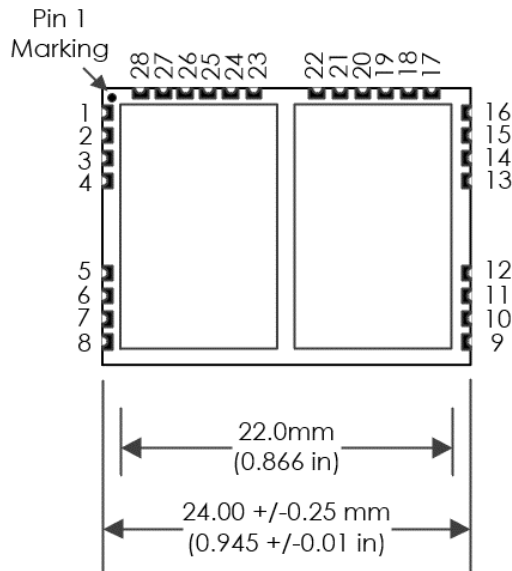


PACKAGE DETAILS

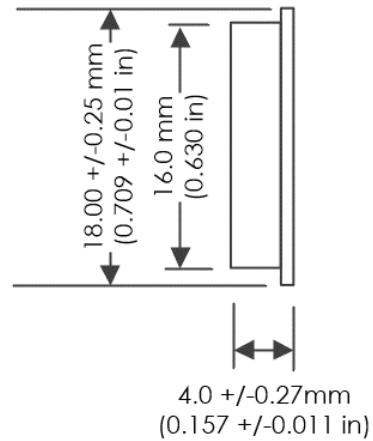
TFN150P1800x2400x400-28 – Metal 18.0mm x 24.0mm 28 Lead QFN

PACKAGE DRAWING

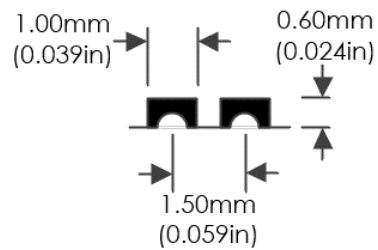
Top View



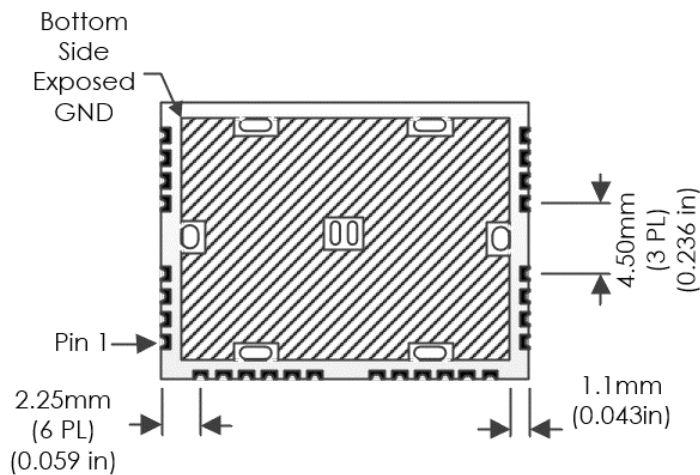
Side View



Pad and Spacing Detail



Bottom View



Notes:

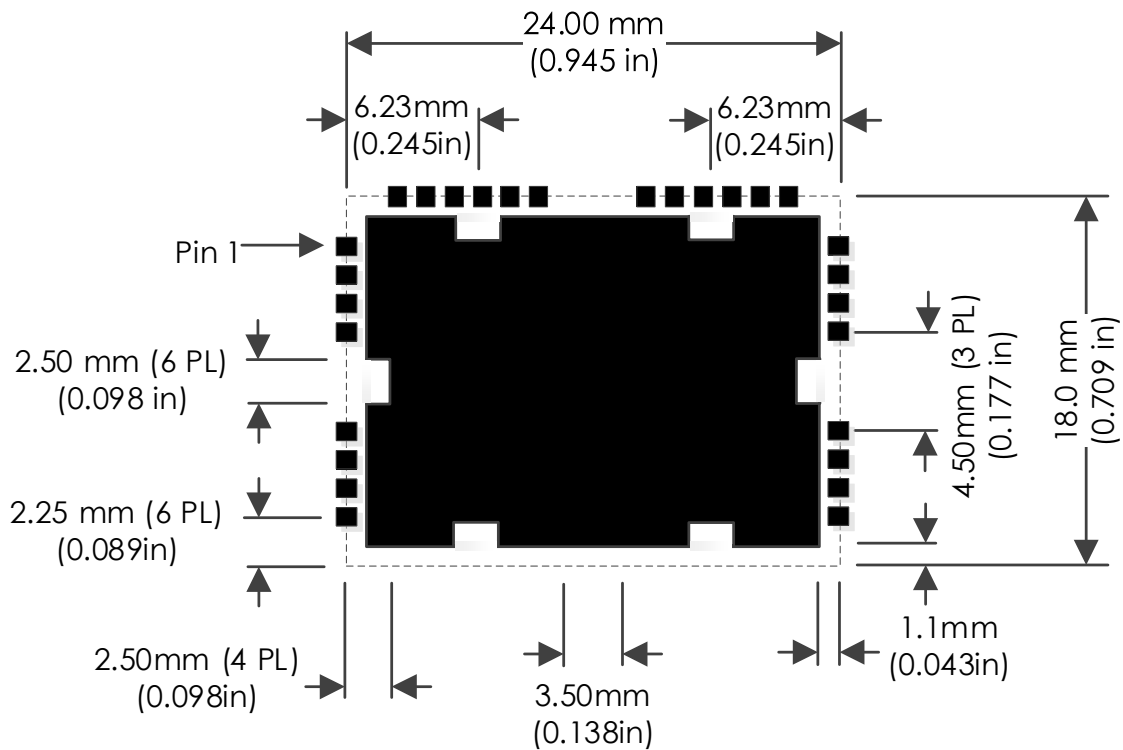
1. All dimensions shown are in mm
2. Substrate material: Isola 370HR
3. Lid Material: Nickel Silver Alloy
4. Lead finish: ENEPIG
 - Ni: 3.00 um minimum
 - Pd: 0.05 um minimum
 - Au: 0.05 um minimum

PACKAGE DETAILS

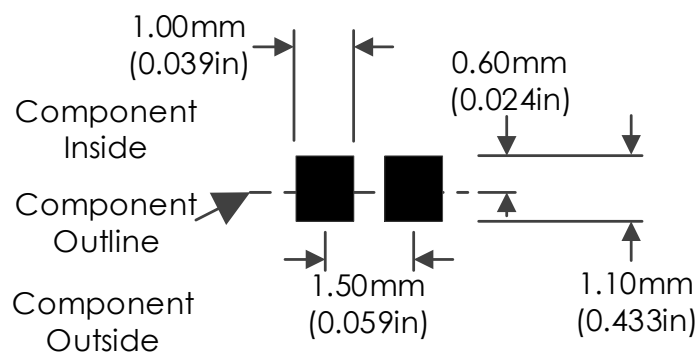
TFN150P1800x2400x400-28 – Metal 18.0mm x 24.0mm 28 Lead QFN



RECOMMENDED FOOTPRINT



Pad and Spacing Detail



PACKAGE DETAILS



TFN150P1800x2400x400-28 – Metal 18.0mm x 24.0mm 28 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 28 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
TFN	Three-Sided Flat No-Lead
150	Pitch = 1.50 mm
1800	Body Width = 18.00 mm
2400	Body Length = 24.00 mm
400	Height = 4.00 mm
28	Pin Quantity

* Based on the IPC-7351B naming convention.

REVISION HISTORY

Date	Revision	Notes
October 7, 2020	1	Initial Release.
April 21, 2021	1.1	Package Drawing Dimensions Corrected.
March 4, 2024	1.2	Corrected Lid Material to be Nickel Silver.
August 13, 2024	2	Changed to Mercury branding. No content changes.

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