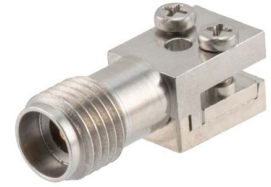


2.92mm Female (Jack) 2 Hole PCB Narrow Body,  
0.062 inches End Launch PCB Connector, Solderless



**FMCN45948**

**Configuration**

- 2.92mm Female Connector
- 50 Ohms
- Straight Body Geometry
- 2 Hole Flange

**Features**

- Operating Frequency of 40 GHz Max.
- Good VSWR of 1.3:1
- Gold Plated Beryllium Copper Contact

**Applications**

- General Purpose Test
- Rack and Panel Mount Applications
- PCB Applications

**Description**

2.92mm Female 2 hole Flange Mount Standard 2 hole Flange Mount Connector, part number FMCN45948, from Fairview Microwave is in-stock and ships same day. This 2.92mm female connector operates up to a maximum frequency of 40 GHz and offers good VSWR of 1.3:1. Fairview's FMCN45948 2 hole flange 2.92mm connector enables designers to make external connections on product enclosures, and can be used in a variety of other rack mount and panel mount applications.

Fairview's 2.92mm female 2 hole flange connector FMCN45948 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**

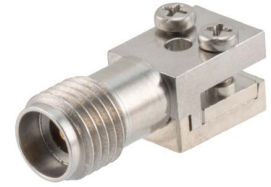
Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		40	GHz
VSWR			1.3:1	
Operating Voltage (AC)			250	Vrms
Dielectric Withstanding Voltage (AC)			750	Vrms
Inner Conductor DC Resistance			3	mOhms
Outer Conductor DC Resistance			2	mOhms
Insulation Resistance	5,000			MOhms
RF Leakage	100			dB
Impedance		50		Ohms

**Mechanical Specifications**

**Size**

- Length 0.7 in [17.78 mm]
- Width 0.25 in [6.35 mm]
- Height 0.25 in [6.35 mm]
- Weight 0.002 lbs [0.91 g]
- Mating Cycles 500 Cycles
- Mating Torque 11.47 to 15 in-lbs [[1.30 to 1.70 Nm]]

2.92mm Female (Jack) 2 Hole PCB Narrow Body,  
0.062 inches End Launch PCB Connector, Solderless



**FMCN45948**

Cable Retention Force 4.9 lbs [2.22 kg]

**Material Specifications**

Description	Material	Plating
Contact	Beryllium Copper	Gold
Insulation	Teflon	
Outer Conductor	Stainless Steel	
Body	Stainless Steel	

**Environmental Specifications**

<b>Temperature</b>	
Operating Range	-40 to +105 deg C
Humidity	MIL-STD-202, Method 206
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:

2.92mm Female (Jack) 2 Hole PCB Narrow Body, 0.062 inches End Launch PCB Connector, Solderless 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.

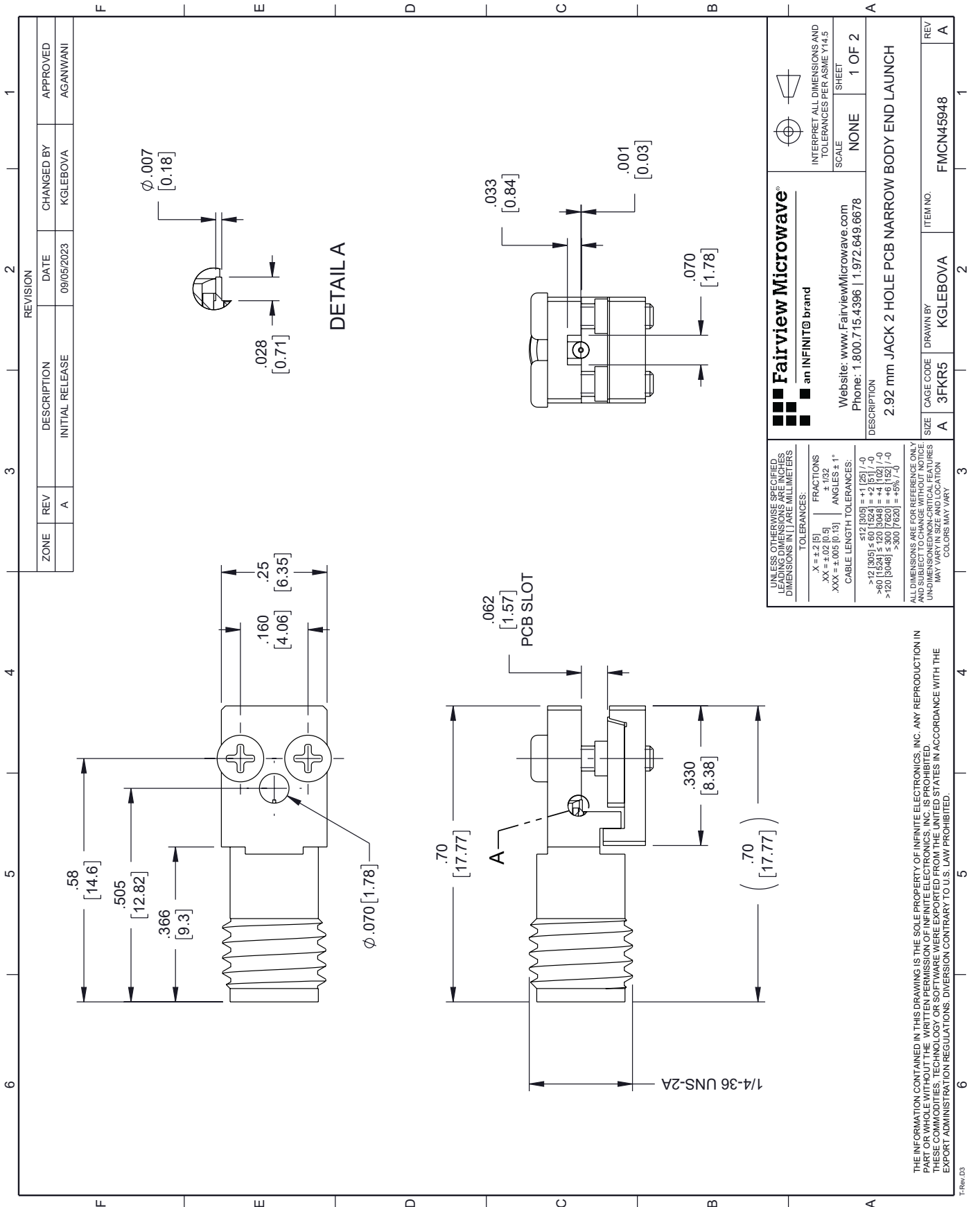
For additional information on this product, please click the following link: [2.92mm Female \(Jack\) 2 Hole PCB Narrow Body, 0.062 inches End Launch PCB Connector, Solderless FMCN45948](#)

URL: <https://www.fairviewmicrowave.com/2.92mm-female-pcb-connector-fmcn45948-p.aspx>

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.

# FMCN45948 CAD Drawing

2.92mm Female (Jack) 2 Hole PCB Narrow Body, 0.062 inches End Launch PCB Connector, Solderless



ZONE		REV	DESCRIPTION	DATE	CHANGED BY	APPROVED
		A	INITIAL RELEASE	09/05/2023	KGLEBOVA	AGANWANI

REVISION	
1	
2	
3	

**Fairview Microwave**  
an INFINITI® brand

Website: [www.FairviewMicrowave.com](http://www.FairviewMicrowave.com)  
Phone: 1.800.715.4396 | 1.972.649.6678

INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5  
SCALE NONE SHEET 1 OF 2

DESCRIPTION  
2.92 mm JACK 2 HOLE PCB NARROW BODY END LAUNCH

UNLESS OTHERWISE SPECIFIED, LEADING DIMENSIONS ARE IN INCHES AND DIMENSIONS IN [ ] ARE IN MILLIMETERS.  
TOLERANCES:  
X = ±.2 [5] FRACTIONS ± 1/32  
.XX = ±.02 [0.5] ANGLES ± 1°  
.XXX = ±.005 [0.13] CABLE LENGTH TOLERANCES:  
<12 [305] ≤ 60 [1524] = +1 [25] / -0  
>60 [1524] ≤ 120 [3048] = +4 [102] / -0  
>120 [3048] ≤ 300 [7620] = +6 [152] / -0  
>300 [7620] = +9% [-0]

ALL DIMENSIONS ARE FOR REFERENCE ONLY AND SUBJECT TO CHANGE WITHOUT NOTICE UNLESS OTHERWISE SPECIFIED IN DIMENSIONS MAY VARY IN SIZE AND LOCATION. COLORS MAY VARY.

SIZE	A	3FKR5	3
CAGE CODE	DRAWN BY KGLEBOVA		
ITEM NO.	FMCN45948		
REV	A		

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TRev\_03

# FMCN45948 CAD Drawing

2.92mm Female (Jack) 2 Hole PCB Narrow Body, 0.062 inches End Launch PCB Connector, Solderless

