

3.5mm Female (Jack) PCB Connector 0.068 Inch End  
Launch Solder Attachment 0.02 Inches Diameter



**FMCN5486**

**Configuration**

- 3.5mm Female Connector
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: 0.068 Inch End Launch

**Features**

- Operating Frequency of 34.5 GHz Max.
- Excellent VSWR of 1.2:1
- Gold over Nickel Alloy over Copper Plated Beryllium Copper Contact

**Applications**

- General Purpose Test
- PCB Applications

**Description**

3.5mm Female Connector Solder Attachment for 0.068 Inch End Launch, part number FMCN5486, from Fairview Microwave is in-stock and ships same day. This 3.5mm female connector operates up to a maximum frequency of 34.5 GHz and offers excellent VSWR of 1.2:1.

Fairview's 3.5mm female connector FMCN5486 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		34.5	GHz
VSWR			1.2:1	
Insertion Loss			0.176	dB
Operating Voltage (AC)			335	Vrms
Dielectric Withstanding Voltage (AC)			1,000	Vrms
Inner Conductor DC Resistance			3	mOhms
Outer Conductor DC Resistance			2	mOhms
Insulation Resistance	5,000			MOhms
RF Leakage	100			dB
Impedance		50		Ohms

**Mechanical Specifications**

**Size**

- Length 0.561 in [14.25 mm]
- Width 0.375 in [9.53 mm]
- Height 0.312 in [7.92 mm]
- Weight 0.005 lbs [2.27 g]
- Mating Cycles 500 Cycles
- Mating Torque 7.1 to 9.7 in-lbs [0.80 to 1.10 Nm]

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**Material Specifications**

Description	Material	Plating
Contact	Beryllium Copper	Gold over Nickel Alloy over Copper
Insulation	PEI	
Body	Brass	Gold over Nickel Alloy over Copper
Crimp Sleeve	Brass	Gold over Nickel Alloy over Copper

**Environmental Specifications**

**Temperature**

Operating Range

-55 to +165 deg C

Humidity

MIL-STD-202, Method 106

Thermal Shock

MIL-STD-202, Method 107, Condition B

Salt Spray

MIL-STD-202, Method 101, Condition B

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

**Plotted and Other Data**

Notes:

3.5mm Female (Jack) PCB Connector 0.068 Inch End Launch Solder Attachment 0.02 Inches Diameter 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.

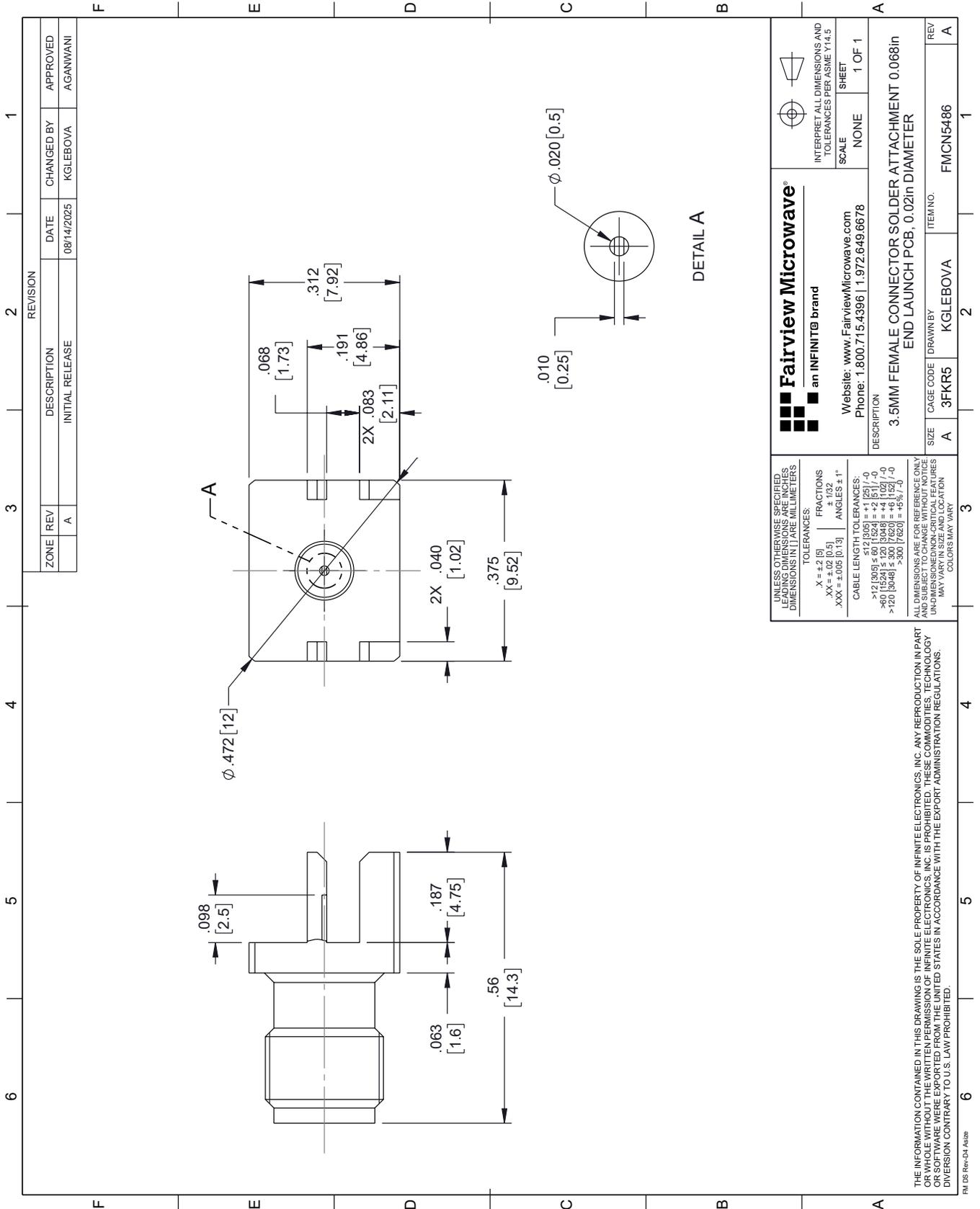
For additional information on this product, please click the following link: [3.5mm Female \(Jack\) PCB Connector 0.068 Inch End Launch Solder Attachment 0.02 Inches Diameter FMCN5486](#)

URL: <https://www.fairviewmicrowave.com/product/rf-connectors/3.5mm-female-0.068-end-launch-pcb-connector-fmcn5486.html>

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.

# FMCN5486 CAD Drawing

3.5mm Female (Jack) PCB Connector 0.068 Inch End Launch Solder Attachment 0.02 Inches Diameter



REVISION		DATE	CHANGED BY	APPROVED
ZONE	REV	DESCRIPTION	INITIAL RELEASE	
A				AGANWANI

 an INFINITO brand		Website: <a href="http://www.FairviewMicrowave.com">www.FairviewMicrowave.com</a> Phone: 1.800.715.4396   1.972.649.6678	
UNLESS OTHERWISE SPECIFIED, LEADING DIMENSIONS ARE IN INCHES. DIMENSIONS IN [ ] ARE MILLIMETERS.		INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5	
TOLERANCES: .X = +.2 [5] .XX = +.02 [0.5] .XXX = +.005 [0.13]		SCALE: NONE SHEET: 1 OF 1	
FRACTIONS: ± 1/32 ANGLES: ± 1°			
CABLE LENGTH TOLERANCES: ≤ 12 [305] ≤ 60 [1524] = +2 [51] / -0 > 60 [1524] ≤ 120 [3048] = +4 [102] / -0 > 120 [3048] ≤ 300 [7620] = +5% / -0			
ALL DIMENSIONS ARE FOR REFERENCE ONLY. UNLESS OTHERWISE SPECIFIED, DIMENSIONS MAY VARY IN SIZE AND LOCATION. COLORS MAY VARY.		DESCRIPTION: 3.5MM FEMALE CONNECTOR SOLDER ATTACHMENT 0.068in END LAUNCH PCB, 0.02in DIAMETER	
SIZE	A	CAGE CODE	3FKR5
DRAWN BY	KGLEBOVA	ITEM NO.	FMCN5486
REV	A		

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