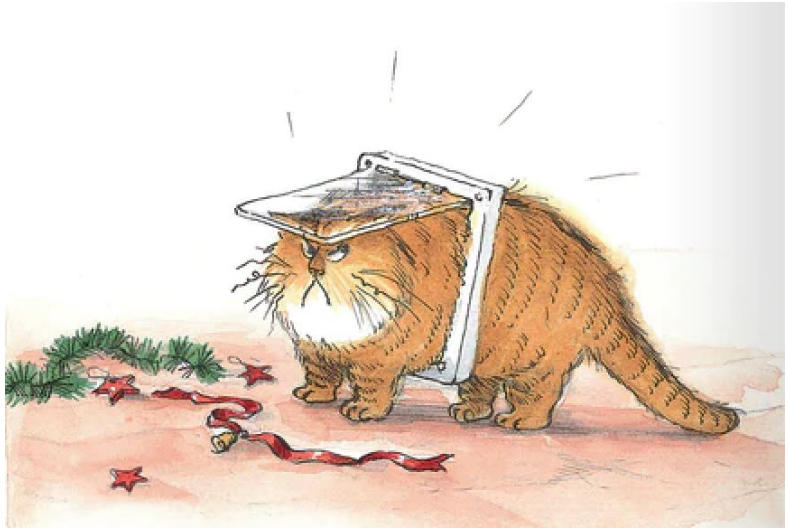
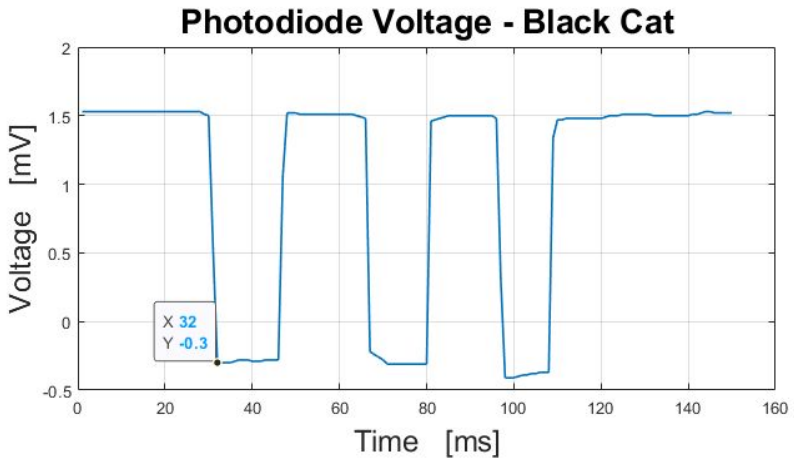
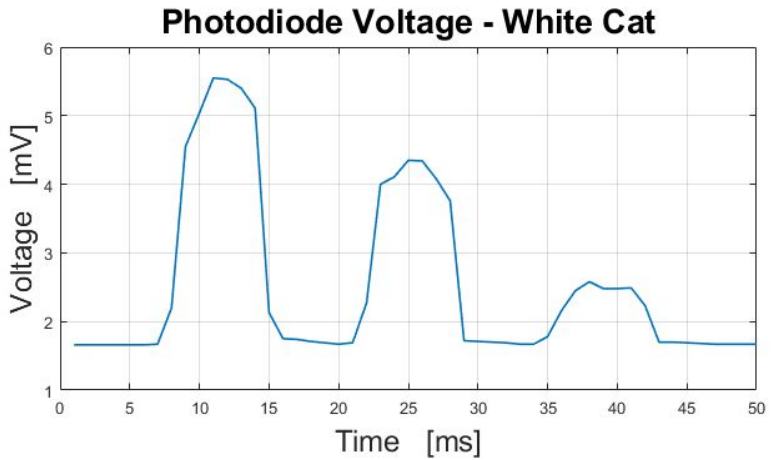
Cat flap



Agnes - IR sensors

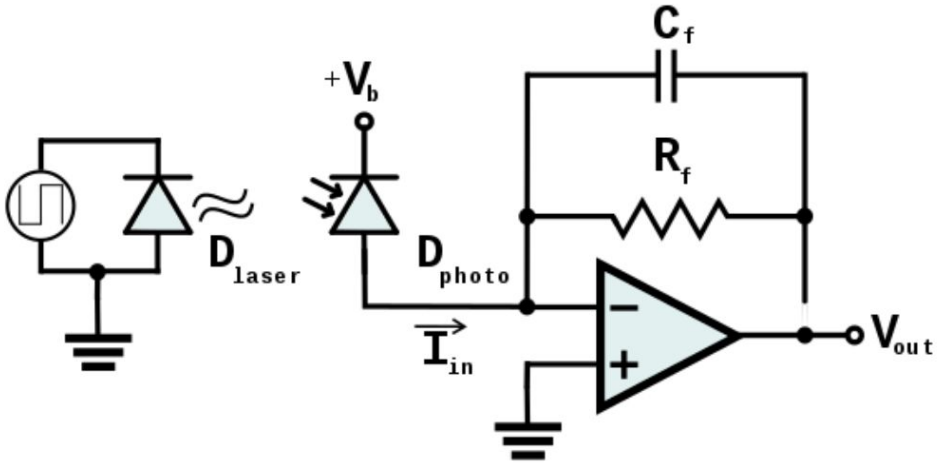
- Rebuilt circuit
  - More research
  - Approved to order amplifier
  - More test data
  - Raspberry PI Pico / Thonny

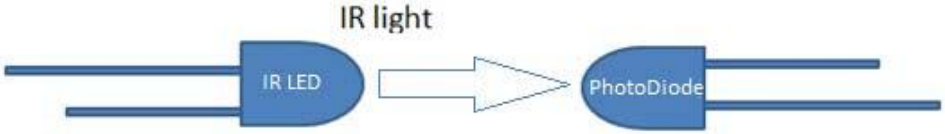


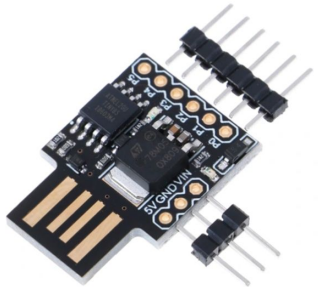


Agnes - IR sensors

- Rebuilt circuit
  - Also tested µA741
- This week:
  - Simulate and design transimpedance amp
  - ATTINY85
  - Build circuit
  - Alternative: Direct positioning of sensor







Nabaz - Application

Research about which framework should be used

- Django, Beeware, Kivy

Writing on the report

- Structure and writing about IR sensors

Jakob & Arvid - Antenna

Circuit design and simulation.

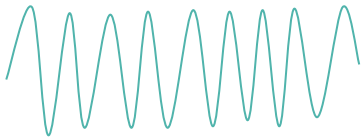
Studying the measurements from the advanced oscilloscope.

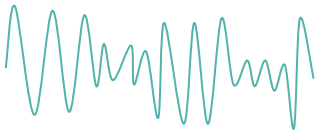
Jakob & Arvid - Antenna

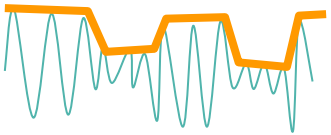
Antenna
Gives power to tag
Picks up changes in load from tag

Envelope follower
Follows the change in load

Amplifier and comparator

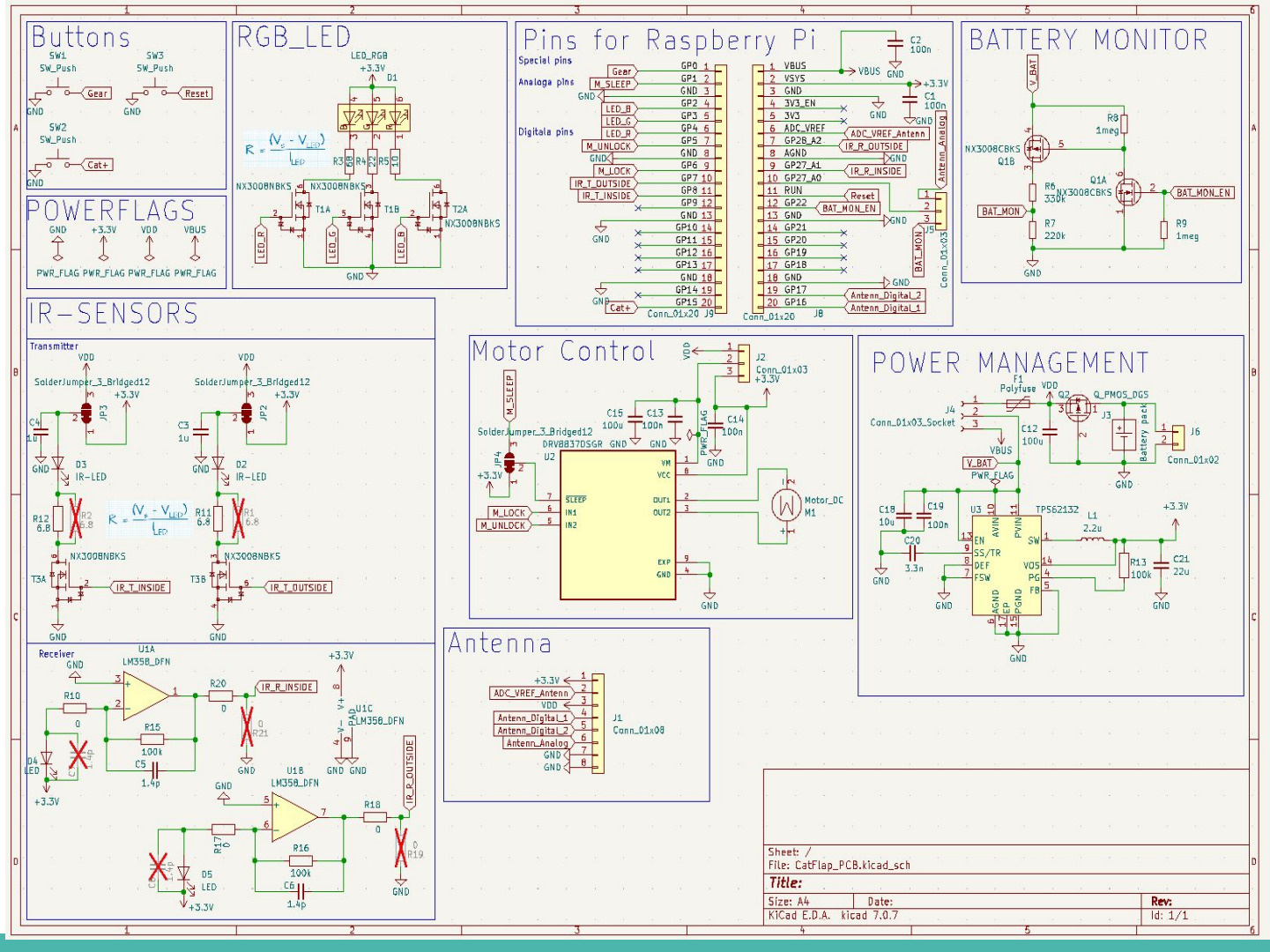






Jakob & Anders

- Done with PCB design.
- Order the PCB.
- Picked & order components.



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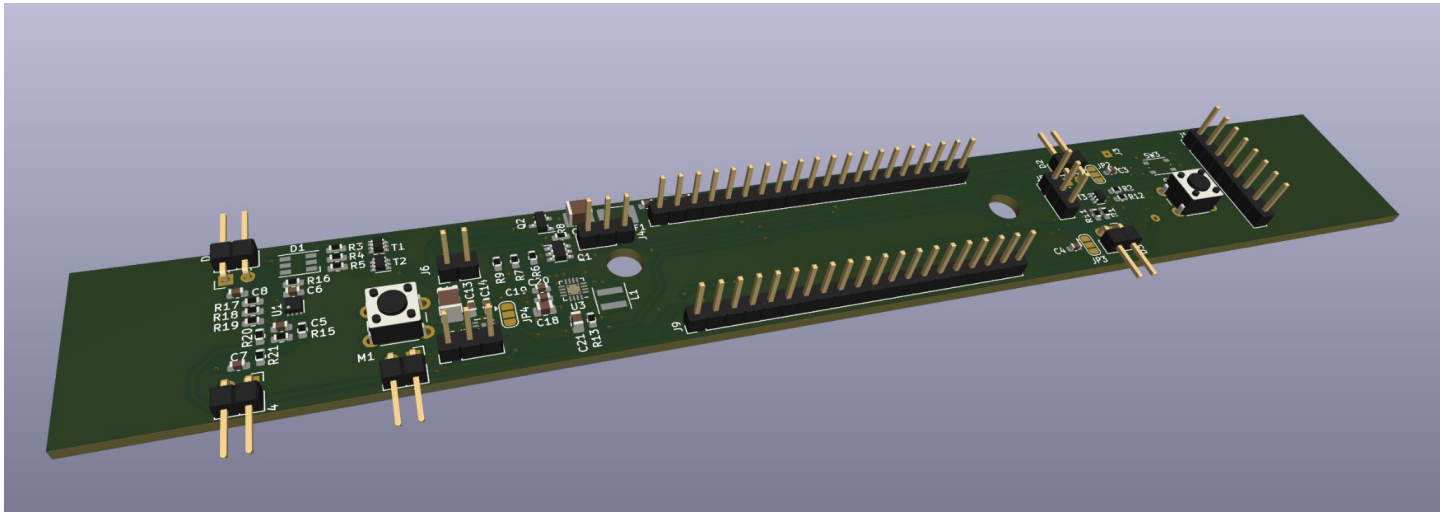
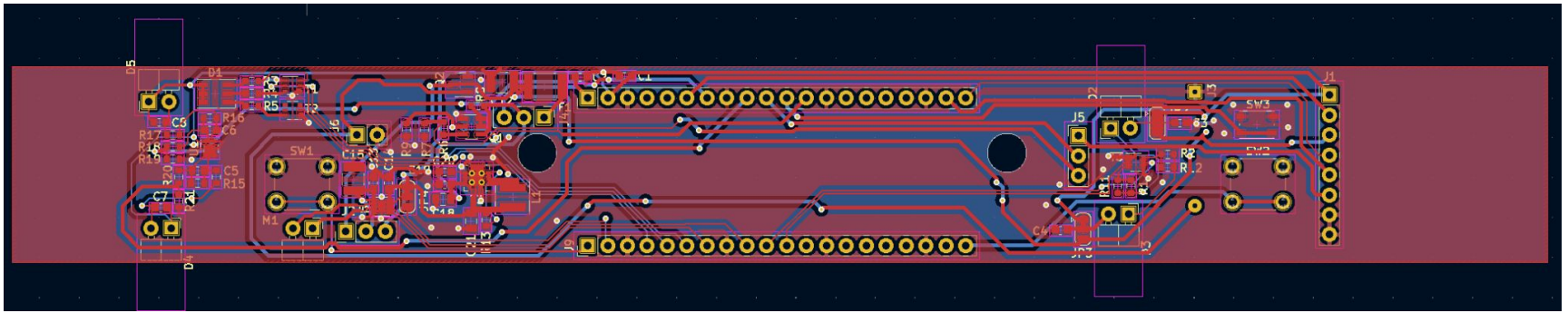


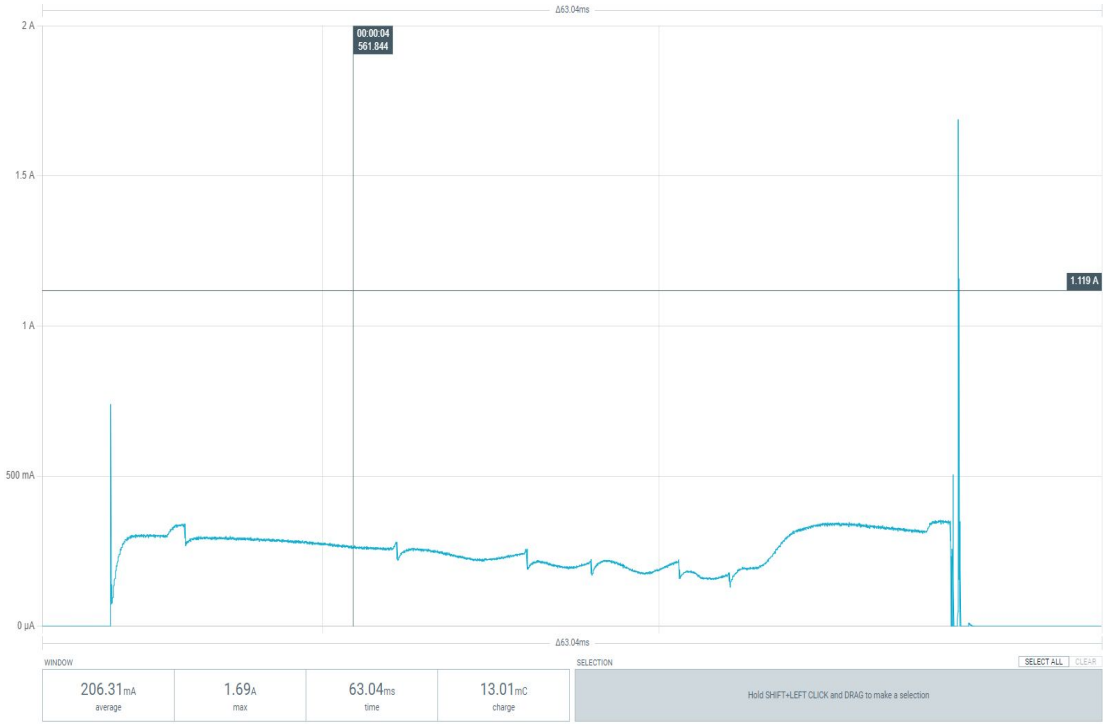


Anders & Matilda

Power Profiler Kit II

Fancy current meter

Logic analyzer



Matilda

- Worked on sending/receiving data from the pi. Half gave up because of relevancy.
- Followed some tutorials to make a mobile app in Python
- Helped Anders with examining the motor using the power profile kit, gotten interesting results, had to hunt down Johan
- Random smaller tasks (planning, report, fixed small things in Git, meetings)

Questions?