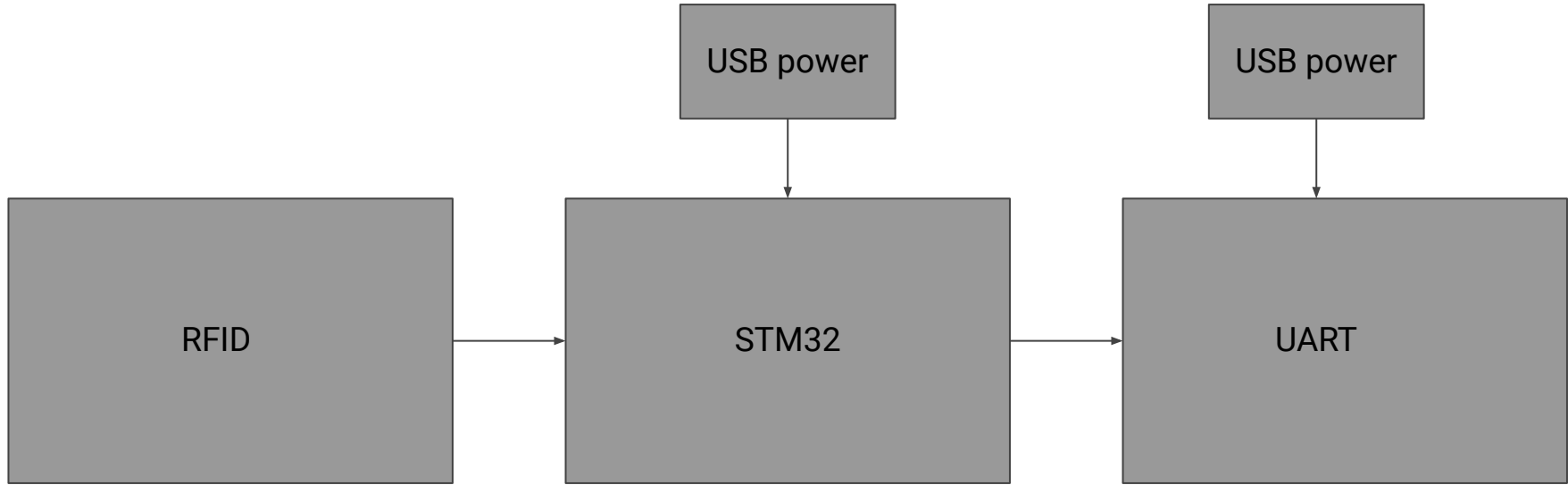


# RFID Scanner with STM32

Jon McHorse

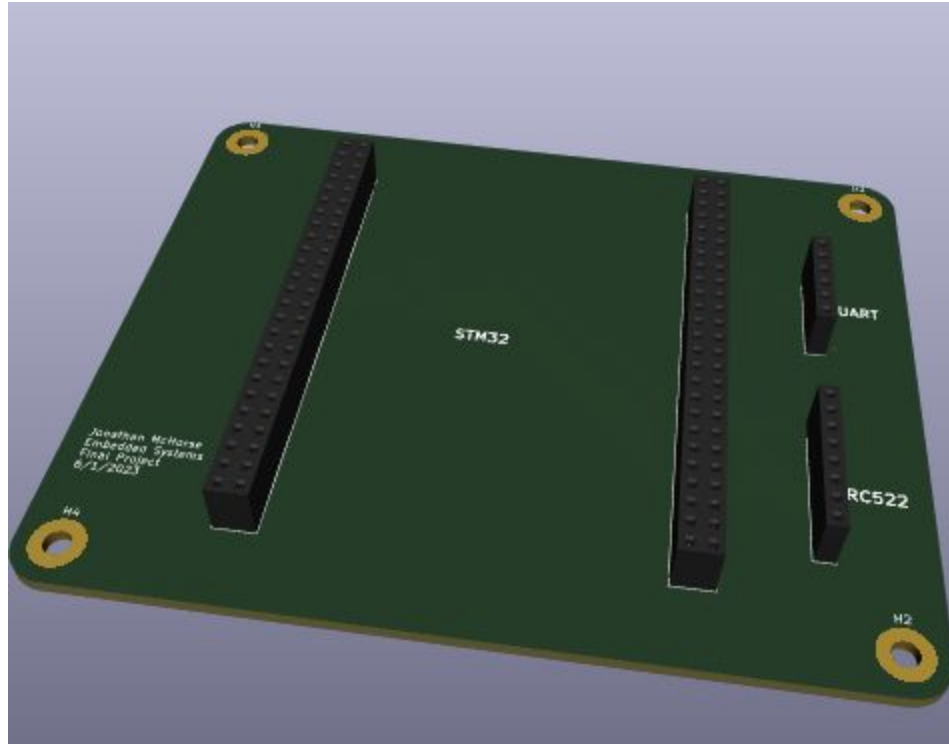
# System Design



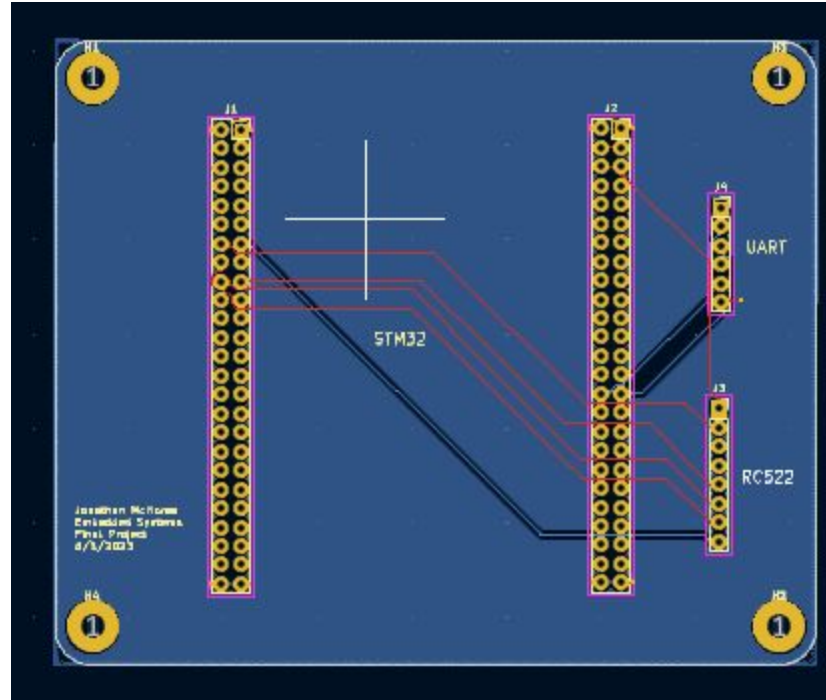
# Prototype



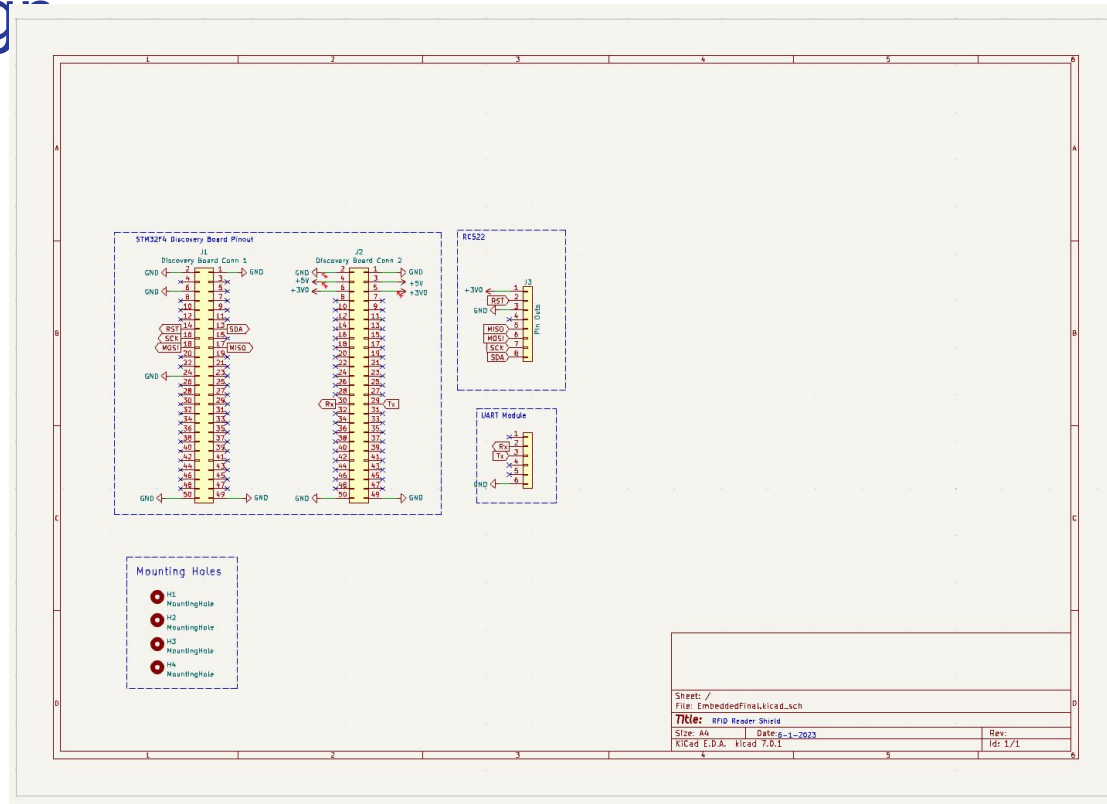
# PCB design



# PCB design



# PCB design



# Software Development

- Tried to use a library off of the internet (used SPI)
- Very confusing
- Key takeaways and further work
  - Learn how to use libraries and .h files
  - Learn more in STM32 IDE



# References

- Reference Project
  - <https://thongrobot.wordpress.com/2017/07/22/stm32f407-rfid-project-full-code/>
- SPI communication library
  - <https://stm32f4-discovery.net/2014/07/library-23-read-rfid-tag-mfrc522-stm32f4xx-devices/>
- YouTube with Arduino
  - <https://www.youtube.com/watch?v=So83sH6-jwM>
- 

