

# 1st ProtoTAU EEES Meeting

## Introduction

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### Goals (informal)

- Get the PCB actually done and assembled.
  - Document as much as we could and *should*.
  - Make it future-proof
  - Get a system created so Data and Telemetry people have something to actually do and should.
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### Goals (formal)

- Finish the KiCAD schematic of the electronics
  - Check up the PCB creation and ask for feedback from professors.
  - Waiting the delivery of the components and assembly tools
  - Agree on the foundation how we will design the system
  - [Follow the proposed plan and adapt it without much sacrifice](#)
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### Optional goals

- Unify our documentation in own made home server and host the webserver for it (Obsidian).
  - [Learn how to make our own motor \(for people who have courses in this especially ie. MechElec, EEE and Electrical Engineers\)](#).
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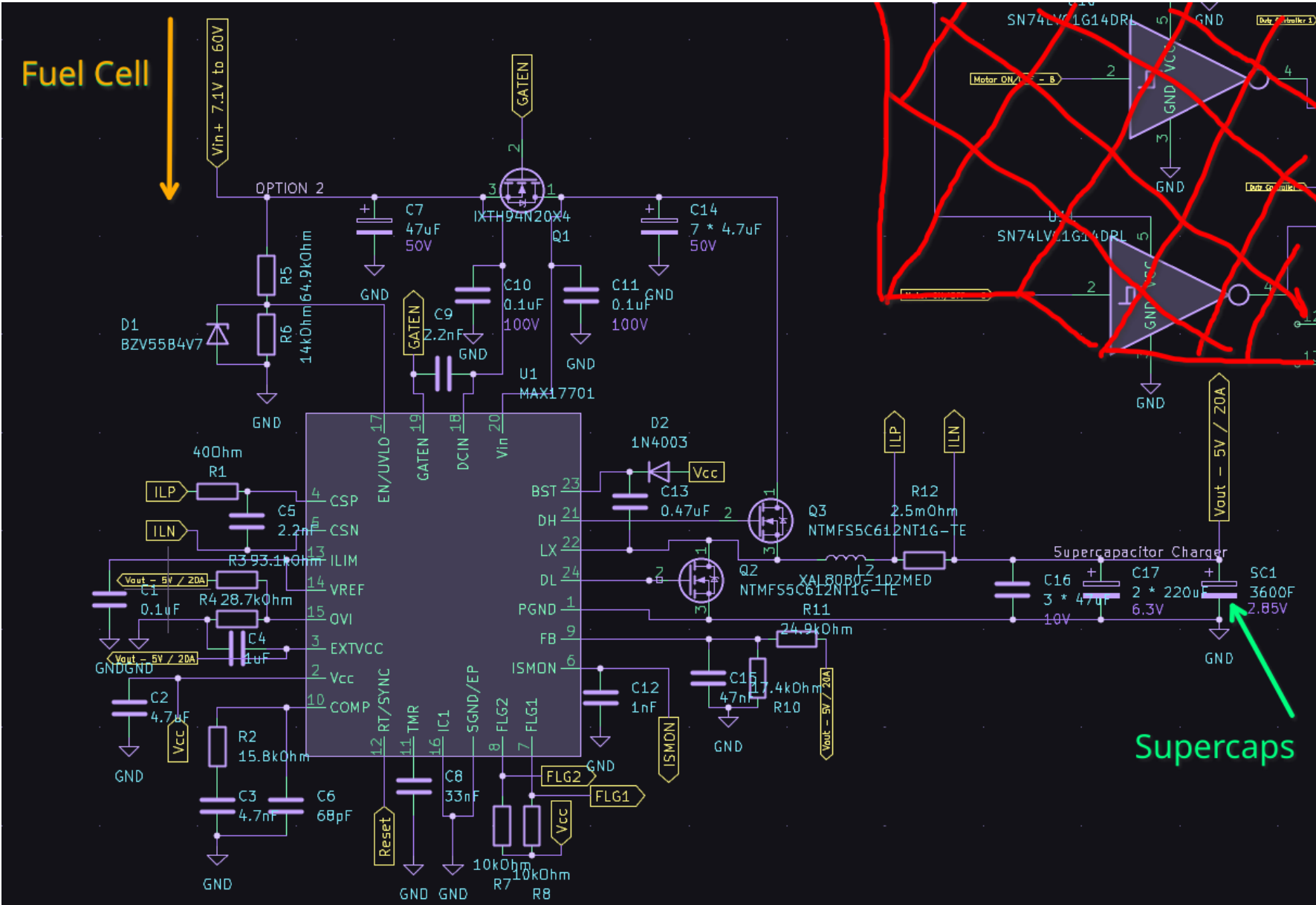
### Risks and "Elephants in the room"

- Does the motor ***actually*** work.
  - Some solutions are now in purely followed by datasheets and thus we may or may not know the reality of the matters at hand.
  - We may need to have to outsource ourselves to other teams as they also need EEES advice on the matters.
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### System

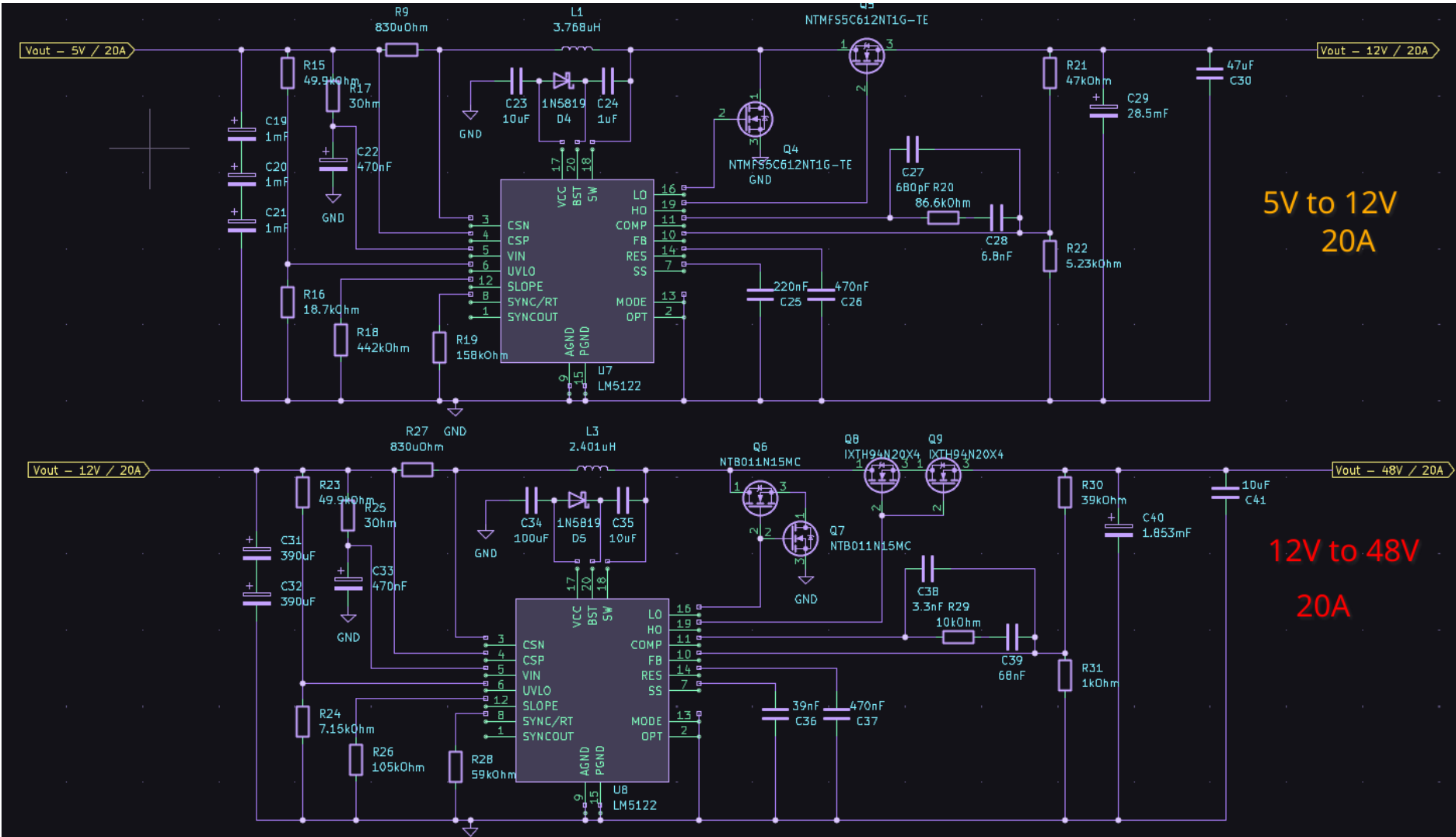
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### Charging System



[Documentation](#)

## Voltage Step-Up

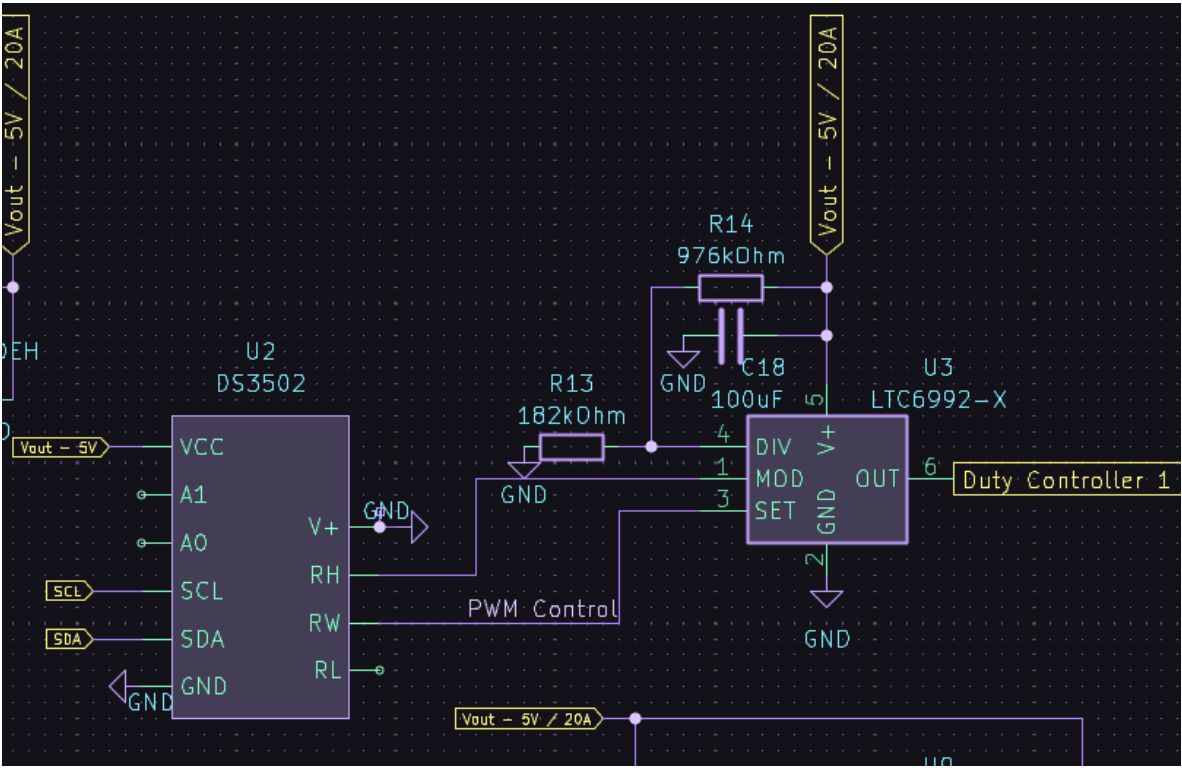


[Documentation](#)

[Power Bench](#)

## Phase Controller

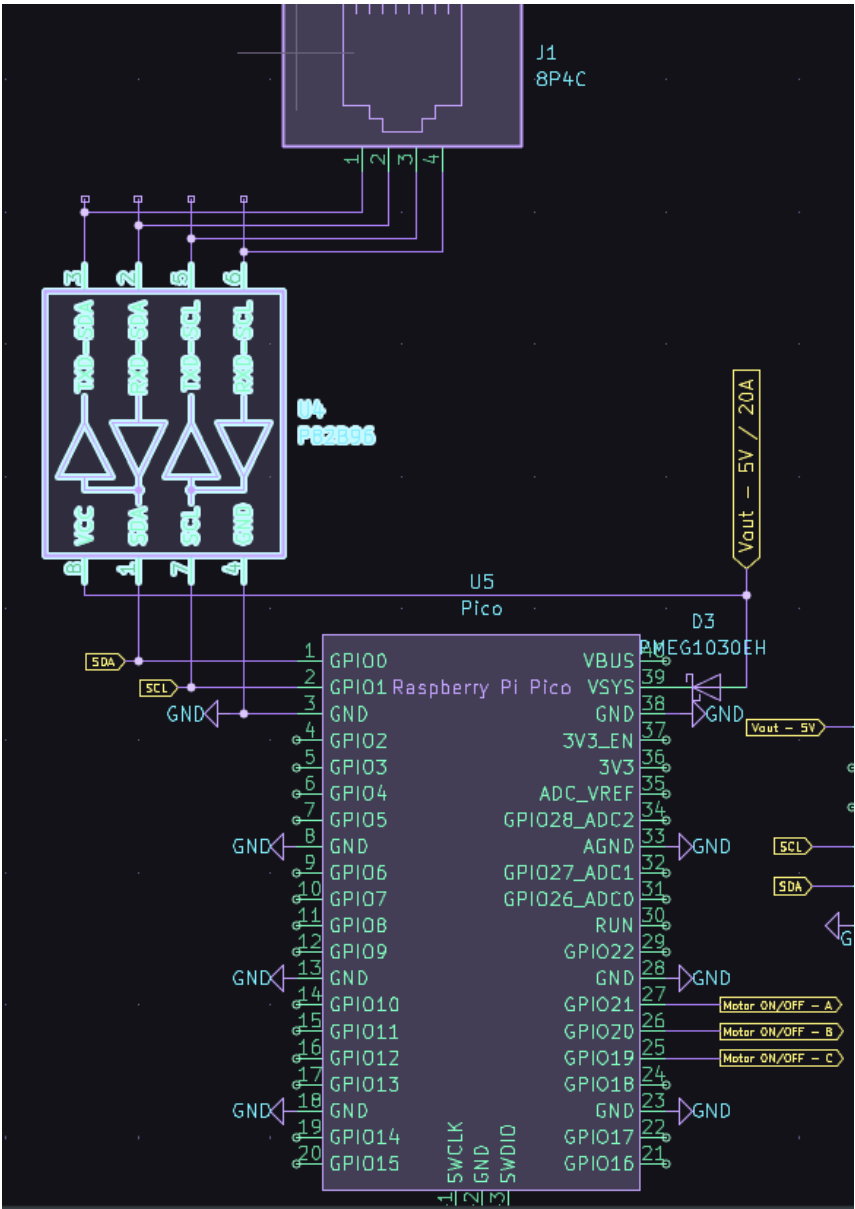




[Modulator Documentation](#)

[Digital Potentiometer Documentation](#)

## Microcontroller and I2C



[Microcontroller Documentation](#)

[Active Terminator](#)

## Questions?