

SMP Male Commercial Grade PCB Connector End Launch Solder Attachment



FMCN5241

Configuration

- SMP Male Connector
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: End Launch
- Commercial Grade Design

Features

- Operating Frequency of 40 GHz Max.
- Blind Mate Connector
- Gold over Nickel over Copper Plated Beryllium Copper Contact

Applications

- General Purpose Test
- PCB Applications

Description

SMP Male Commercial Grade Connector Solder Attachment for End Launch Cable, part number FMCN5241, from Fairview Microwave is in-stock and ships same day. This SMP male connector operates up to a maximum frequency of 40 GHz. This blind mate connector is ideal for applications without direct visual or tactile access to the connection point, for example, when two circuit boards need to be mated.

Fairview's SMP male connector FMCN5241 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 |
| Impedance | | 50 | | Ohms |

Mechanical Specifications

Size

| | |
|--------|-------------------|
| Length | 0.3 in [7.62 mm] |
| Width | 0.2 in [5.08 mm] |
| Height | 0.16 in [4.06 mm] |
| Weight | 0.02 lbs [9.07 g] |

Material Specifications

| Description | Material | Plating |
|-------------|------------------|------------------------------|
| Contact | Beryllium Copper | Gold over Nickel over Copper |
| Insulation | PTFE | |
| Body | Brass | Gold over Nickel over Copper |

SMP Male Commercial Grade PCB Connector End Launch Solder Attachment



FMCN5241

Environmental Specifications

Temperature

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

Plotted and Other Data

Notes:

SMP Male Commercial Grade PCB Connector End Launch Solder Attachment 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: [SMP Male Commercial Grade PCB Connector End Launch Solder Attachment FMCN5241](#)

URL: <https://www.fairviewmicrowave.com/smp-male-end-launch-pcb-connector-fmcn5241-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.

FMCN5241 CAD Drawing

SMP Male Commercial Grade PCB Connector End Launch Solder Attachment

