

## Members in Attendance

- Josh Mendex (Sponsor/Advisor)
- Nathan Truong
- Felix Moss (LATE BY AN HOUR)
- Annika Boyd
- Eisa Alsharifi

## Agenda

- PCB changes

## Notes

- Significant changes to the PCB by Josh
  - Switching from ESP32 to QT PY
  - Added buffer before the microcontroller (U5)
    - Microcontroller draws significant power, so this is needed
  - Added caps C4 and C5 on positive rail and virtual ground
  - Added C15, C16, C14
  - C5 moved
    - Cap between ground and -4.5V
  - Everything else needs to be routed to the -4.5V (Virtual Ground)
  - QT PY ground connected to the output of the buffer
    - BAT pin on QT PY fed with +4.5V
    - Accidentally burnt out the QT PY by putting 9V
- Only including 1 mesh for the tube
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## Deliverables

- Add hole for cables and slot for 9V battery on PCB box, make mounting holes slightly smaller than PCB holes