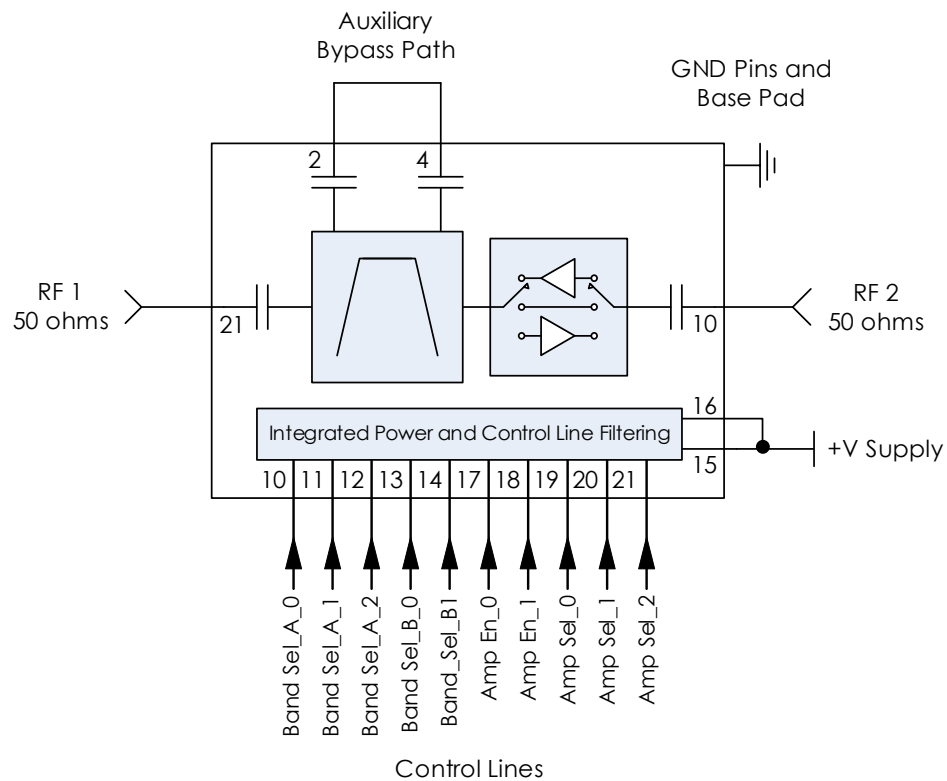
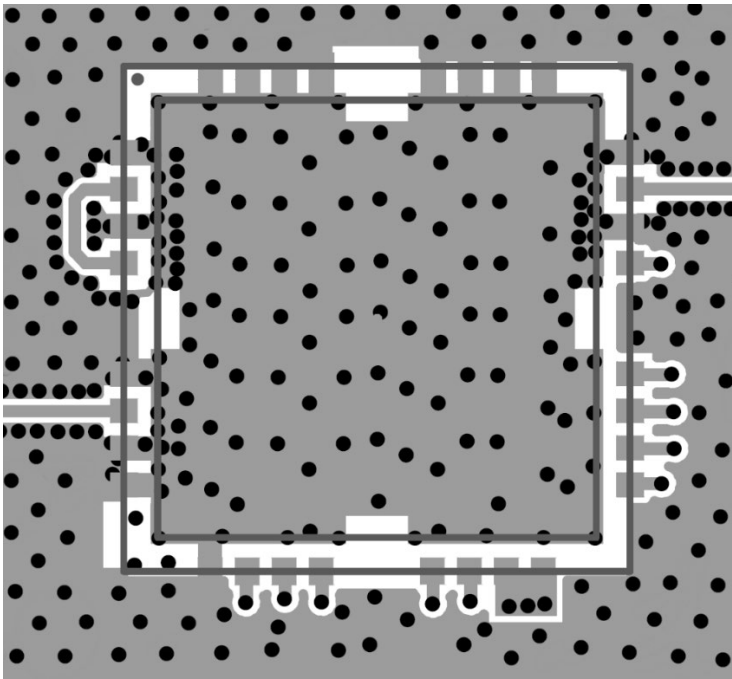


TYPICAL APPLICATION

**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.

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	Notes
November 11, 2020	1	Initial release
July 29, 2024	2	Changed to Mercury branding. No content changes.

For more information, contact: MMICsupport@mrchy.com

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