Minutes 2/21

- Pullup resistors
- If not using default pins, Arduino will throw issues
- Serial monitor only showing a constant HIGH
    - Use logic analyzer to troubleshoot before talking to Schafer
        - Should be solved within a couple minutes
    - Arduino program will scan I2C addresses for you
- DC/DC converter
    - CS/mode pin needs HIGH signal
    - Can't power mode pin with that, can we use battery itself?
        - Designed for use with a battery, will have application circuit in spec sheet to show how to wire that up
        - Addressed in spec sheet
- UART/USB converter
    - Is there one in the lab?
        - 3-4 different ones in the lab
    - Libraries in Eagle for them?
        - Yes
    - Not going to have the converter on board
        - Bring it out to 6 pins
- Voltage
    - Can't generate 5 V exactly with batteries
    - No battery combination would reach that value exactly
    - Keep in mind size limitations and where we're mounting it
    - No holder exists for flat lithium batteries
- Using newer silicon better
- Focus going forward is on connecting the board to the server through port forwarding, etc.
- Use online libraries for the temperature sensor
- Hoping that using Wire would know how to interface with the I2C bus
    - Look for library for temperature sensor
    - Example: read_temperature
- Eagle
    - Schematic and board not consistent
        - Have to have synced schematic
        - Schematic > ERC > consistent?
        - Different connections
        - Delete parts and tinker with it to make inconsistencies go away