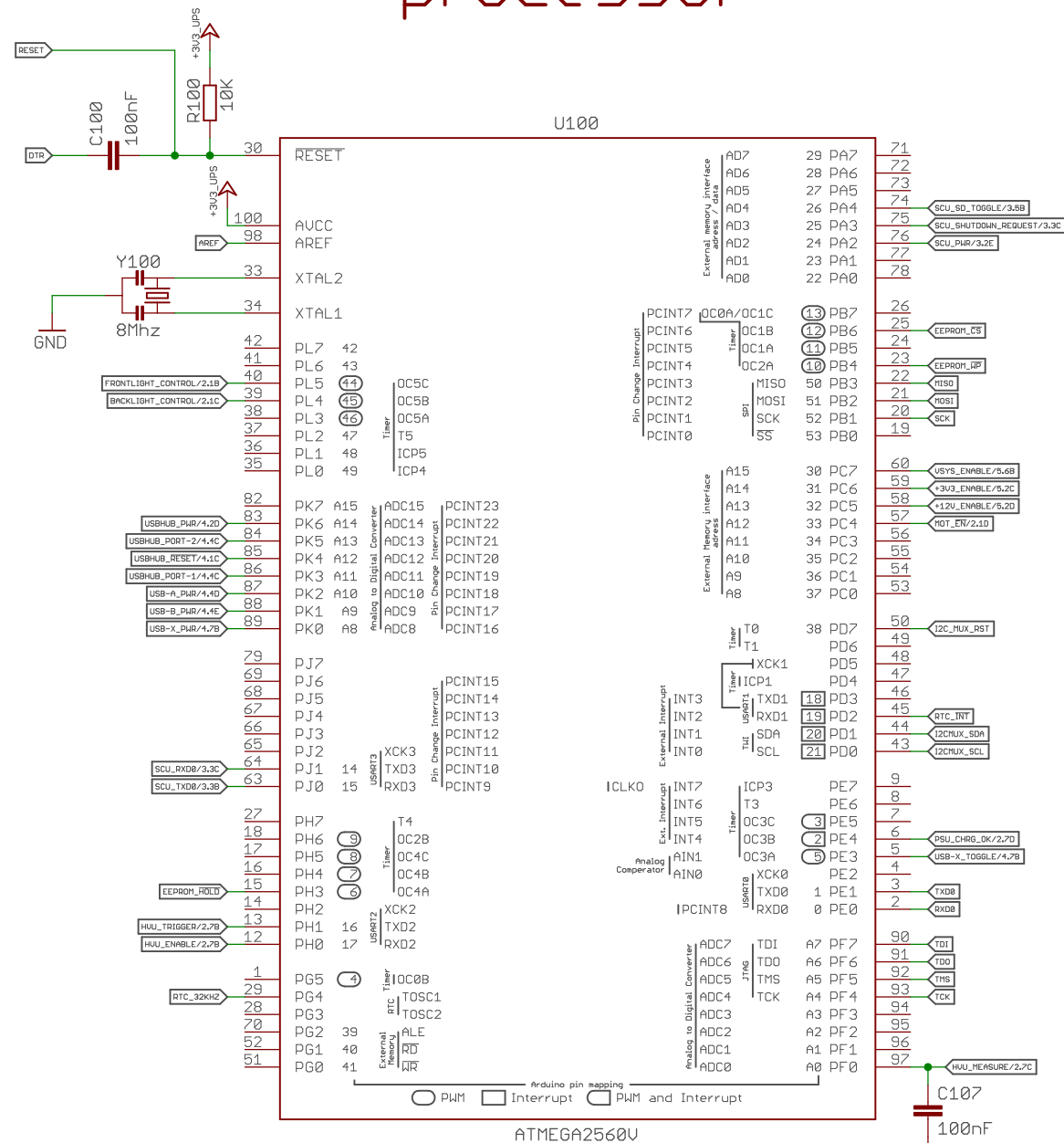
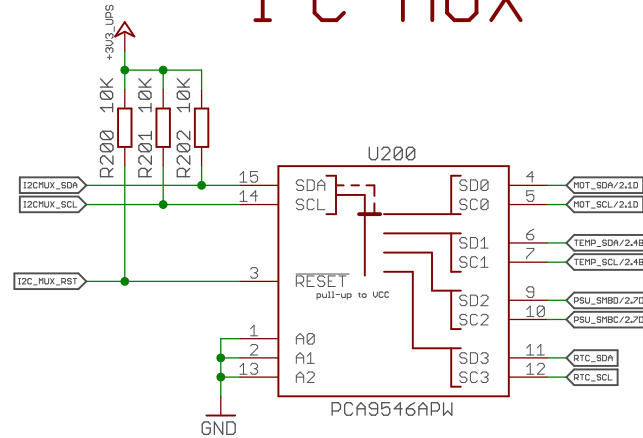


main control unit

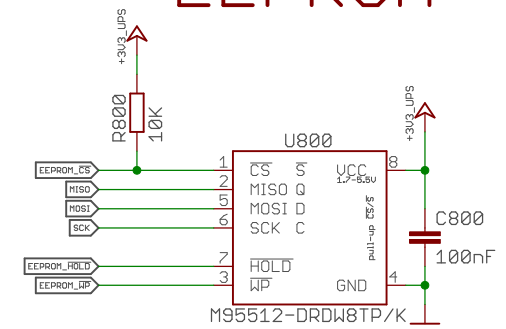
processor



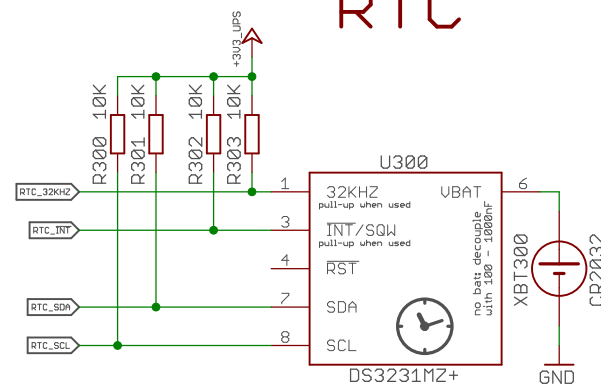
I²C MUX



EEPROM

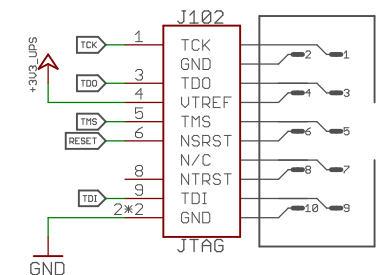


RTC

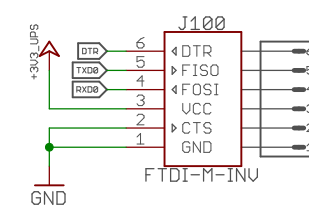


connectors

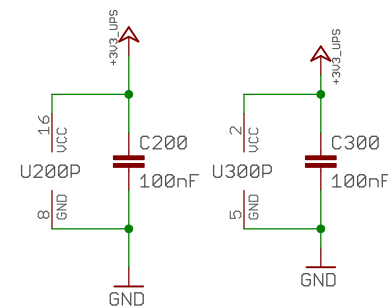
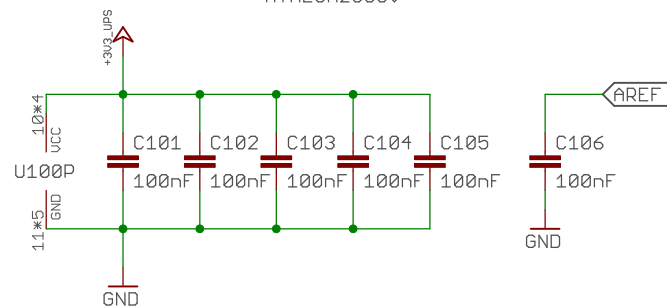
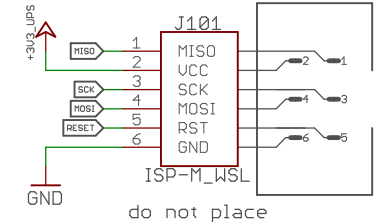
JTAG



UART

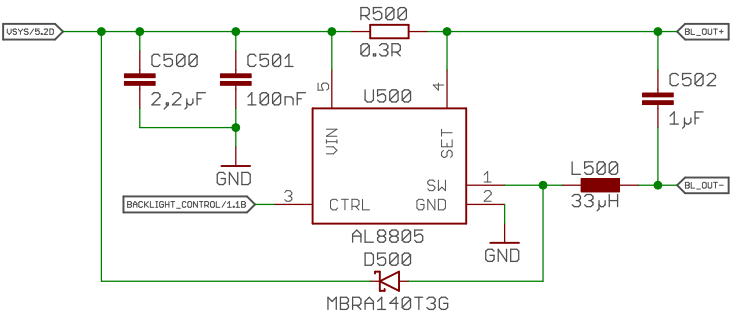
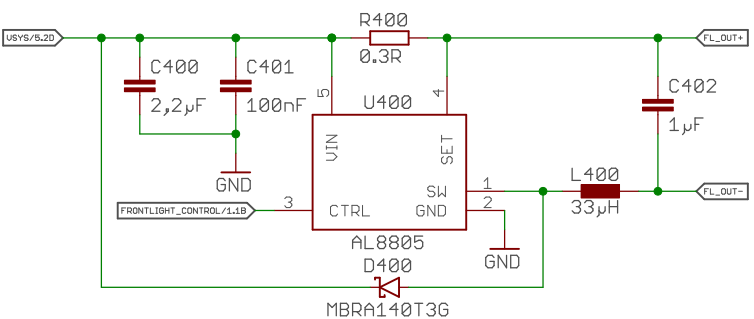


ISP

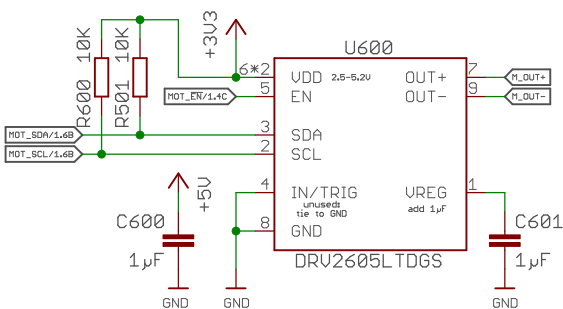


MCU peripherals

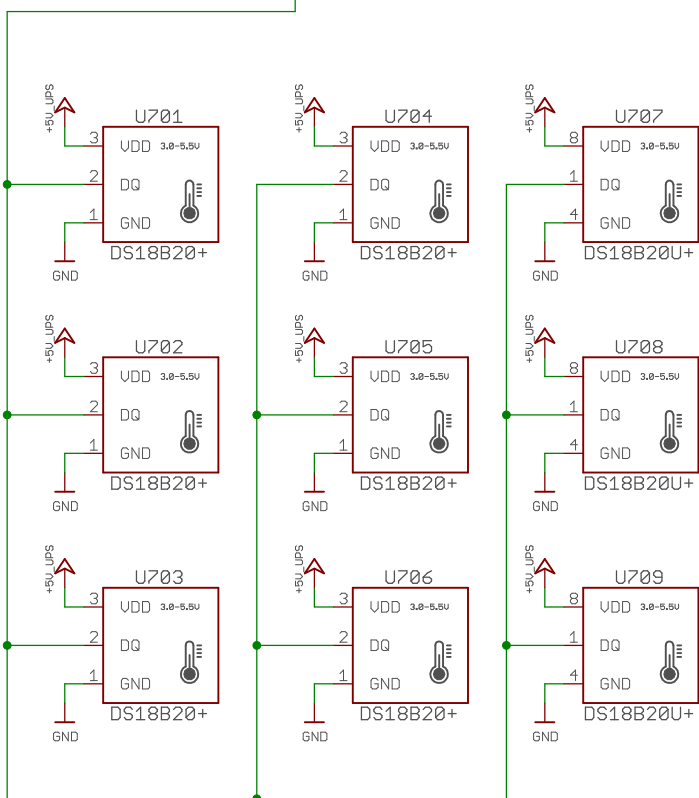
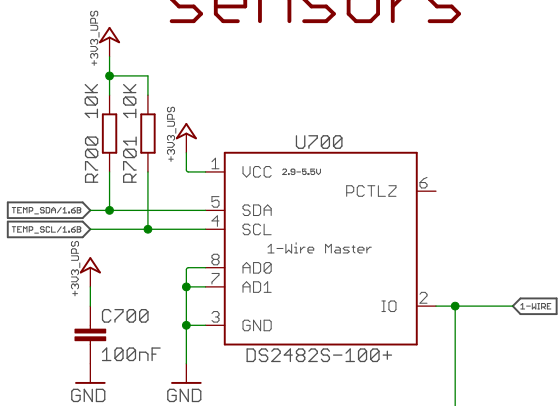
LED drivers



motor driver

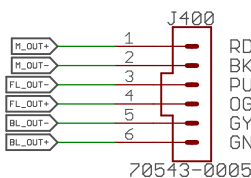


temperature sensors

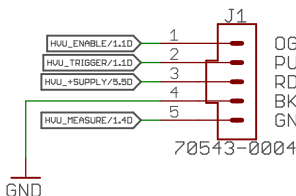


connectors

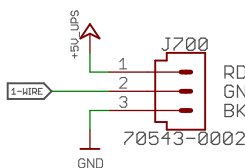
SEU



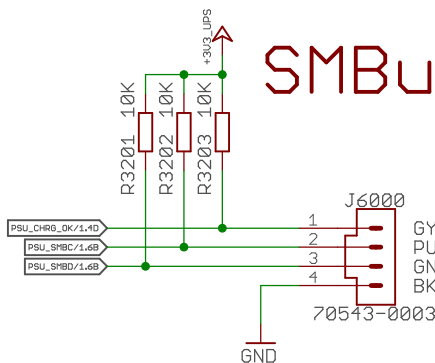
HVU



TEMP



SMBus

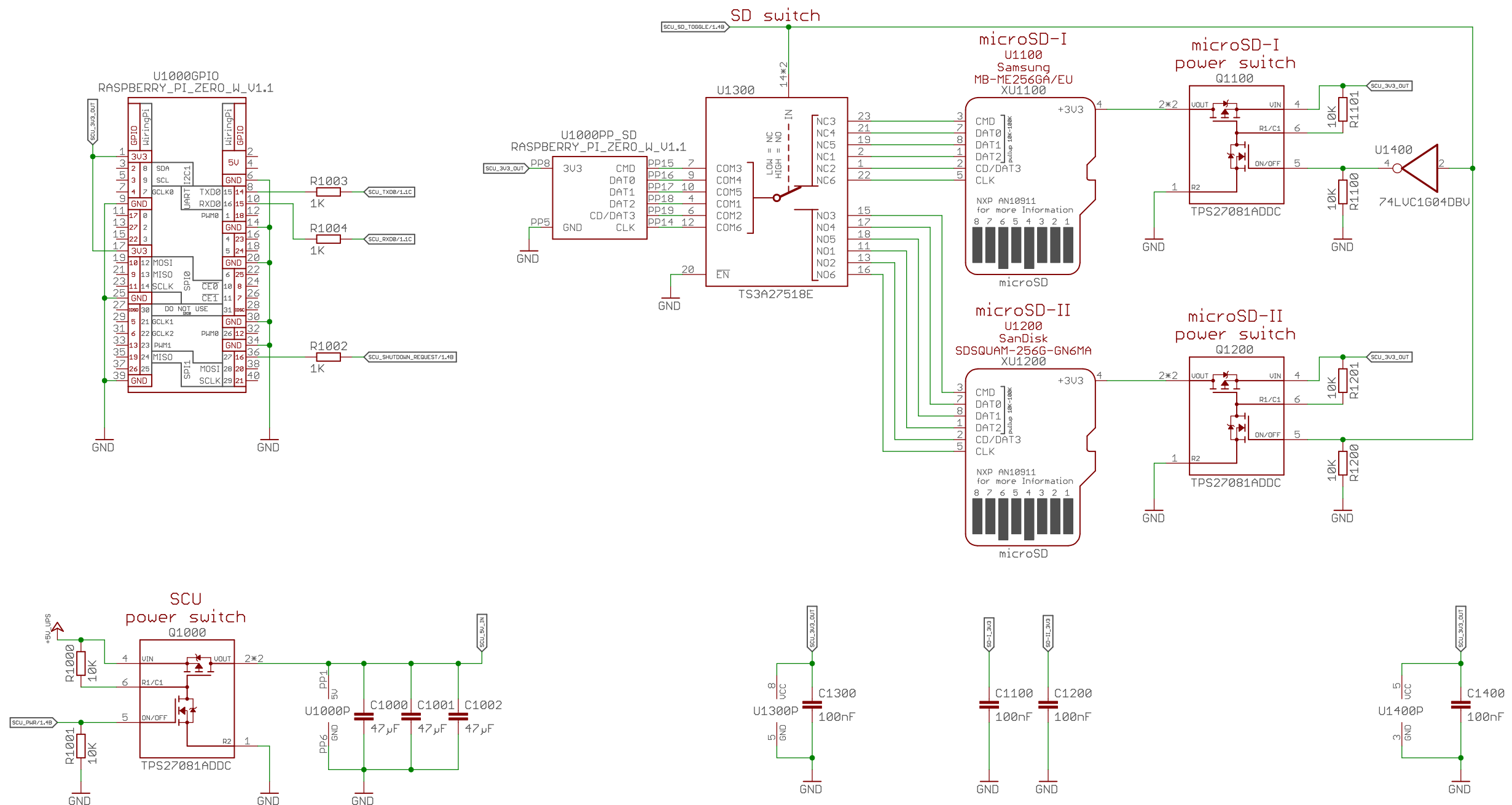


science control unit

Raspberry Zero W 1.1 & Raspberry Pi Camera Module v2

GPIO connector

redundant OS



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E

transfer
storage



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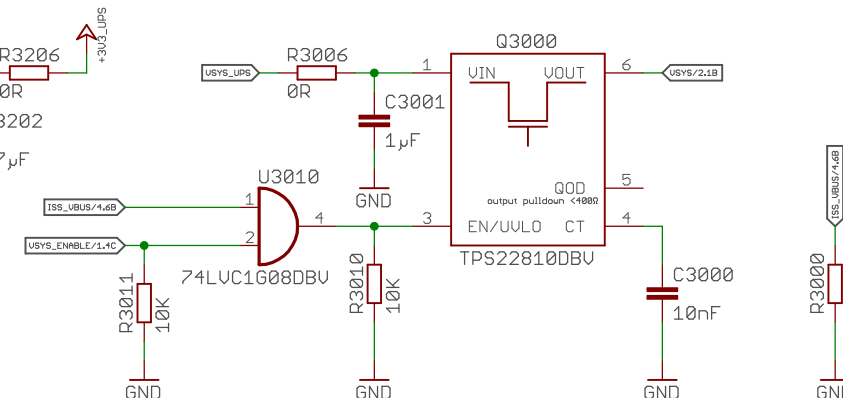
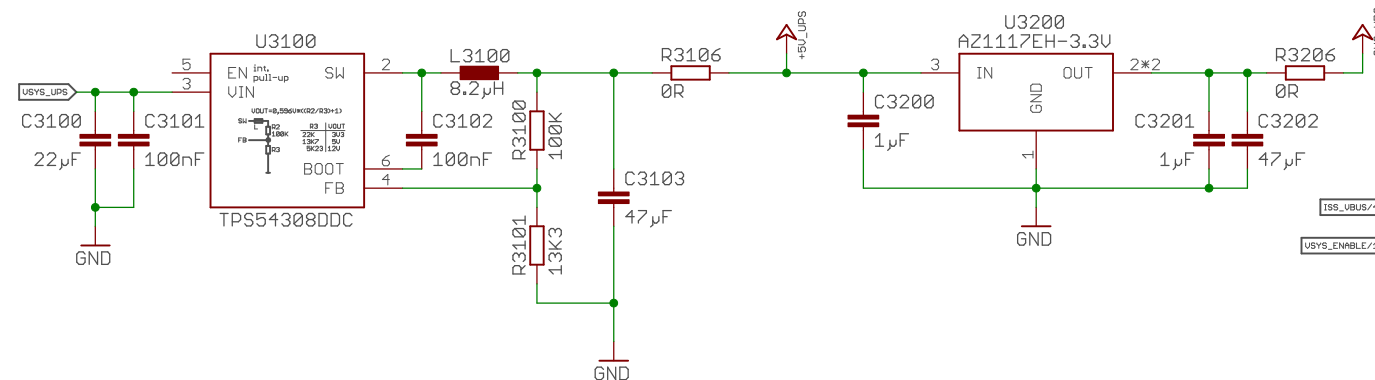
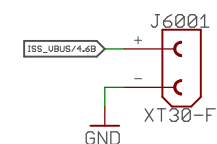
power conversion

to PSU

+5V_UPS

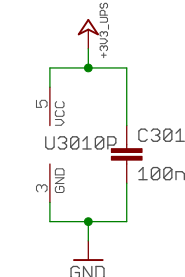
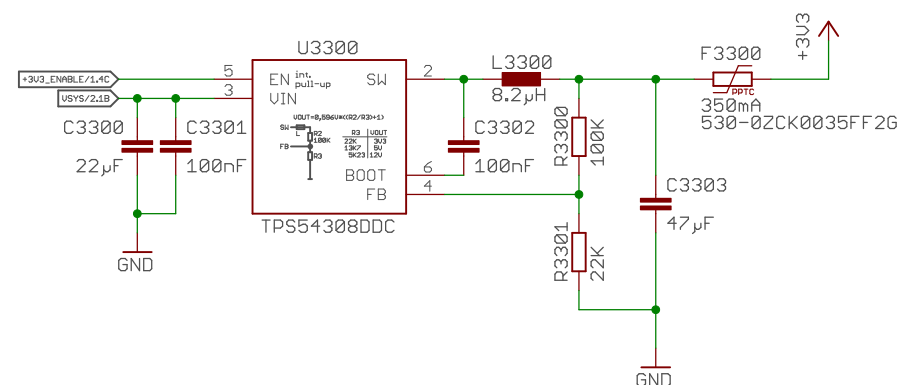
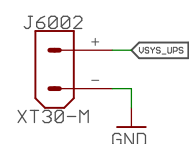
+3V3_UPS

USYS



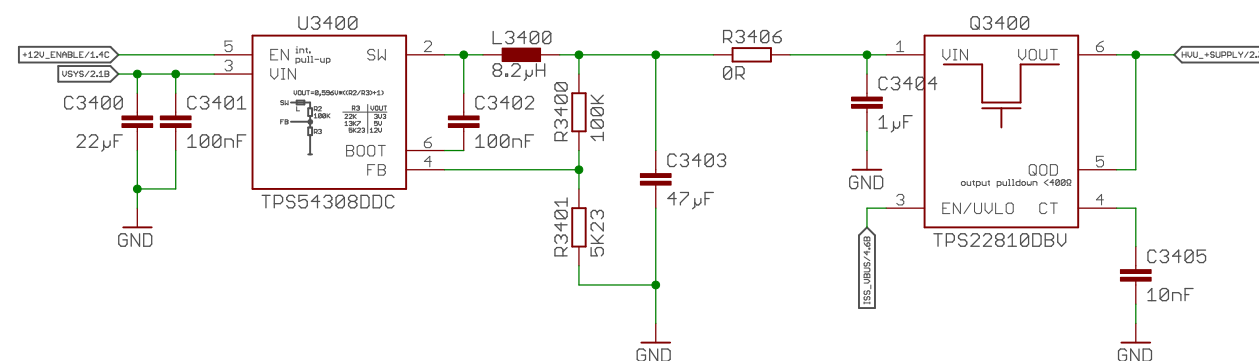
from PSU

+3V3



HVU SUPPLY

HVU emergency
quick discharge



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