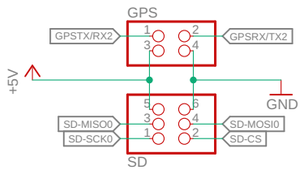
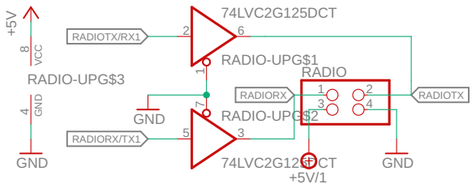
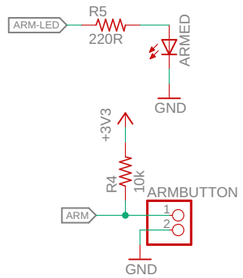
GPS UART port and SD card SPI port with choice of power supply (signal is at 3v3 level, but if there is an onboard 3v3 regulator on the module, just give it 5V)



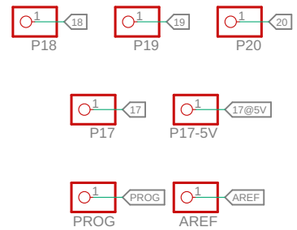
RFD 900+ UART port with 5V signal step-up
Separate 5V regulator to power the radio.



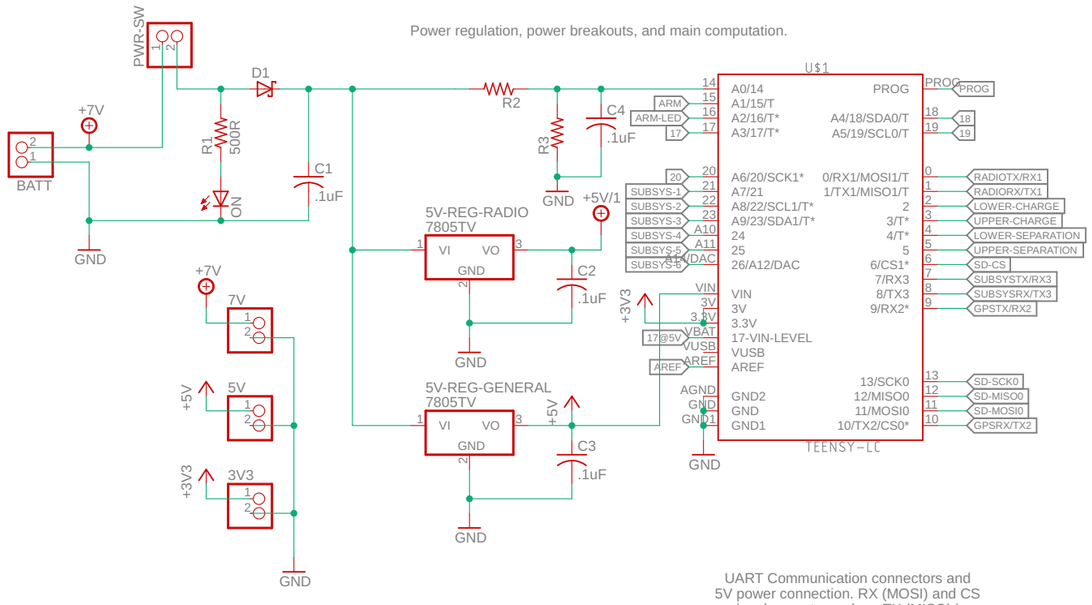
Arm Button: Press and hold right before launch to arm, active LOW. Arm LED will light up when the device has successfully received the signal / is armed for launch.



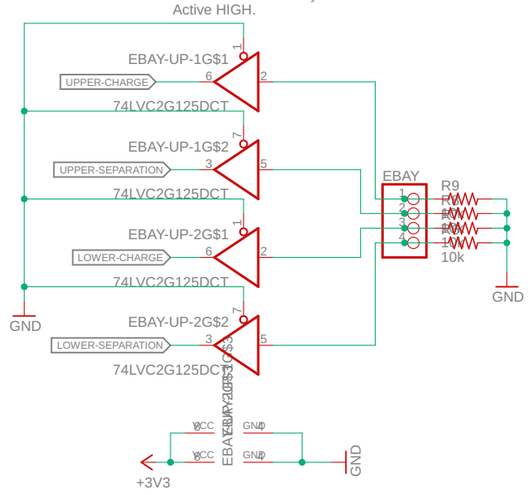
unused pin breakouts.



Power regulation, power breakouts, and main computation.



Step-down circuitry for 4 binary signals coming from the electronics/avionics bay.
Active HIGH.



UART Communication connectors and 5V power connection. RX (MOSI) and CS signals are stepped up, TX (MISO) is stepped down.