
Reflow Plate

Release MAIN-844f9fb

Sidings Media

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This reflow board, inspired by [AfterEarthLTD](#)¹ aims to provide an easy way to quickly and cheaply reflow SMD PCBs.

¹ <https://github.com/AfterEarthLTD/Solder-Reflow-Plate>

MODULAR STRUCTURE

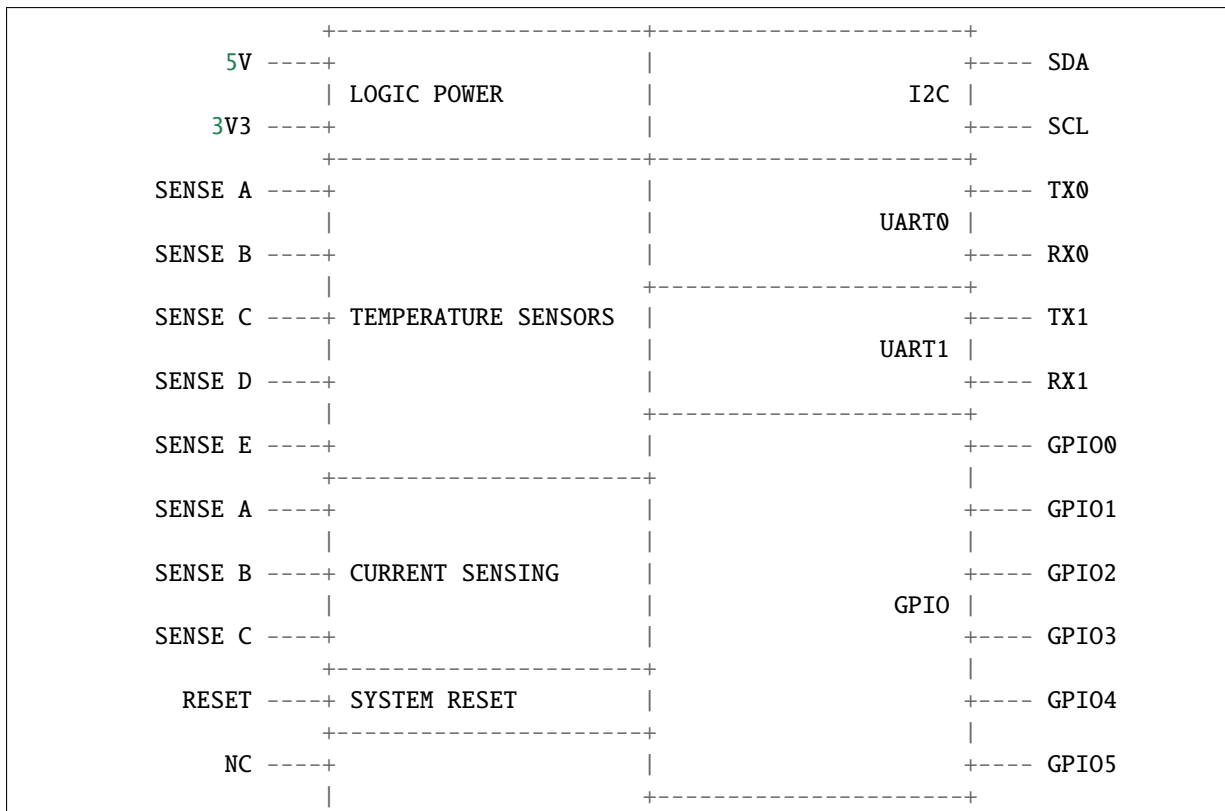
1.1 Overview

This version of the PCB based reflow plate aims to be as modular as possible to allow for many configurations and parts to be replaced. There are 5 main boards in the project:

- MCU board
- Power board
- I/O board
- Heating board
- Backplane

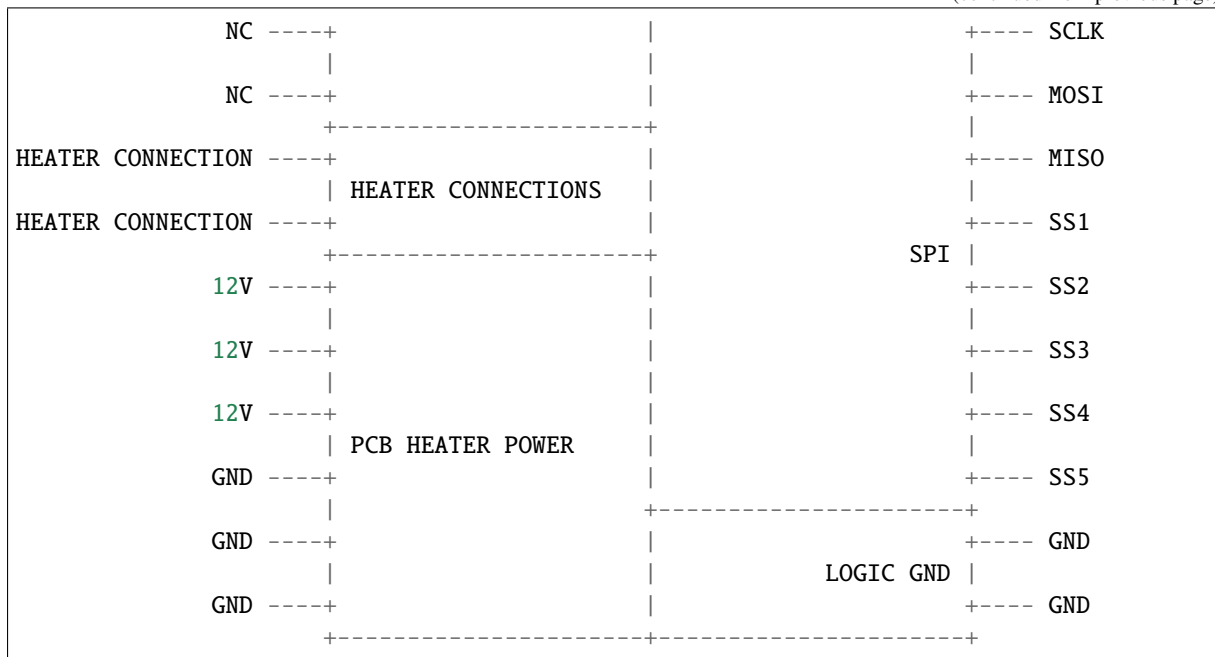
1.1.1 Pinout

Each of these boards interconnect in order to create a fully functional reflow plate. The boards are stackable allowing for multiple boards to be added. The standard interface between the boards is shown below.



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1.1.2 Mechanical Specifications

In order to maintain mechanical compatibility between all boards, a specification has been created to stipulate the positioning of the inter-board connections. The headers have been set at the spacing of a standard 2.54mm breadboard allowing for easy development of custom boards without the cost of PCB manufacture.

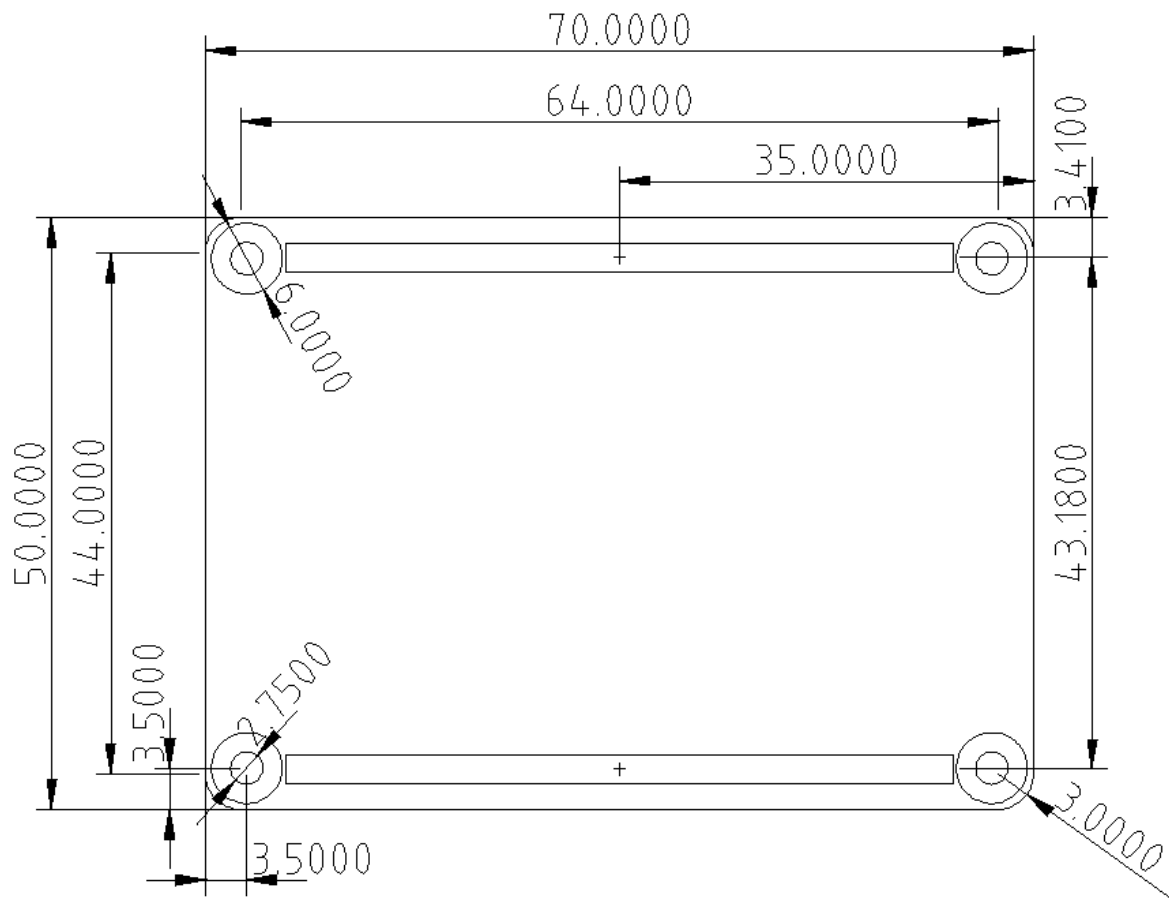


Fig. 1: The mechanical drawing of the stackable board.