

RA BMA Plug Slide-On PCB Connector Surface Mount Solder Attachment

RA BMA plug slide-on connector with solder attachment for surface mount PCB, part number FMCN1218, from Fairview Microwave is in-stock and ships same day. This BMA plug connector operates up to a maximum frequency of 6 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. Its right angle body geometry facilitates connections in tight spaces.

Fairview's RA BMA plug connector FMCN1218 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 | Typ | Max | Units |
|------------------------|-------|-----|-------|-------|
| Frequency Range | DC | | 6 | GHz |
| Operating Voltage (AC) | | | 350 | Vrms |
| DWV (AC) | | | 1,000 | Vrms |
| Insulation Resistance | 5,000 | | | MOhms |

Mechanical Specifications

| | |
|-------------|--------------------|
| Size | |
| Length | 0.6 in [15.24 mm] |
| Width/Dia. | 0.21 in [5.33 mm] |
| Height | 0.4 in [10.16 mm] |
| Weight | 0.009 lbs [4.08 g] |

Material Specifications

| Description | Material | Plating |
|-------------|----------|---------|
| Contact | Brass | Gold |
| Insulation | PTFE | |
| Body | Brass | Gold |

Environmental Specifications

| | |
|--------------------|-------------------|
| Temperature | |
| Operating Range | -65 to +125 deg C |

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

Plotted and Other Data

Notes:



Configuration:

- Slide-On BMA Plug Connector
- 50 Ohms
- Right Angle Body Geometry
- Surface Mount Interface Type
- Solder Attachment

Features:

- Operating Frequency of 6 GHz Max.
- Blind Mate Connector
- Gold Plated Brass Contact
- Low-Engagement Force

Applications:

- General Purpose Test
- PCB Applications
- Phased Array Systems
- Blind Mating
- RF Backplanes
- Rack and Panel
- Base Stations
- Test I/O

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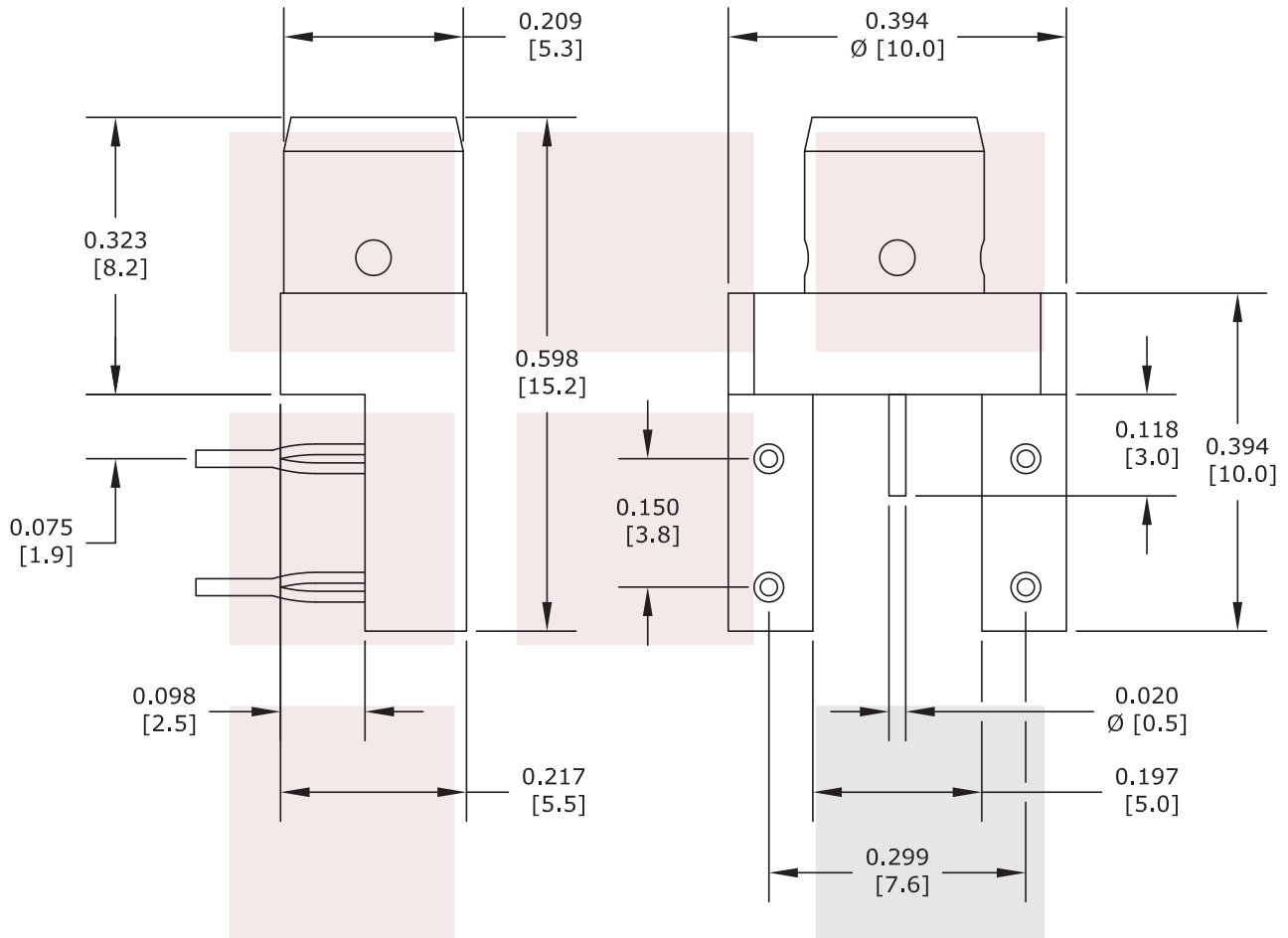
RA BMA Plug Slide-On PCB Connector Surface Mount Solder Attachment from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [RA BMA Plug Slide-On PCB Connector Surface Mount Solder Attachment FMCN1218](#)

URL: <https://www.fairviewmicrowave.com/bma-plug-slide-on-surface-mount-pcb-connector-fmcn1218-p.aspx>

The information contained in 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 any liability arising out of the use of any part or documentation.

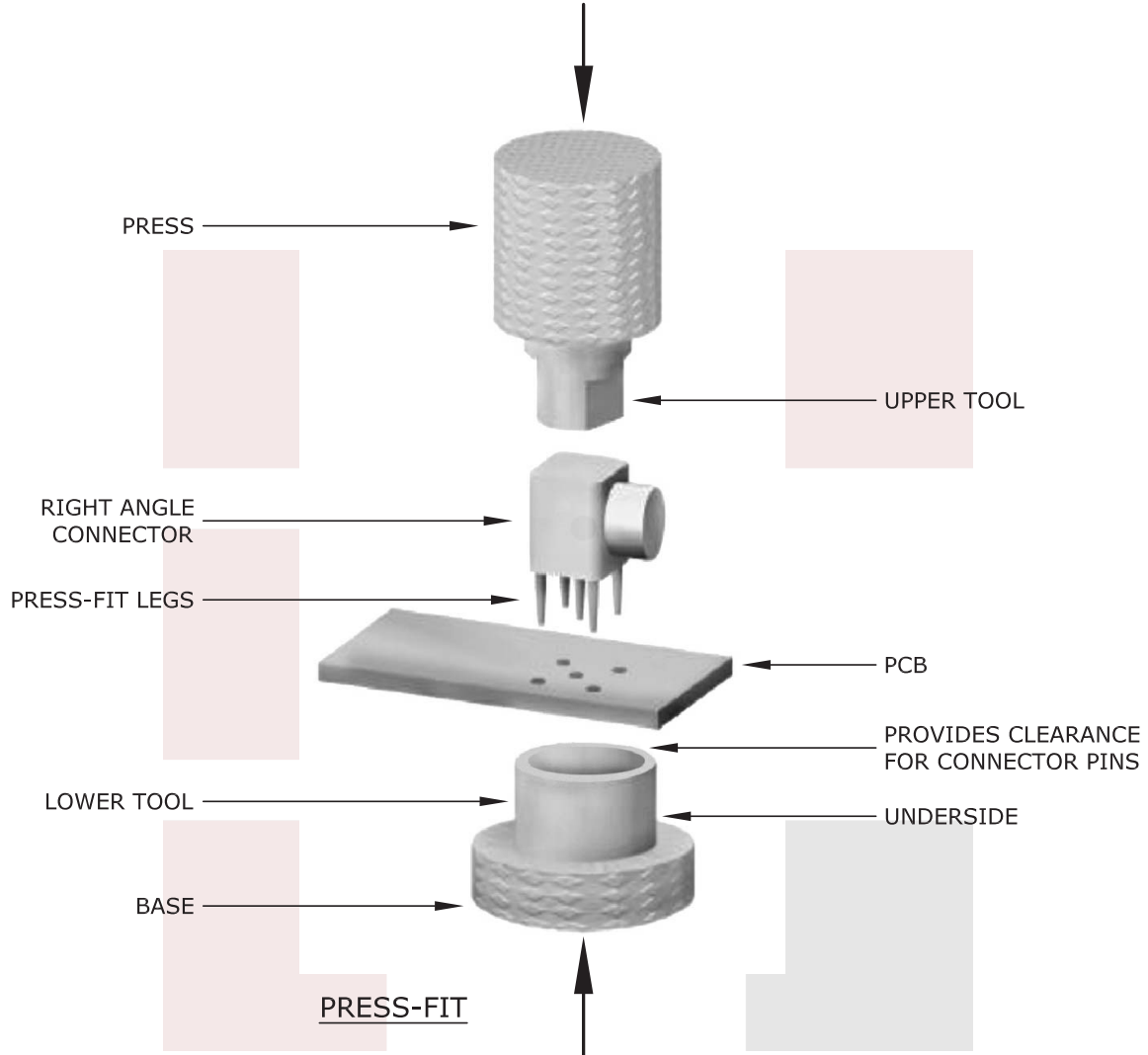




| STANDARD TOLERANCES | |
|---------------------|-------|
| .X | ±0.2 |
| .XX | ±0.1 |
| .XXX | ±0.05 |

*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES

| | | | | | |
|---|--------|---|-------|--------------------|-------------|
| FAIRVIEW MICROWAVE INC. ALLEN, TX 75013 WWW.FAIRVIEWMICROWAVE.COM | | NOTES: 1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL. 2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME. 3. DIMENSIONS ARE IN INCHES [mm]. | | | |
| TITLE RA BMA Plug Slide-On PCB Connector Surface Mount Solder Attachment | | DWG NO FMCN1218 | | CAGE CODE 3FKR5 | |
| CAD FILE | 040317 | SHEET | SCALE | N/A | SIZE A 2233 |



| STANDARD TOLERANCES | |
|---------------------|-------|
| .X | ±0.2 |
| .XX | ±0.1 |
| .XXX | ±0.05 |

*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES

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