

1.85mm Female PCB Connector End Launch Clamp/ Solder (Captive Contact) Attachment Microstrip/ Coplanar Launch, 0.005 inch

1.85mm female connector with clamp/solder (captive contact) attachment for end launch PCB, part number FMCN1502, from Fairview Microwave is in-stock and ships same day. This 1.85mm female connector operates up to a maximum frequency of 67 GHz and offers good VSWR of 1.35:1.

Fairview's 1.85mm female connector FMCN1502 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	Min	Тур	Max	Units
Frequency Range	DC		67	GHz
VSWR			1.35:1	

Electrical Specification Notes:

Actual VSWR performance is largely dependent on circuit board design. For optimal results, the connector and circuit launch geometry should be modeled using Electromagnetic Simulation tools.

Mechanical Specifications

Size	
Length	0.615 in [15.62 mm]
Width/Dia.	0.469 in [11.91 mm]
Weight	0.012 lbs [5.44 g]
Mating Cycles	500 Cycles

Material Specifications

Material	Plating	
Beryllium Copper	Gold	
PTFE		
Passivated Stainless Steel		
Passivated Stainless Steel		
	Beryllium Copper PTFE Passivated Stainless Steel	

Mechanical Specification Notes: Launch Pin is Gold Plated Beryllium Copper





Configuration:

- 1.85mm Female Connector
- 50 Ohms
- Straight Body Geometry
- End Launch Interface Type
- Clamp/Solder (Captive Contact) Attachment

Features:

- Operating Frequency of 67 GHz Max.
- Good VSWR of 1.35:1
- Gold Plated Beryllium Copper Contact
- Optimized for 5 mil Du5880

Applications:

- General Purpose Test
- PCB Applications
- Signal Integrity Measurement
- Chip Evaluations
- SERDES
- End Launch Test Fixtures
- Microstrip Launches
- CPW Launches

Fairview Microwave 301 Leora Ln., Suite 100 Lewisville, TX 75056 Tel: 1-800-715-4396 / (972) 649-6678 Fax: (972) 649-6689 www.fairviewmicrowave.com sales@fairviewmicrowave.com





Environmental Specifications

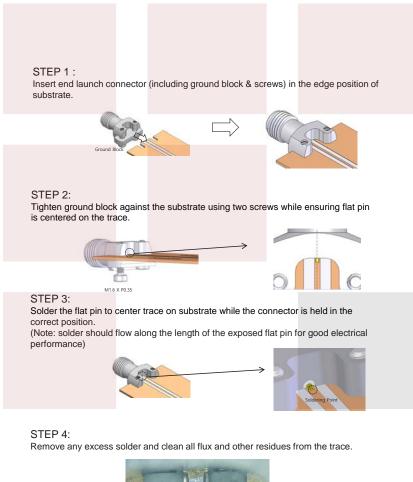
Temperature Operating Range

-40 to +125 deg C

Compliance Certifications (see product page for current document)

Plotted and Other Data Notes:

Assembly Instruction





(Substrate shown for assembly instruction purposes only)





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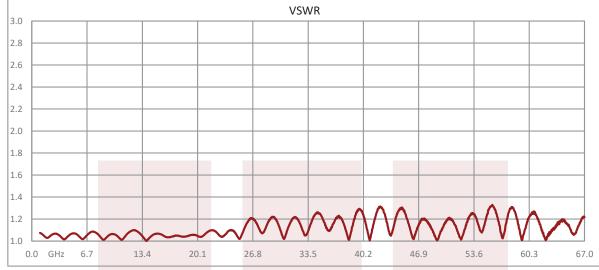
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TYPICAL PCB GEOMETRY

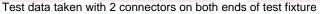
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Typical Performance Data





Test data taken with 2 connectors on both ends of test fixture

1.85mm Female PCB Connector End Launch Clamp/Solder (Captive Contact) Attachment Microstrip/Coplanar Launch, 0.005 inch 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 Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: 1.85mm Female PCB Connector End Launch Clamp/ Solder (Captive Contact) Attachment Microstrip/Coplanar Launch, 0.005 inch FMCN1502

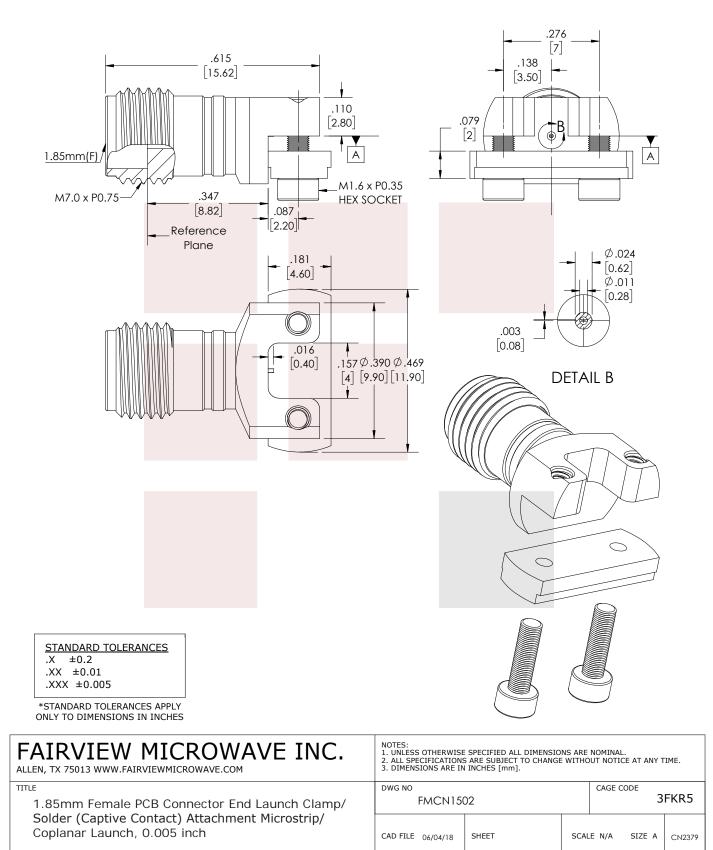
URL: https://www.fairviewmicrowave.com/1.85mm-female-end-launch-pcb-connector-fmcn1502-p.aspx

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