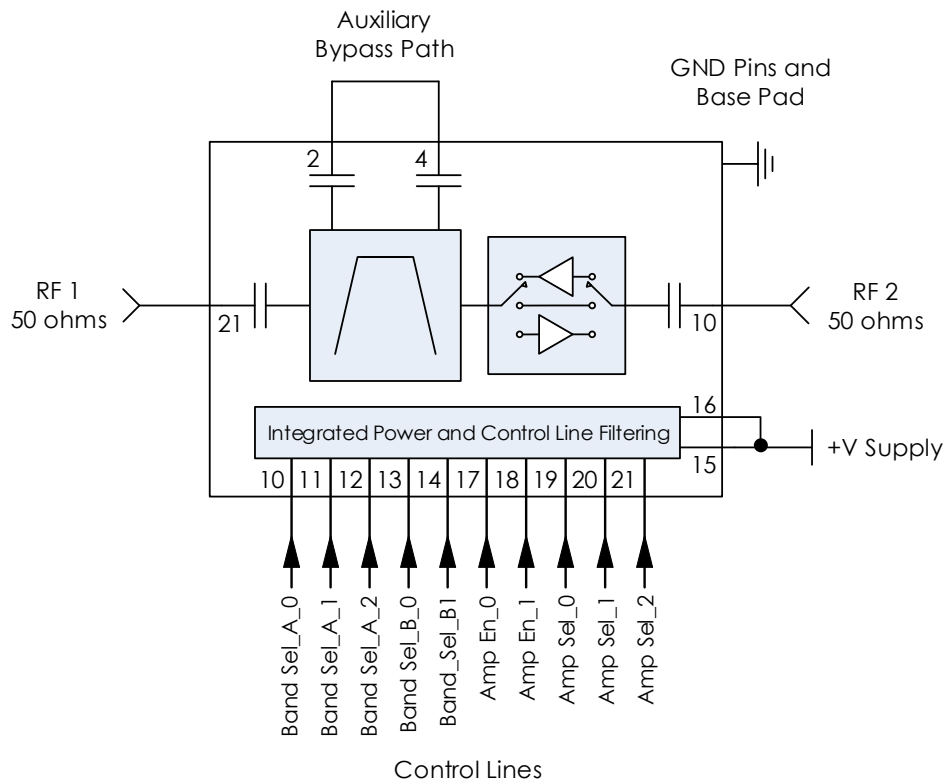## Miniature Transmit / Receive with Sub-Octave Filtering

Typical Application

Notes:

1. RF Aux 1 and RF Aux 2 are optional ports that can be used for external filtering or can be connected together to provide a filter bypass path.
2. Internal RC filtering time constant is 220 ns.

Specifications Subject to Change   *AM3023B App Note Rev 1*

AM3023B Application Note
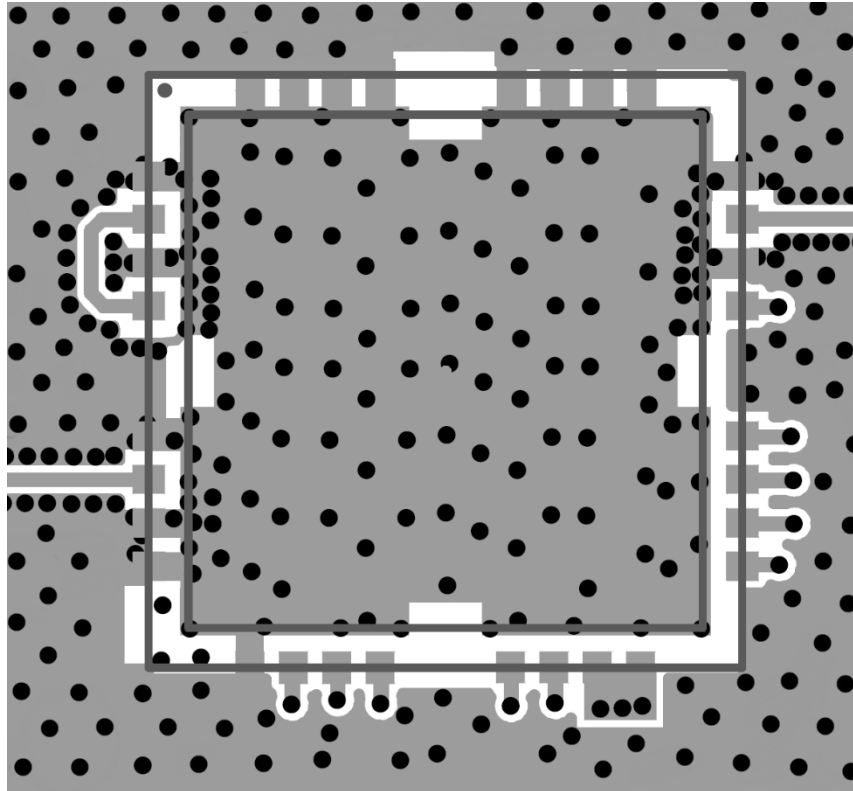## Miniature Transmit / Receive with Sub-Octave Filtering

Recommended Layout

Notes:

1. No power line or control line filtering needed as these are integrated into the IC.
2. Recommended input trace is grounded coplanar waveguide, 50 ohms.
3. IC and RF inputs / outputs should be via fenced.
4. Vias should be placed under IC and GND pads.
5. Vias shown are 10mil hole size with 24mil pad.
6. DC blocks not required as they are integrated into the IC.
7. Should clear ground flood under IC like layout above.
    a. Ground should still flood around CPWG traces.
    b. Ground should still touch all ground pins of IC.

Revision History

Date	Revision Number	Notes
November 11, 2020	1	Initial Release

To obtain price, delivery, or to place an order contact sales@atlantamicro.com
Atlanta Micro Inc., 3720 Davinci Ct, Suite 125, Peachtree Corners, GA 30092 ● Phone: (470) 253-7640 ● www.atlantamicro.com

2

Specifications Subject to Change   AM3023B App Note Rev 1