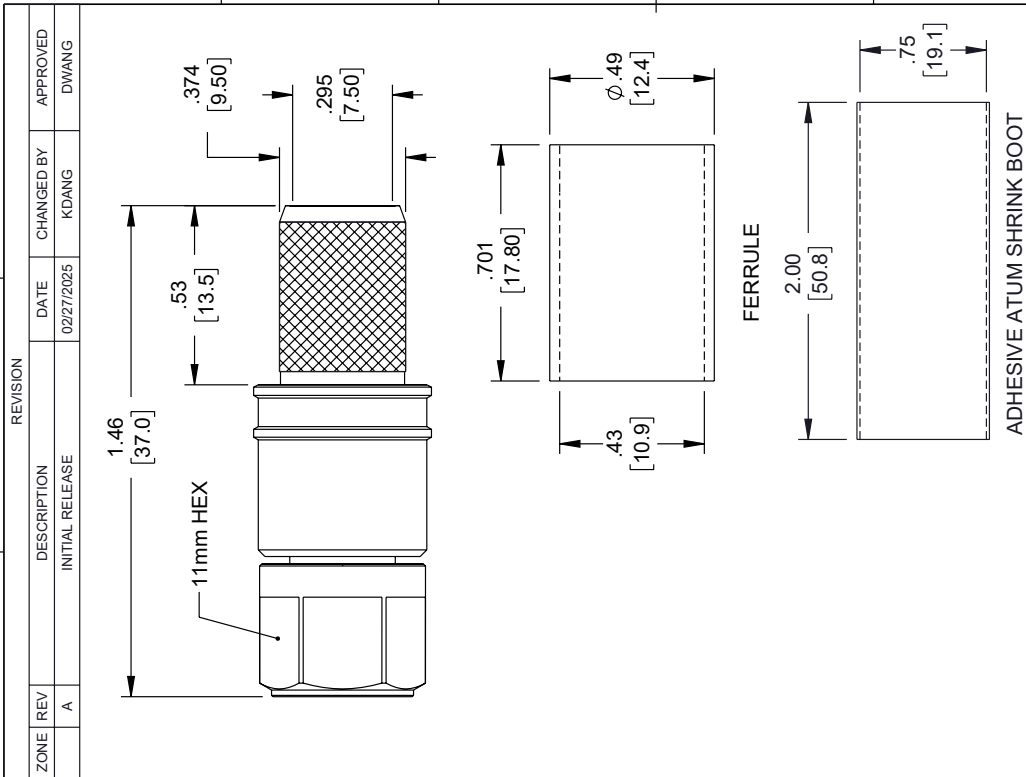
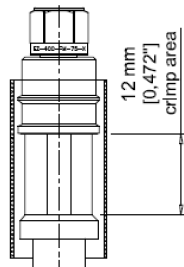
2. A. Slide crimp ferrule and heat shrink tubing over the cable
- B. Flare the braid



3. A. Insert cable into connector body until dielectric is seated and center conductor is inserted fully into connector center pin.



4. A. Slide crimp ferrule over braid and crimp as close to body as possible using .429" HEX crimp tooling
- Pay attention to the crimp area, do not crimp rear of crimp sleeve
- B. Heat shrink tube over rear of connector body and down on to cable jacket using hot air gun



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	Website: www.FairviewMicrowave.com Phone: 1.800.715.4396 1.972.649.6678		SCALE	SHEET
TOLERANCES:		NONE		1 OF 1
X = ±.2 (5) XX = ±.02 (0.5) XXX = ±.005 (0.13)		FRACTIONS ± 1/32 ANGLES ± 1°		
CABLE LENGTH TOLERANCES:		DESCRIPTION		
>12 (305) ≤ 60 (1524) = ±1 (25) / -0		75 Ohm F MALE CONNECTOR CRIMP/NON-SOLDER CONTACT ATTACHMENT FOR LMR-400-75		
>60 (1524) ≤ 120 (3048) = ±4 (102) / -0		ITEM NO.		
>120 (3048) ≤ 300 (7620) = ±5% / -0		EZ-400-FM-75-X		
ALL DIMENSIONS ARE FOR REFERENCE ONLY. UNLESS OTHERWISE SPECIFIED, DIMENSIONS MAY VARY IN SIZE AND LOCATION. COLORS MAY VARY.		SIZE		
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