

## 2.92mm Male (Plug) to 1.85mm Female (Jack) Adapter with Passivated Stainless Steel Body



### FMAD10140

#### Configuration

- 2.92mm Male Connector 1
- 1.85mm Female Connector 2
- 50 Ohms Impedance
- Straight Body Geometry

#### Features

- VSWR of 1.25:1 max up to 40 GHz
- Gold over Nickel Alloy over Copper Plated Beryllium Copper Contact

#### Applications

- Enables Between Series Connections
- General Purpose Test

#### Description

2.92mm male to 1.85mm female adapter part number FMAD10140 from Fairview Microwave is in-stock and ships same day. This Fairview 2.92mm to 1.85mm adapter has a male to female gender configuration and is built of durable stainless steel. FMAD10140 2.92mm male to 1.85mm female adapter operates to 40 GHz. The Fairview Microwave RF adapter provides excellent VSWR of 1.25:1 maximum. The 2.92mm connector mates mechanically with commercially available SMA and 3.5mm connectors. The 1.85mm connector mates mechanically with commercially available 2.4mm connectors.

RF adapters can be used to enable connections between two connector types that would otherwise not mate. Certain RF adapter configurations can also be used to protect connectors on expensive equipment where the number of connect and disconnect cycles is high. An RF, microwave, or millimeter wave adapter is connected to the equipment and the commonly changed connection is made with the adapter which can be easily replaced when it wears out after high usage; such adapters are referred to as connector savers. Fairview Microwave also offers bulkhead, panel mount, hermetically sealed, reverse polarity, and isolated ground adapter varieties to serve all of your RF, microwave and millimeter wave needs.

#### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		40	GHz
Impedance		50		Ohms
VSWR			1.25:1	
Insertion Loss			0.31	dB
Operating Voltage (AC)			150	Vrms
Dielectric Withstanding Voltage (AC)			500	Vrms
Insulation Resistance	5,000			MOhms
RF Leakage			100	dB

#### Mechanical Specifications

##### Size

Length	0.86 in [21.89 mm]
Width	0.32 in [8.00 mm]
Height	0.32 in [8.00 mm]
Weight	0.01 lbs [4.54 g]

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**FMAD10140**

Description	Connector 1	Connector 2
Polarity	Standard	Standard
Mating Cycles, Min	500	500
Mating Torque	11.47 in-lbs 1.30 Nm min	7.08 to 9.74 in-lbs 0.80 to 1.10 Nm
Contact Captivation Axial Force, Min	4.9 lbs [2.22 kg]	4.5 lbs [2.04 kg]
Coupling Proof Torque	15 in-lbs [1.7 Nm]	15 in-lbs [1.7 Nm]

**Material Specifications**

Description	Connector 1		Connector 2	
	Material	Plating	Material	Plating
Type	2.92mm Male		1.85mm Female	
Contact	Beryllium Copper	Gold over Nickel Alloy over Copper	Beryllium Copper	Gold over Nickel Alloy over Copper
Insulation	PPO		PPO	
Body	Passivated Stainless Steel		Passivated Stainless Steel	
Gasket	Silicone		Silicone	

**Environmental Specifications**

**Temperature**

Operating Range	-55 to +105 °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**

2.92mm Male (Plug) to 1.85mm Female (Jack) Adapter with Passivated Stainless Steel Body 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.

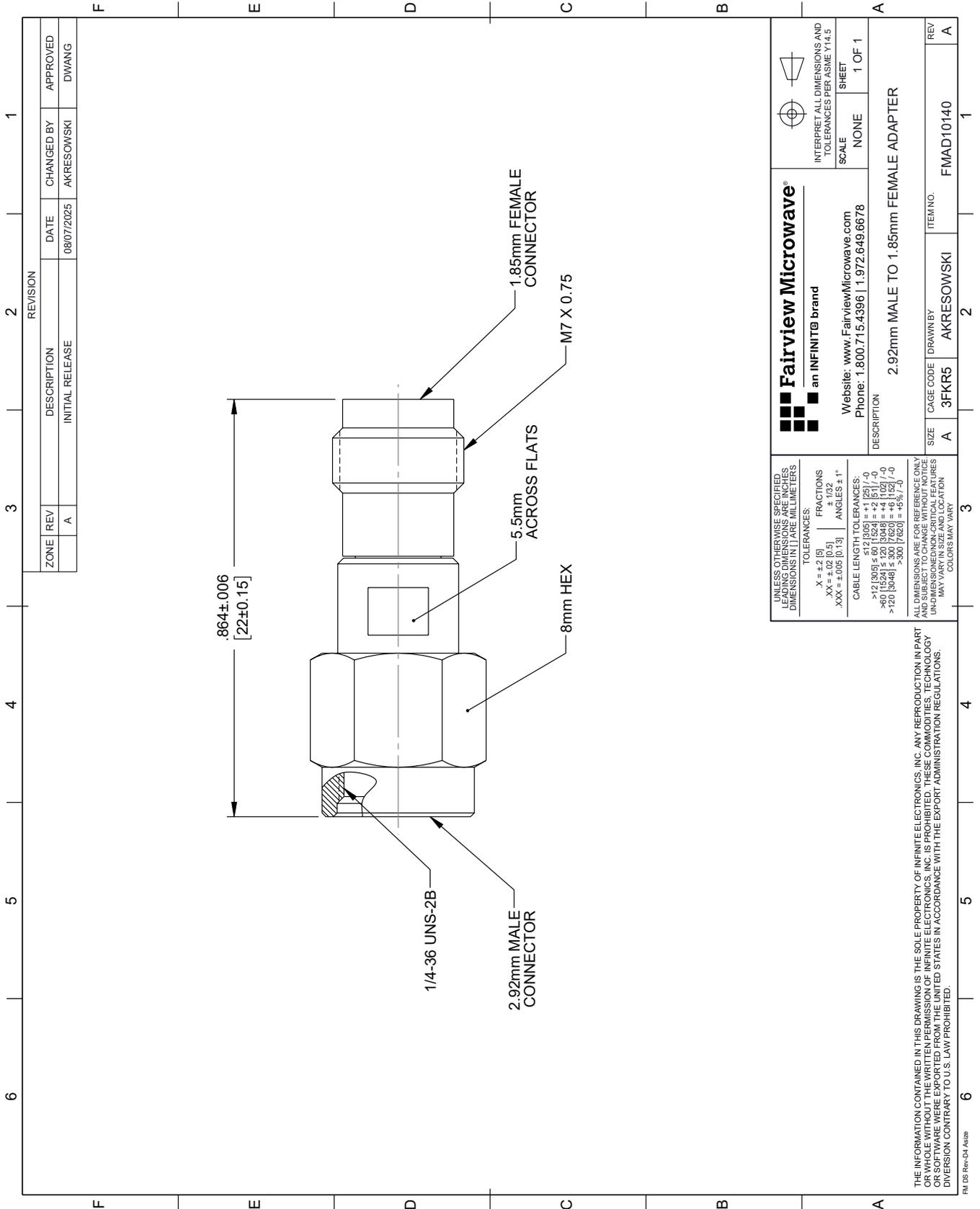
For additional information on this product, please click the following link: [2.92mm Male \(Plug\) to 1.85mm Female \(Jack\) Adapter with Passivated Stainless Steel Body FMAD10140](#)

URL: <https://www.fairviewmicrowave.com/product/rf-adapters/2.92mm-male-to-1.85mm-female-adapter-with-passivated-stainless-steel-body-fmad10140.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.

# FMAD10140 CAD Drawing

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REVISION		DATE	CHANGED BY	APPROVED	
ZONE	REV	DESCRIPTION	DATE	CHANGED BY	APPROVED
	A	INITIAL RELEASE	08/07/2025	AKRESOWSKI	DWANG

 <b>Fairview Microwave®</b> an INFINIT® brand		 INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5 SCALE NONE SHEET 1 OF 1
Website: <a href="http://www.FairviewMicrowave.com">www.FairviewMicrowave.com</a> Phone: 1.800.715.4396   1.972.649.6678		DESCRIPTION <b>2.92mm MALE TO 1.85mm FEMALE ADAPTER</b>
UNLESS OTHERWISE SPECIFIED, LEADING DIMENSIONS ARE IN INCHES AND TRAILING DIMENSIONS ARE IN MILLIMETERS.	TOLERANCES: .X = ±.2 [5] .XX = ±.02 [0.5] .XXX = ±.005 [0.13]	FRACTIONS ± 1/32 ANGLES ± 1°
CABLE LENGTH TOLERANCES: >12 [305] ≤ 60 [1524] = ±.1 [2.5] / -0 >60 [1524] ≤ 120 [3048] = ±.4 [10.2] / -0 >120 [3048] ≤ 300 [7620] = ±.8 [20.3] / -0	ALL DIMENSIONS ARE FOR REFERENCE ONLY. UNDIMENSIONS/NON-CRITICAL FEATURES MAY VARY IN SIZE AND LOCATION. COLORS MAY VARY.	SIZE A CAGE CODE 3FKR5 DRAWN BY AKRESOWSKI ITEM NO. FMAD10140 REV A

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