

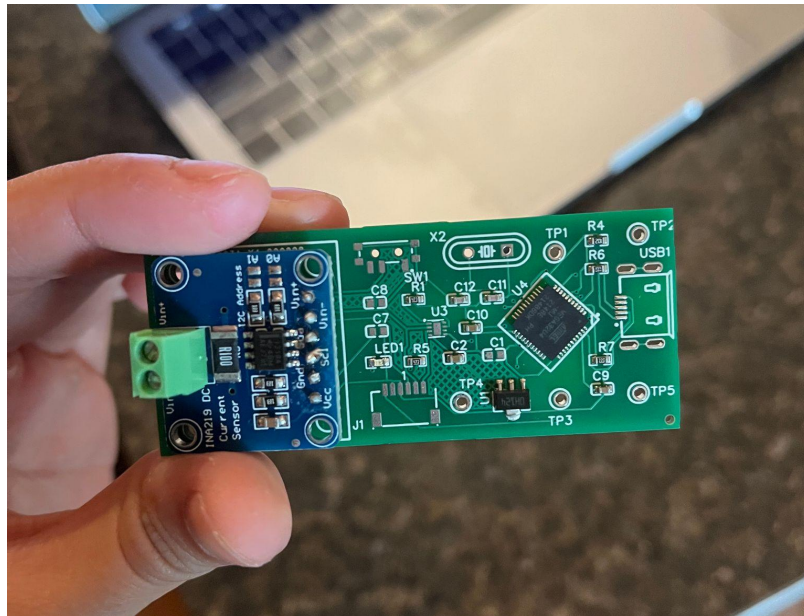
Keegan Bess
March 17, 2022

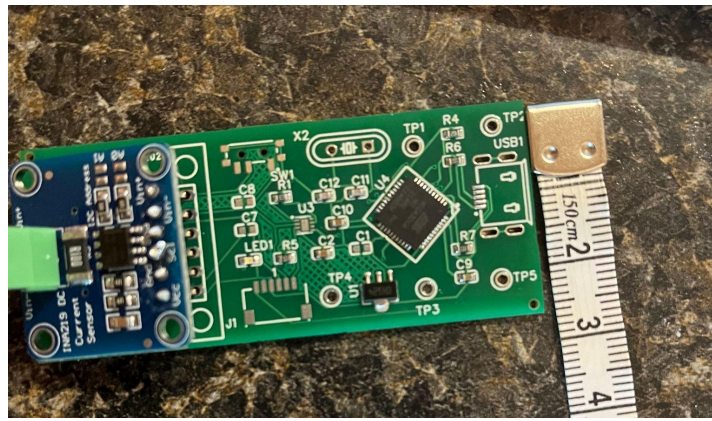
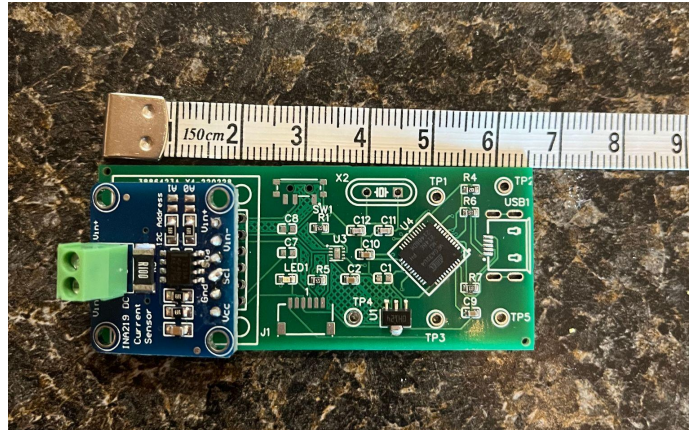
Meeting 2/17

Spring Break Week:

During spring break I finished writing my paper which is attached in this email. It is a 9 page preliminary report for this project and is considered the rough draft of my final research paper for this class which is due towards the end of April. Going forward when writing that paper I would like to include work of the entire team and not just the pcb development as this ultimately is a group project but just with students that are not in my class. It would also I think fit better with my final presentation to talk about all updates on this prototype both the design and the testing components.

I got the PCB and was able to look over and ensure that the design of it matched the one that I submitted for fabrication. However, the parts I ordered around mid february where back ordered and I didn't get to assemble everything. Based on the delivery as of this morning, I should receive the last of my parts this weekend to assemble as I paid extra for quicker shipping. The parts in specific were the micro usb and the 6 pin header. As soon as I get the usb on I can code up the microchip and then start testing from there which I really am hoping will be next week as I've had so much back and forth from companies.





This coming week:

Once I get all of the parts soldered on the PCB I can immediately begin programming the microchip and performing testing. I want to first ensure that power is being supplied properly throughout the entire pcb using the test points on the PCB. Then once programmed I can actually test it with the apparatus and motor as a whole.

The only big assignments I have going forward are a final report and presentation due in mid April so I do plan to dedicate a significant time this next week testing as much as I can given the parts do arrive on time, I will hopefully be assembled and tested by next week. I also would like to work more on writing my final report which is predominantly editing the preliminary report and adding an impact section to the paper. I would preferably like to write more about design and background so if there's any resource/research that I have not already been provided that would help me write my paper that would be great.

Also going forward I would like to write things externally about this project as a sort of hand off document. As I will not be continuing this project past this semester I want to make it as easy as possible to read and find all of my documentation, materials used, testing and parts so it will be as smooth of a transition as possible.