

Lab Entry – 2026-01-09

Metadata

- Date: 2026-01-09
- Project: Off Grid Solar Battery Charger
- Board / Rev:
- Scope:

Objective

Solder INA219 break out PCB and run continuity test.

Setup

Use soldering iron and Klein digital multimeter. Use flux to help solder flow and prevent over heating. Use isopropyl alcohol to clean up left over flux.

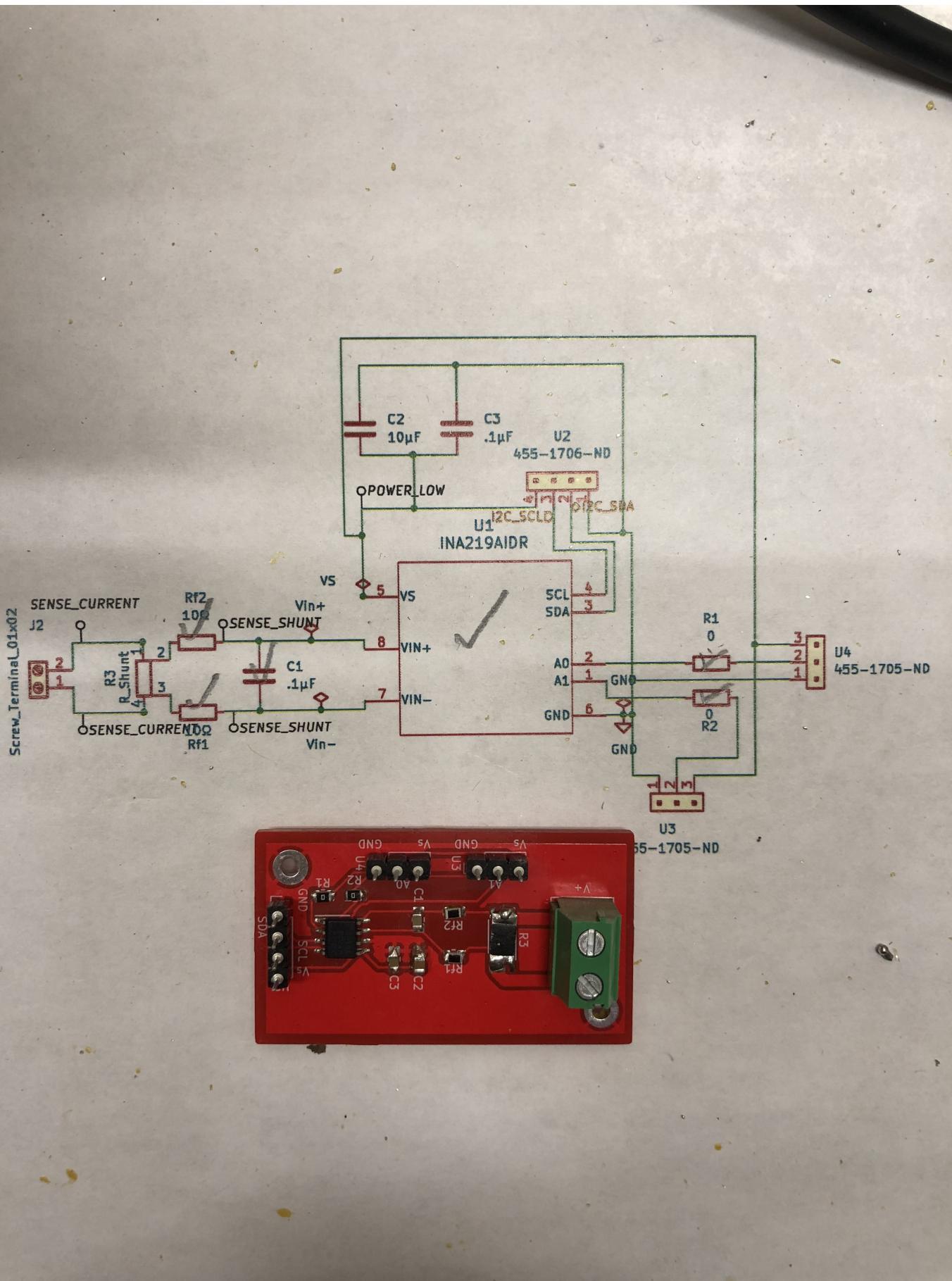
Measurements

Use the continuity function to test solder points to verify a solid connection and check for shorts.

Scope Captures

N/A

Observations



Each input passed continuity test.

Next Steps

Verify that the PCB function by running a quick test with a microcontroller to see if we can communicate with the INA219 chip using I2C. If Chip ACKS our request, calibrate and test the functionality using a 9V battery and and 100 ohm resistor.