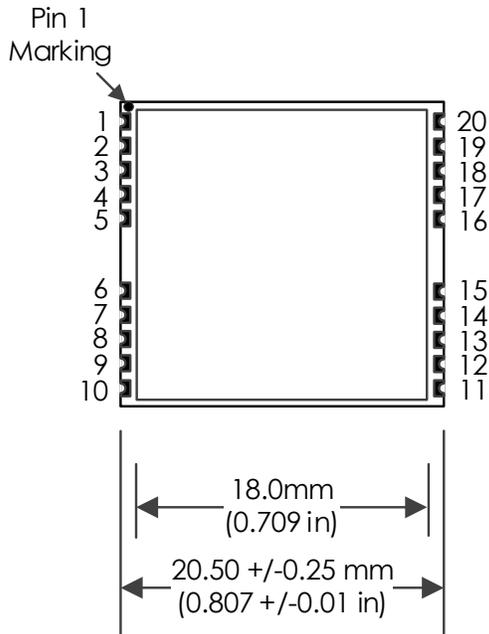
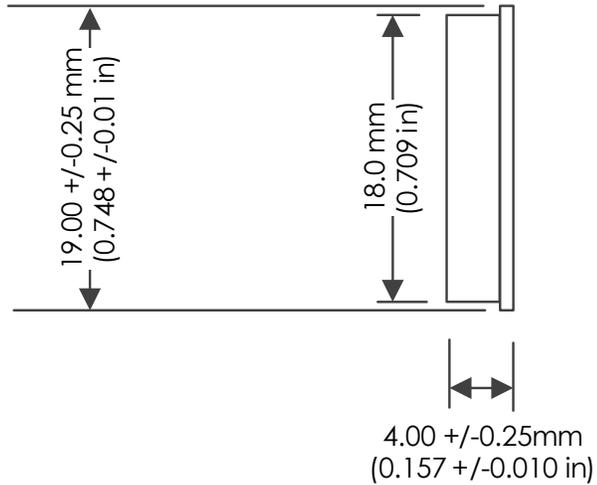


PACKAGE DRAWING

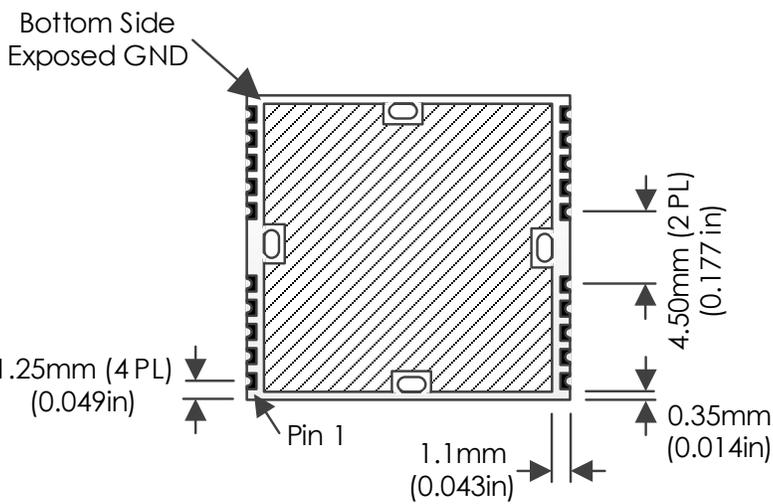
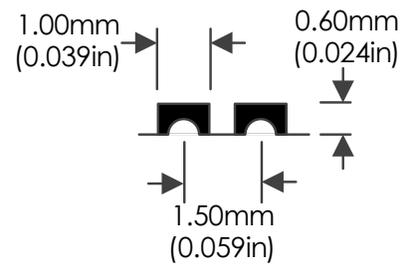
Top View



Side View



Pad and Spacing Detail



Bottom View

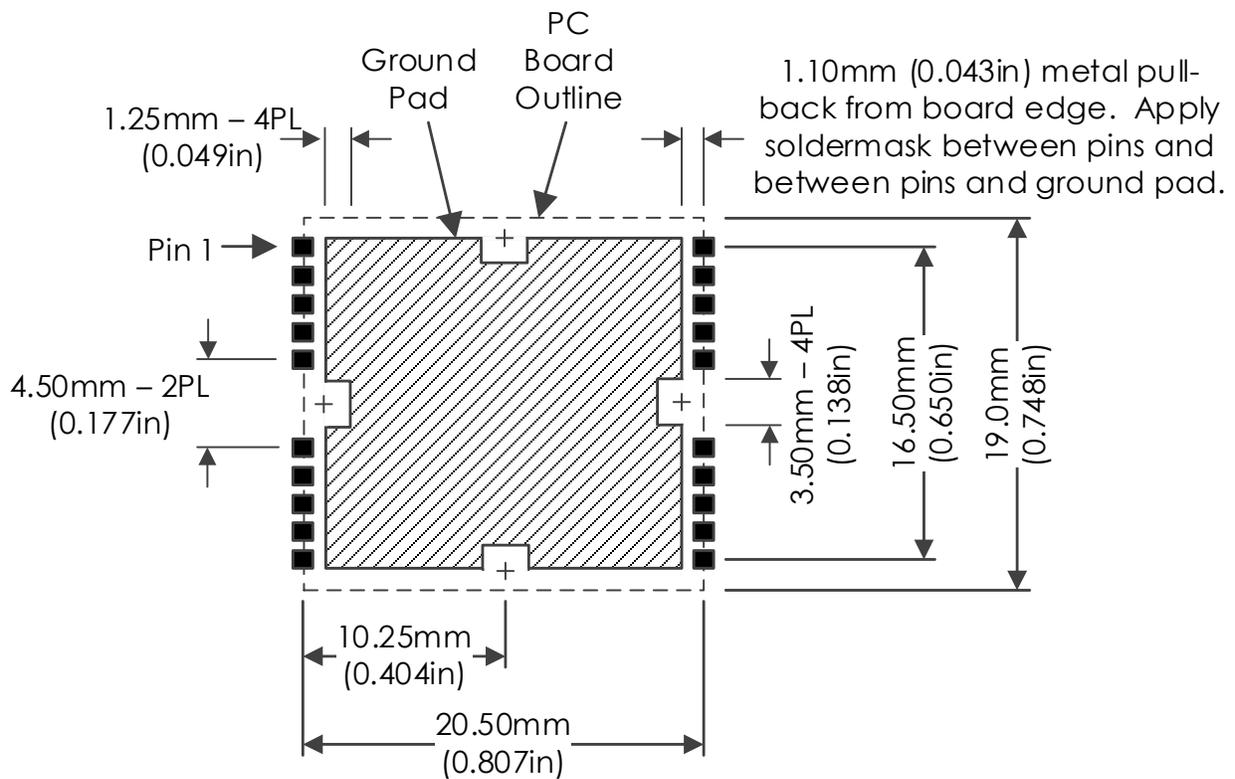
Notes:

1. All dimensions shown are in mm
2. Substrate material: Isola370HR
3. Lid material: Aluminum 6061
4. Lead finish: ENEPIG
 - Ni: 3.00 um minimum
 - Pd: 0.05 um minimum
 - Au: 0.05 um minimum

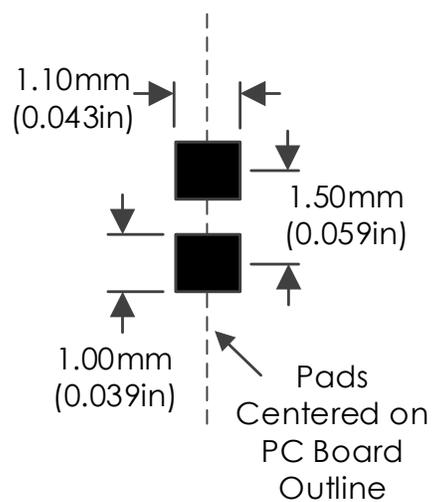
PACKAGE DETAILS

QFN150P1900x2050x400-20 – Metal 19.0mm x 20.5mm 20 Lead QFN

RECOMMENDED FOOTPRINT



Pad and Spacing Detail



PACKAGE DETAILS

QFN150P1900x2050x400-20 – Metal 19.0mm x 20.5mm 20 Lead QFN



RECOMMENDED ASSEMBLY PROCEDURE

It is recommended to attach the bottom side ground pad to the printed circuit board using a highly conductive silver epoxy and then hand solder the 20 pins along the part's perimeter to their intended printed circuit board pads using lead-free solder.

The recommended silver epoxy is MG Chemicals part 8331S and the recommended assembly thickness is 3 to 5 mils.

If the device is to be attached (both the ground pad and perimeter pins) to the circuit board using a typical lead-free solder reflow process reaching temperatures of 260C, the excessive temperature can cause internal parts to the filter bank to reflow and result in damage to the device. If a solder reflow process must be used, it is recommended to use a lower temperature leaded solder profile, typically 225C maximum.

PACKAGE NAMING CONVENTION*

Name Segment	Meaning
QFN	Quad Flat No-Lead
150	Pitch = 1.50 mm
1900	Body Width = 19.00 mm
2050	Body Length = 20.50 mm
400	Height = 4.00 mm
20	Pin Quantity

* Based on the IPC-7351B naming convention.

REVISION HISTORY

Date	Revision	Notes
April 8, 2020	1	Initial Release.
August 18, 2020	1.1	Footprint corrected.
August 13, 2024	2	Changed to Mercury branding. No content changes.

For technical details, contact: MMICsupport@mrchy.com

For pricing details, contact: MMICsales@mrchy.com

The Mercury Systems logo is a registered trademark of Mercury Systems, Inc. Other marks used herein may be trademarks or registered trademarks of their respective holders. Mercury products identified in this document conform with the specifications and standards described herein. Conformance to any such standards is based solely on Mercury's internal processes and methods. The information contained in this document is subject to change at any time without notice.



© 2024 Mercury Systems, Inc. 2-0-2024-08-13-PD- QFN150P1900x2050x400-20