

ECEN 404 Progress Report

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(Winter Break - 1/16/24)

- No progress was made during the winter break
- The milestones for the coming few weeks include fixing the ADC communication problem that is caused by doing wrong routing. Solution to this is opening the circuit in between the ADCs and shorting the open ADC to an open male pin.
 - Rerouting the board to make the heating resistor not collide with the thermistor resistance.

(1/16/24 - 1/25/24)

- Cut the trace and shorted a wire to fix the ADC communication. Problem with the communication of the clock where it is not a square signal which is caused by a unintentional short.
- Milestone is to try to fix the heating element and start routing the new board iteration.

(1/25/24 - 2/1/24)

- Started new board iteration, pausing for more research on heating element and how to approach applying it. Heating element still did not work but may be due to insufficient resistor.
- Milestone is to complete the routing and send the board for fabrication. While the board is fabricating, taking inventory of parts and ordering new parts that are needed. Also programming existing board to try and communicate to set up for the new board.