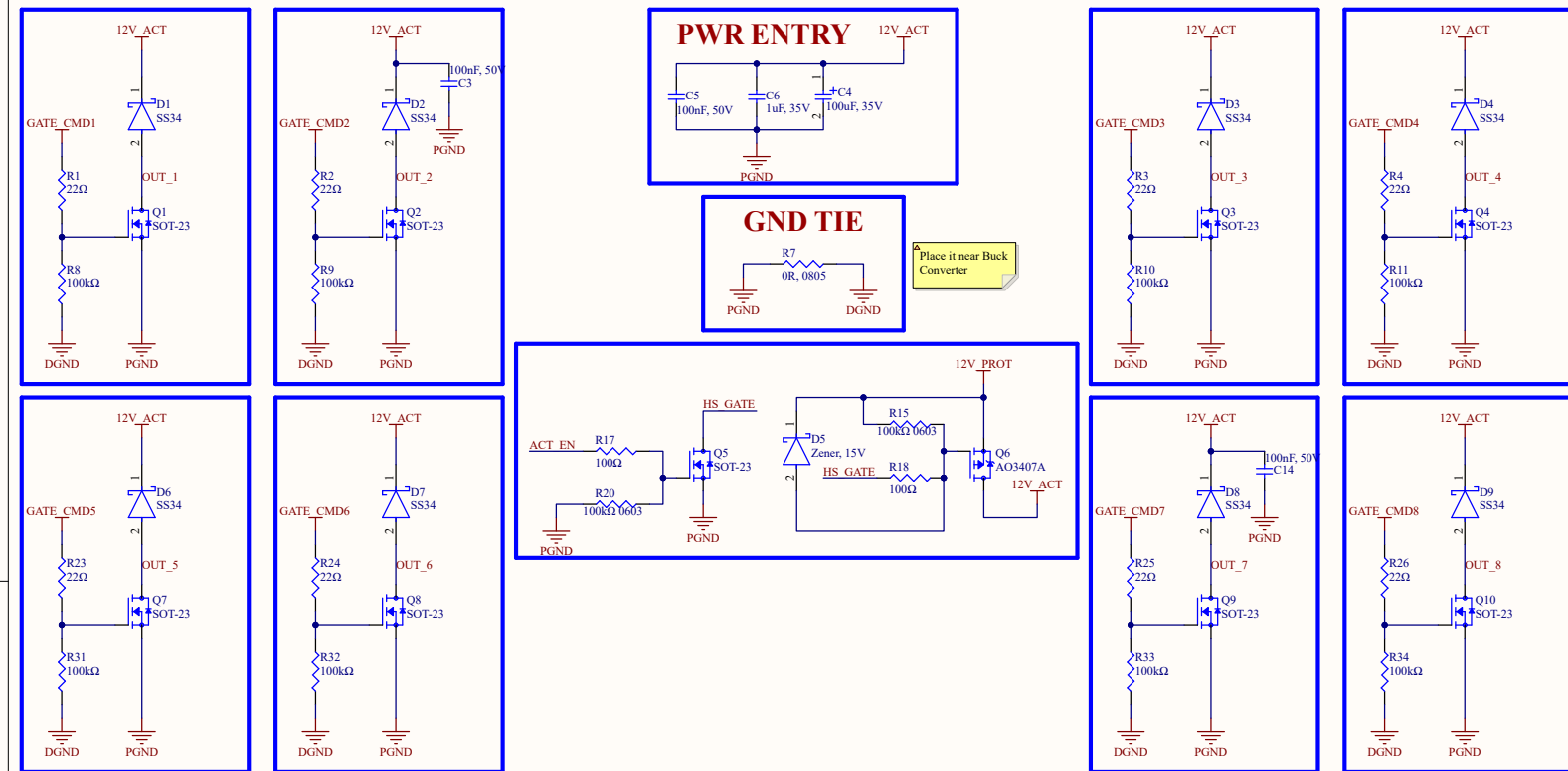
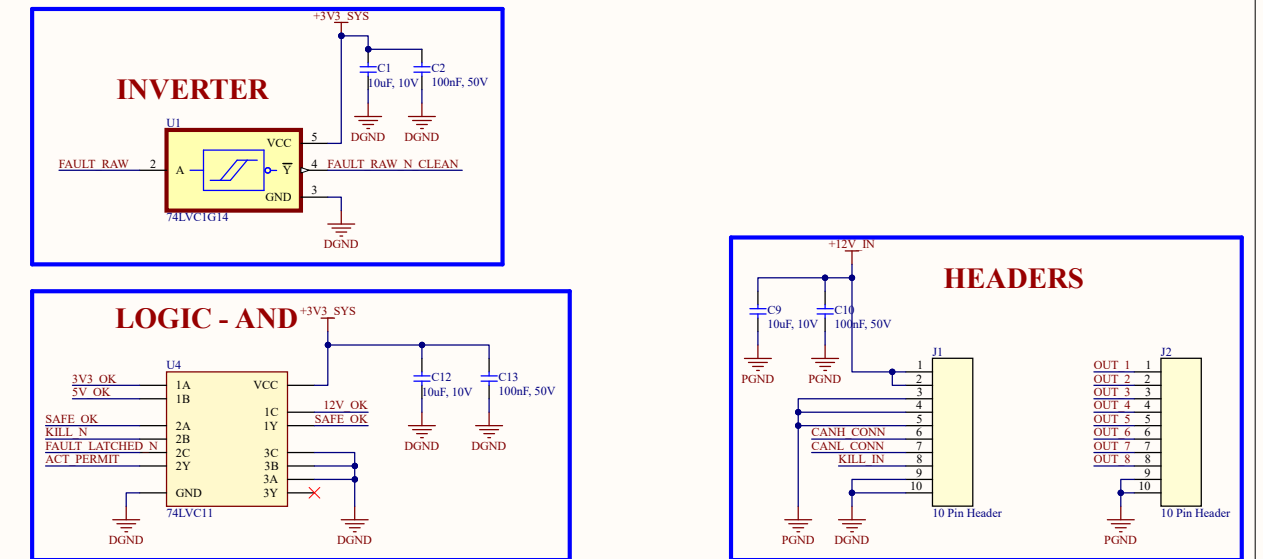
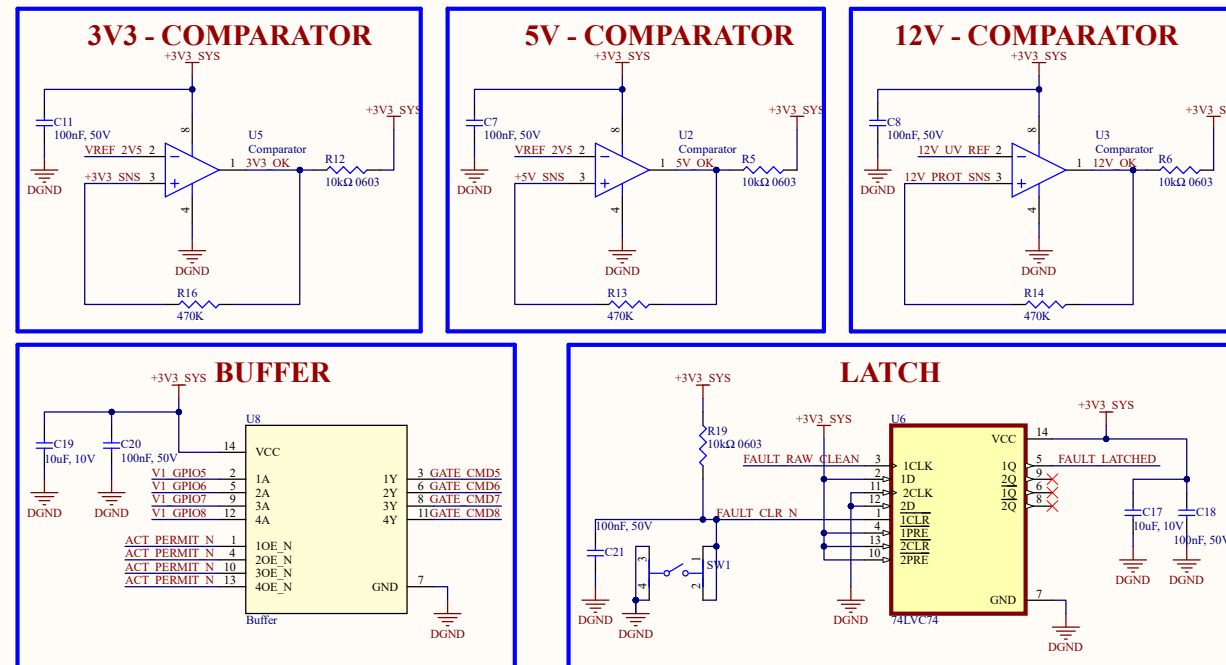


V3 - ACTUATORS

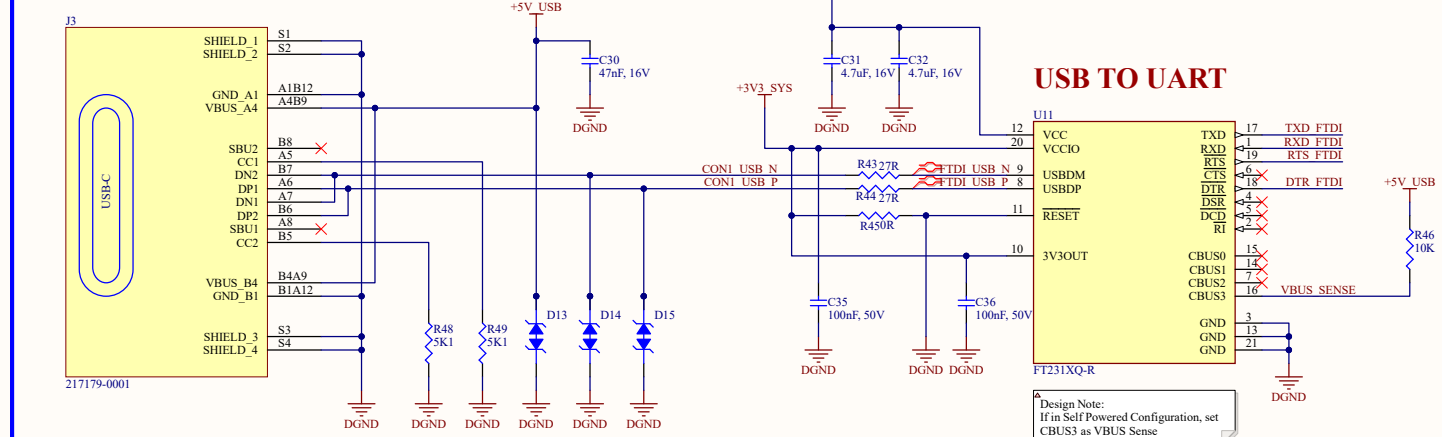


V4 - SUPERVISOR

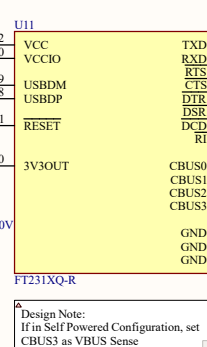


V1 - CORE

USB-C CONNECTOR

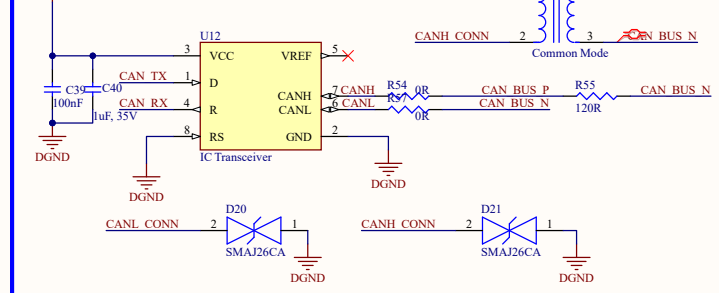


USB TO UART

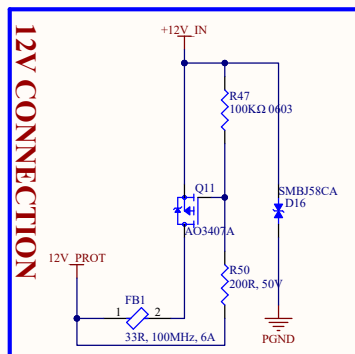


Design Note:
If in Self Powered Configuration, set
CBUS5 as VBUS Sense

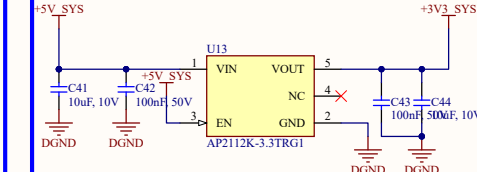
CAN TRANSCEIVER



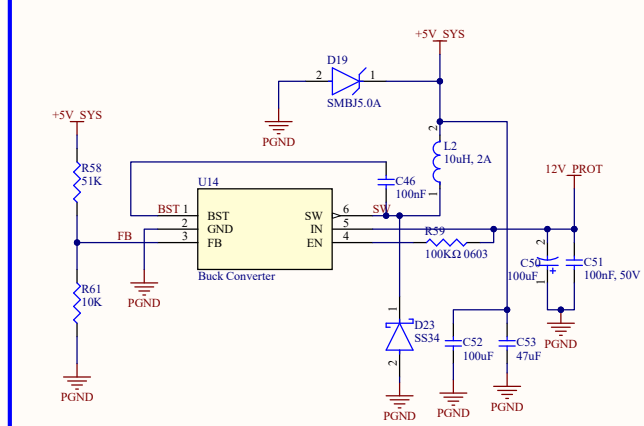
12V CONNECTION



VOLTAGE REGULATOR

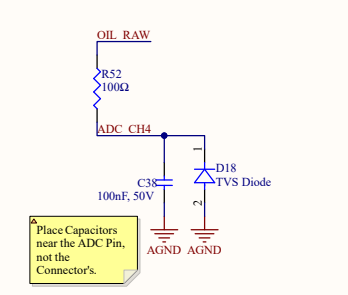


BUCK CONVERTER

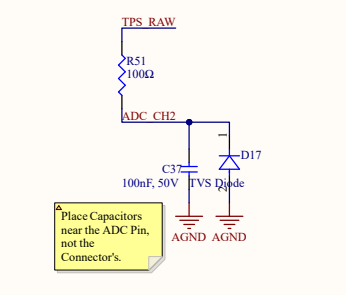


V2 & V2.5 - SENSORS

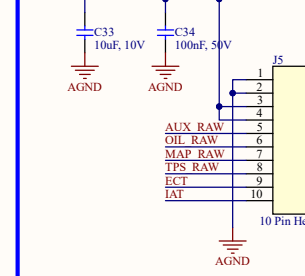
OIL CONNECTION



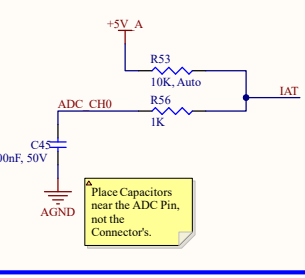
TPS CONNECTION



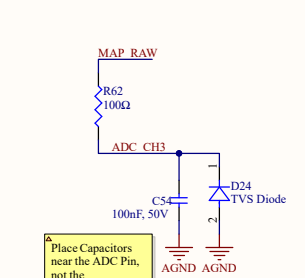
HEADERS



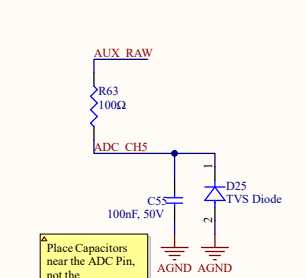
IAT CONNECTION



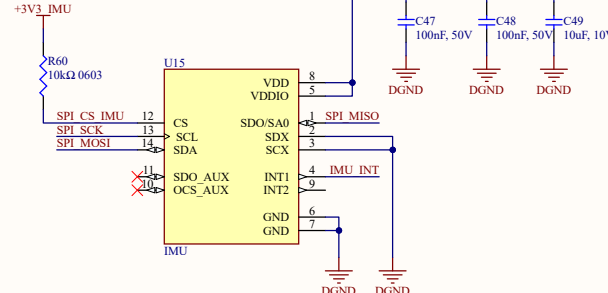
MAP CONNECTION



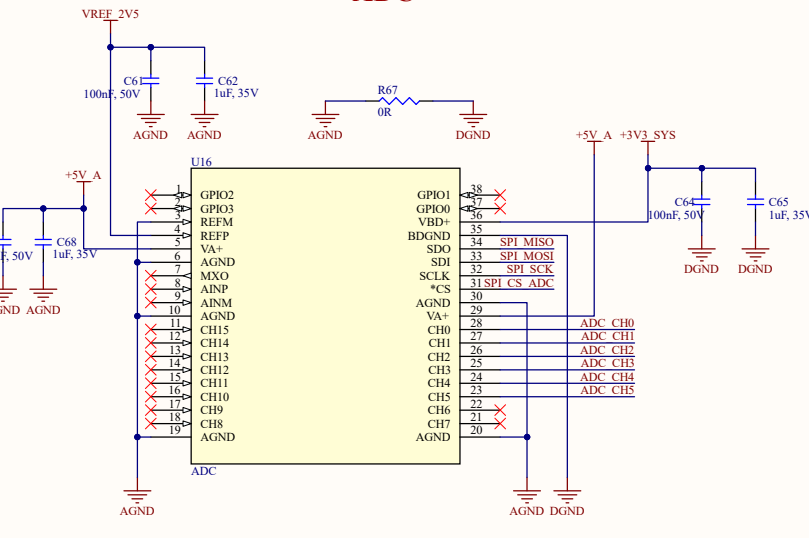
AUX CONNECTION



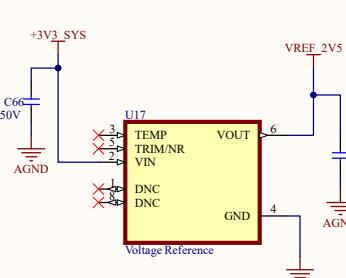
IMU



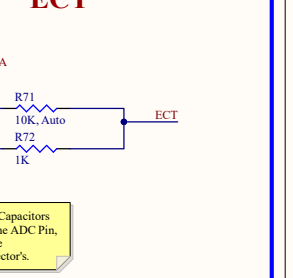
ADC



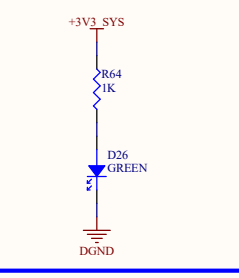
VOLTAGE REFERENCE



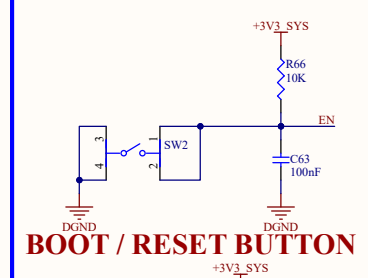
ECT



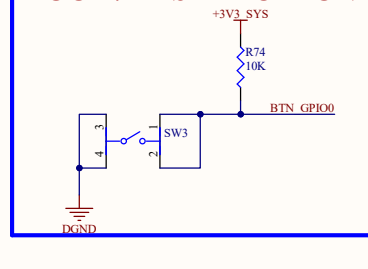
POWER LED



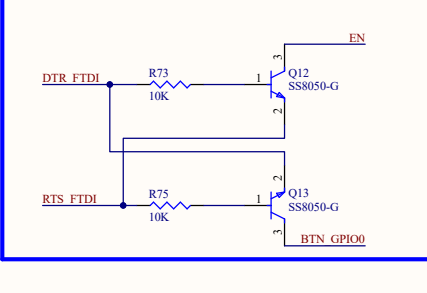
RESET BUTTON



BOOT / RESET BUTTON



SERIAL SIGNALS HANDLING



ESP32_S3_MINI

