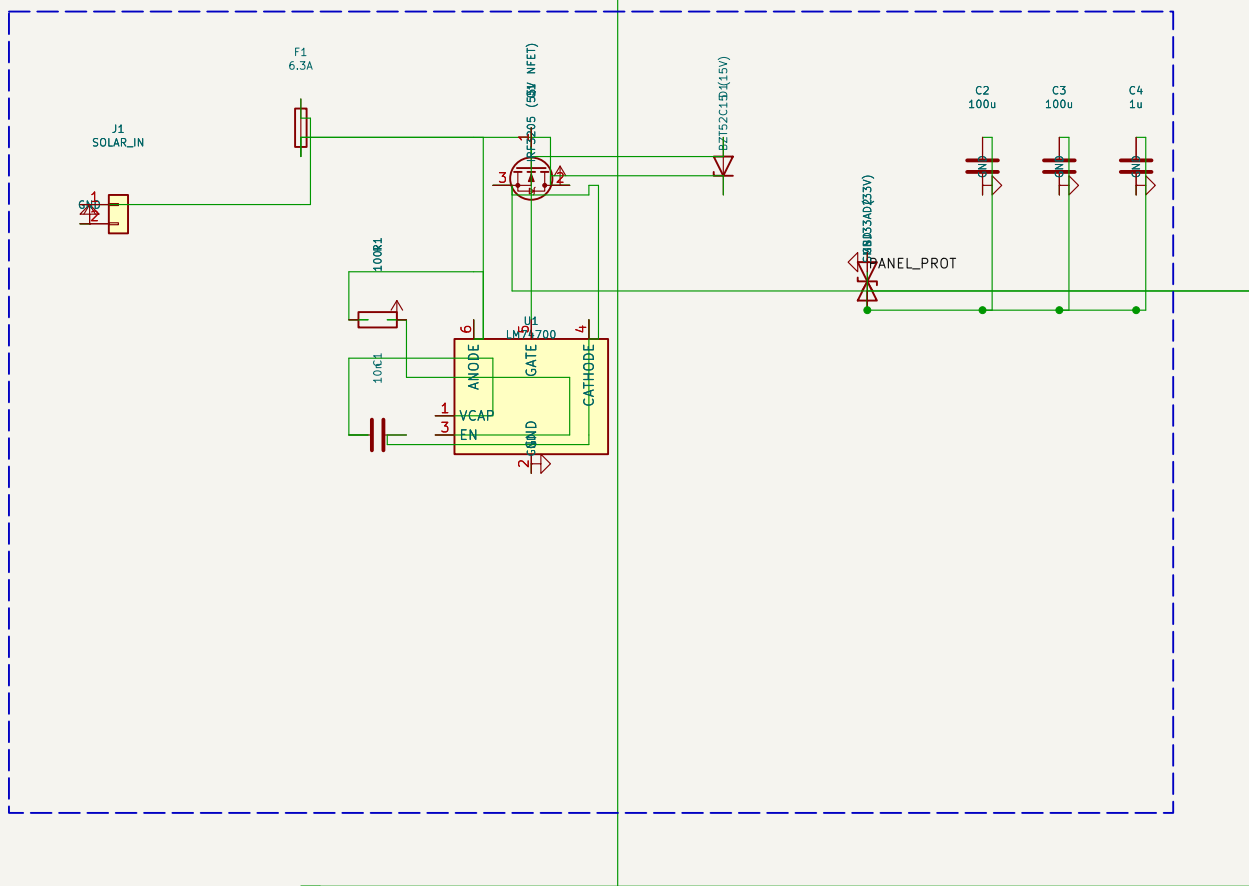
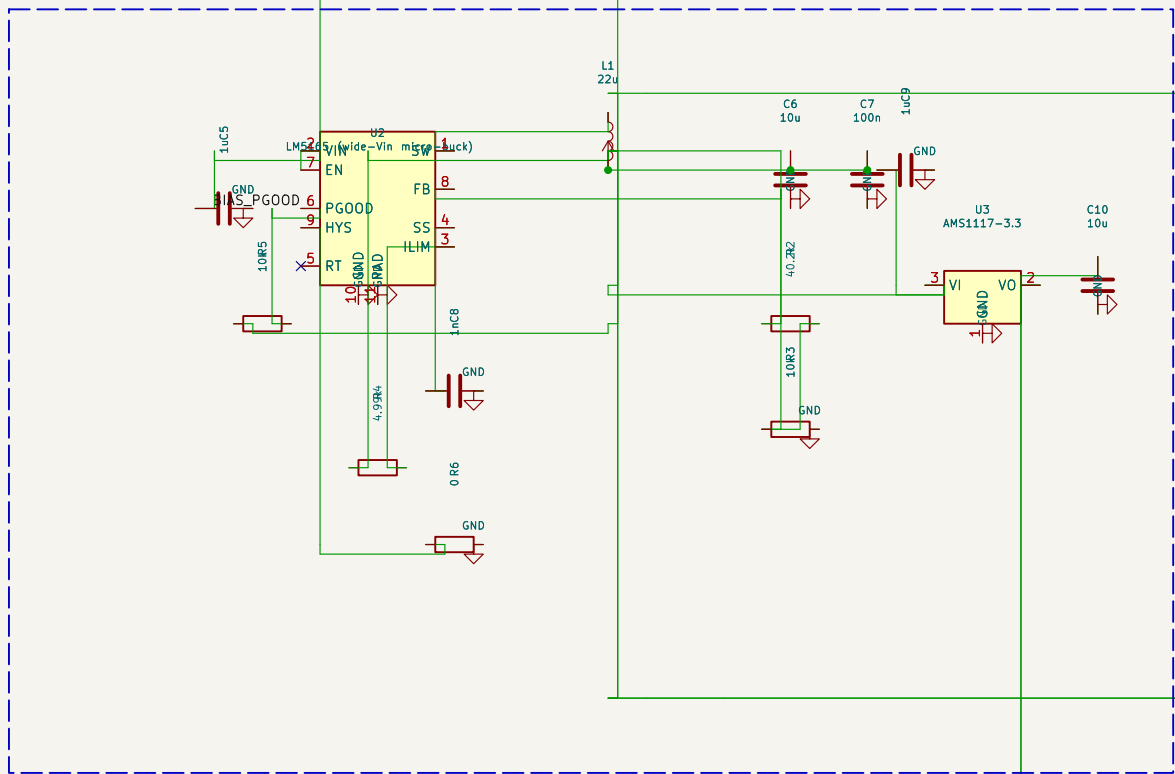


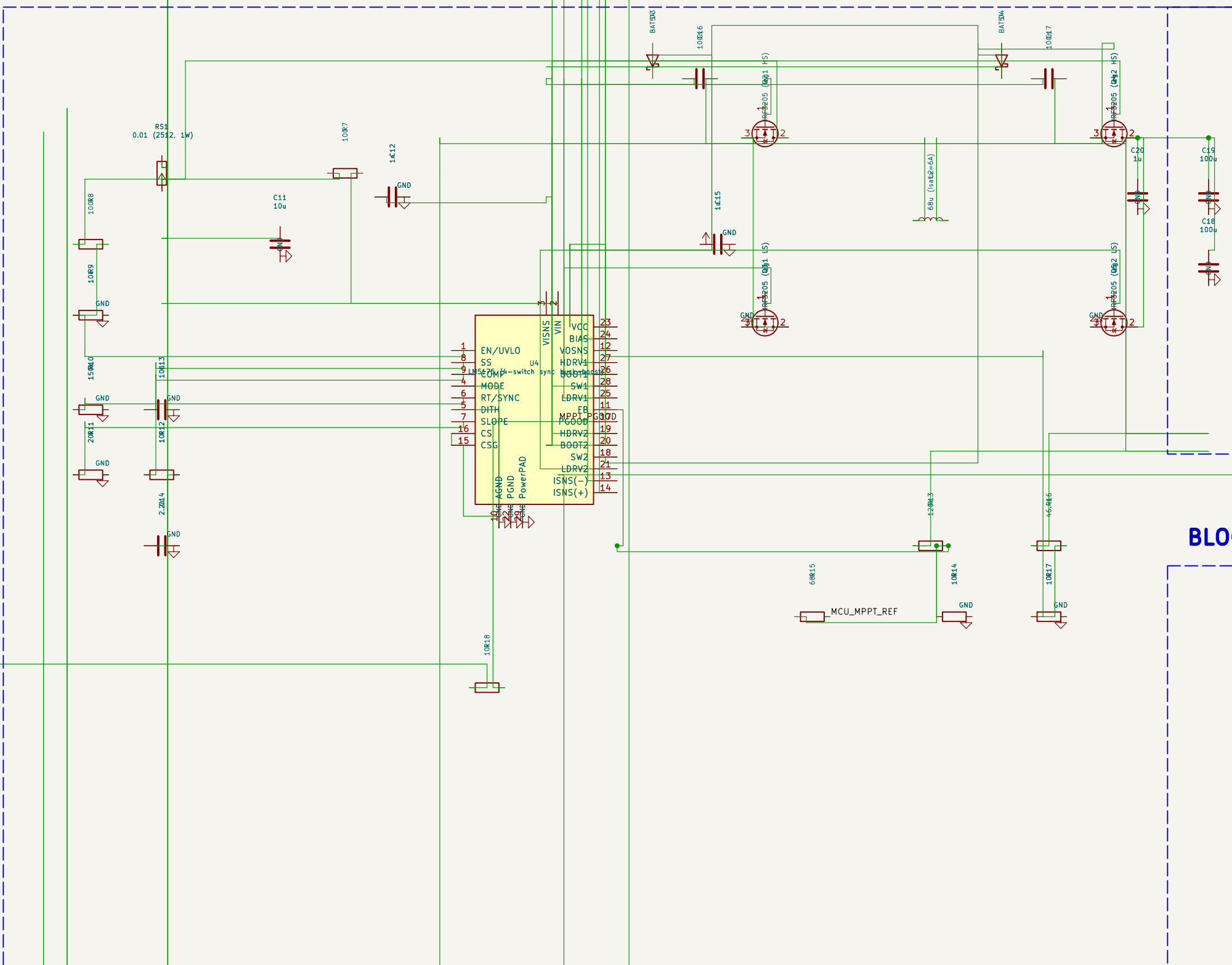
BLOCK 1: SOLAR INPUT PROTECTION



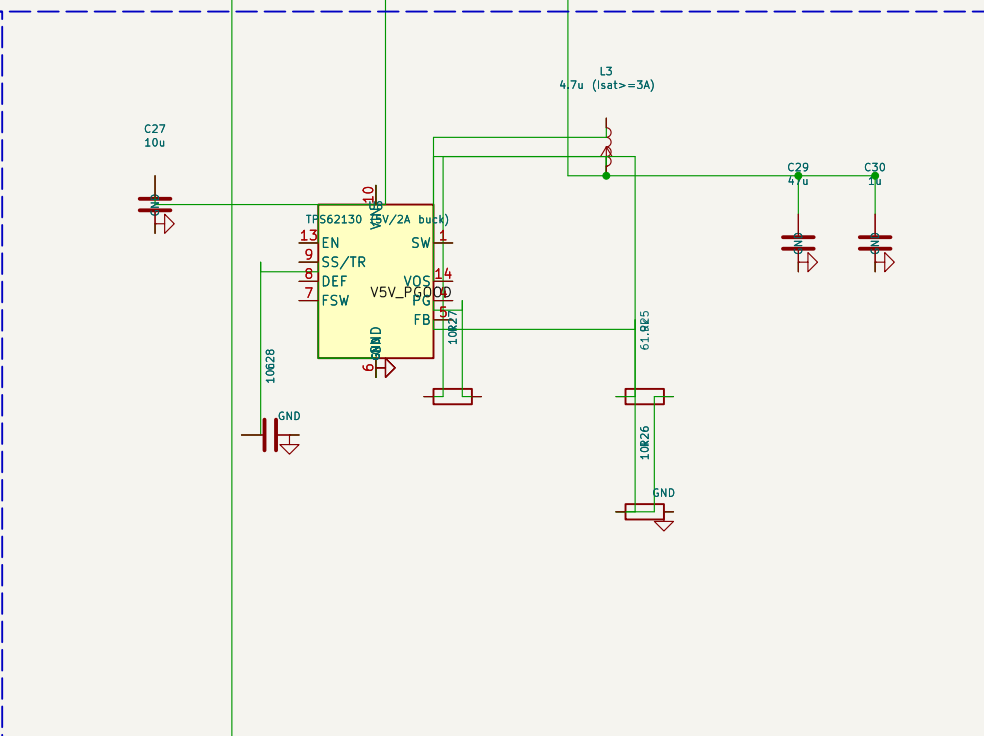
BLOCK 2: HOUSEKEEPING BIAS (5V then 3V3)



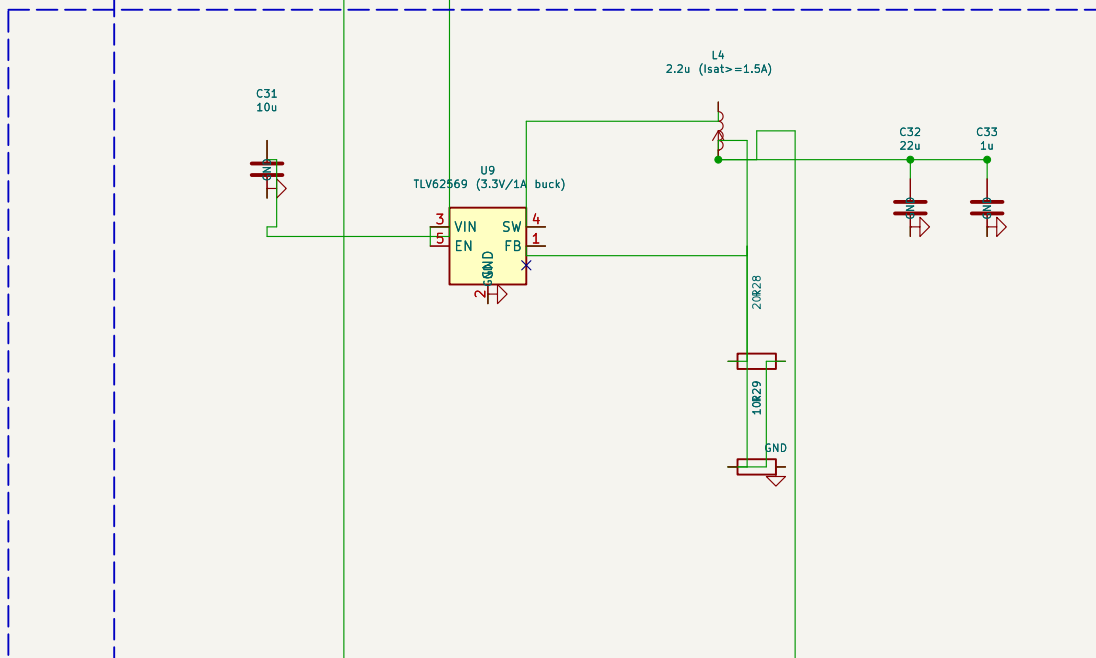
BLOCK 3: MPPT/CHARGE POWER STAGE (LM5175, 4-switch buck-boost)



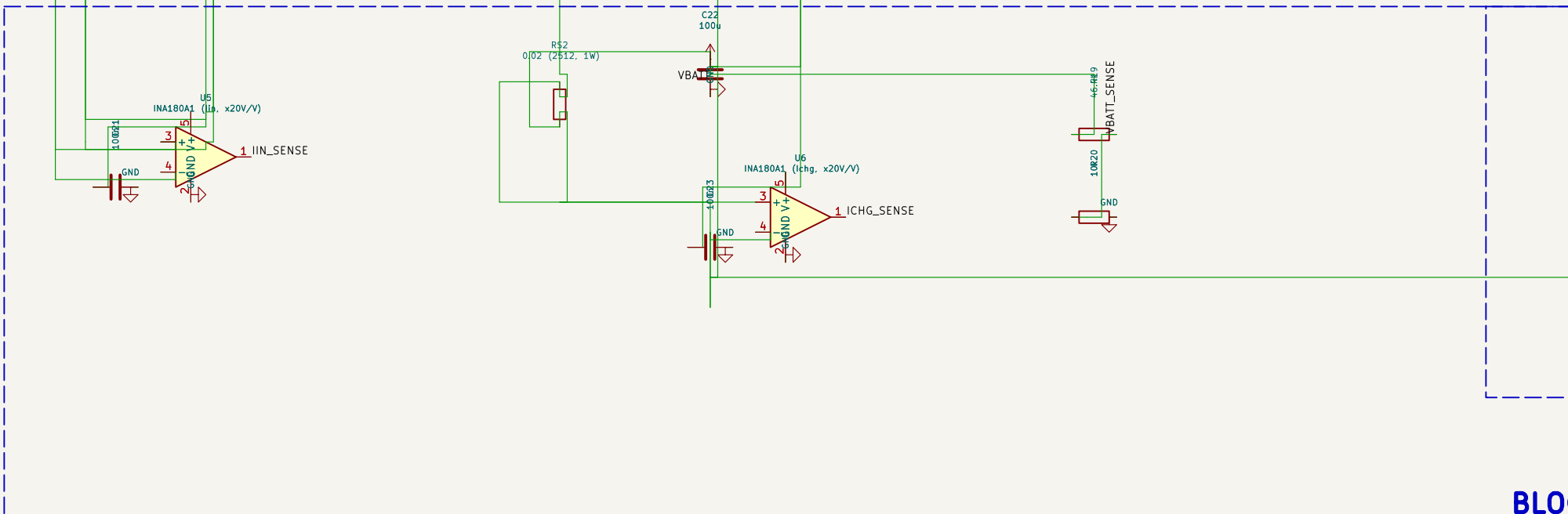
BLOCK 6: 5V / 2A POL BUCK (TPS62130)



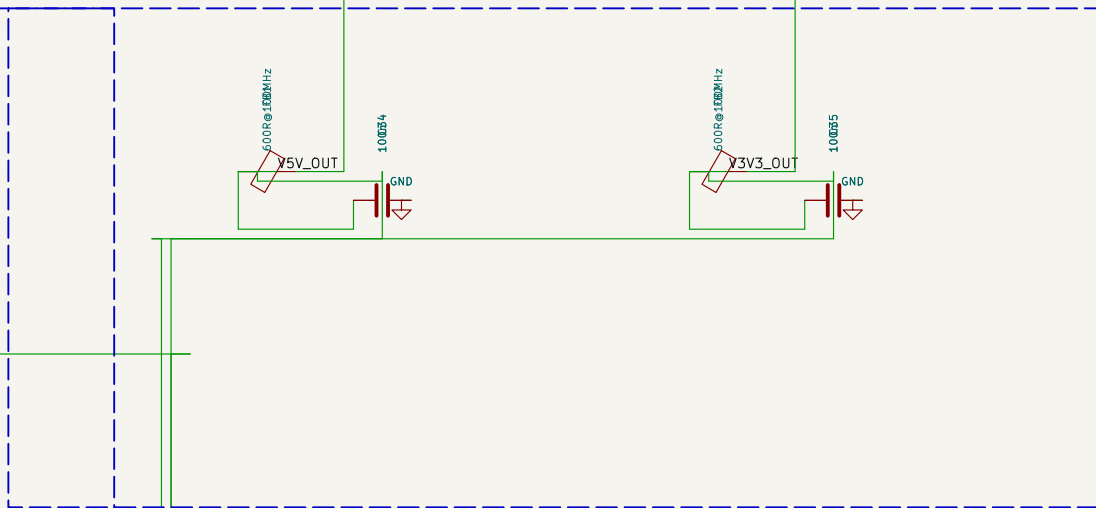
BLOCK 7: 3.3V / 1A POL BUCK (TLV62569)



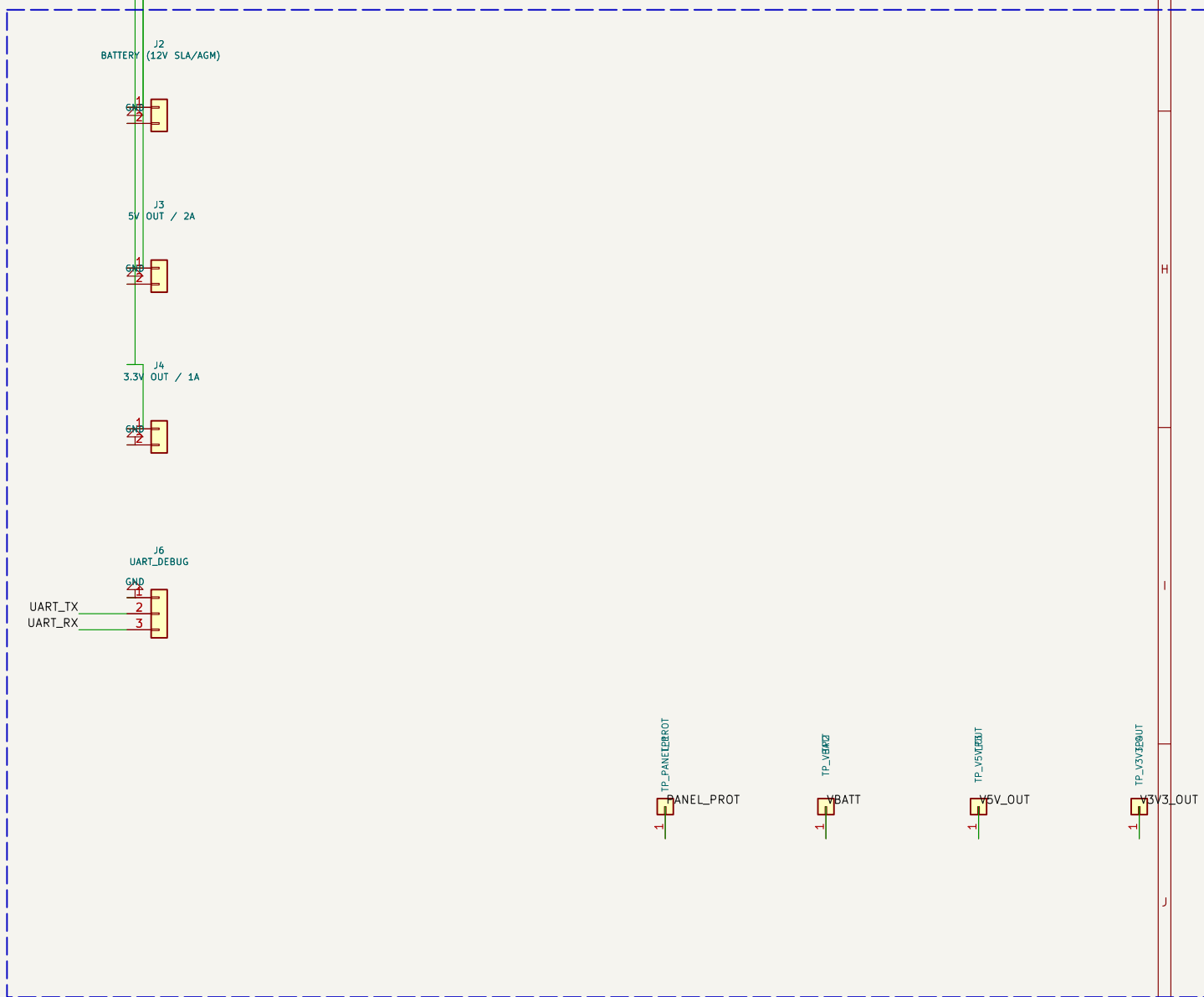
BLOCK 4: CURRENT/VOLTAGE SENSING (-> MCU ADC)



BLOCK 8: OUTPUT FILTERING



BLOCK 9: CONNECTORS + TEST POINTS



BLOCK 5: MCU (STM32G031F8Px) + SWD/UART/status

