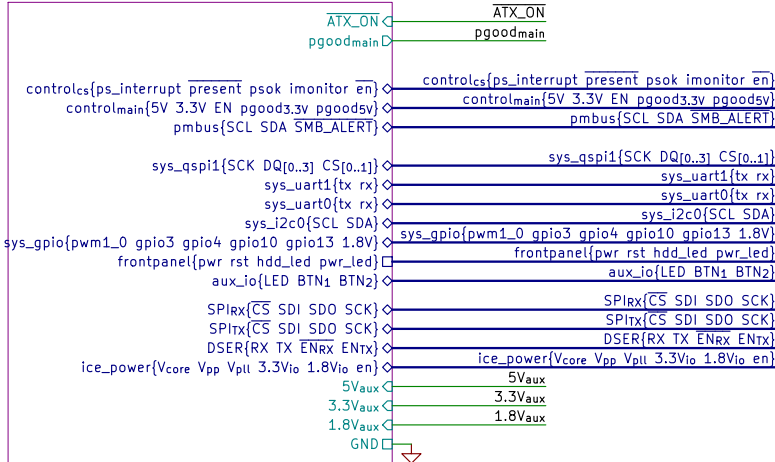
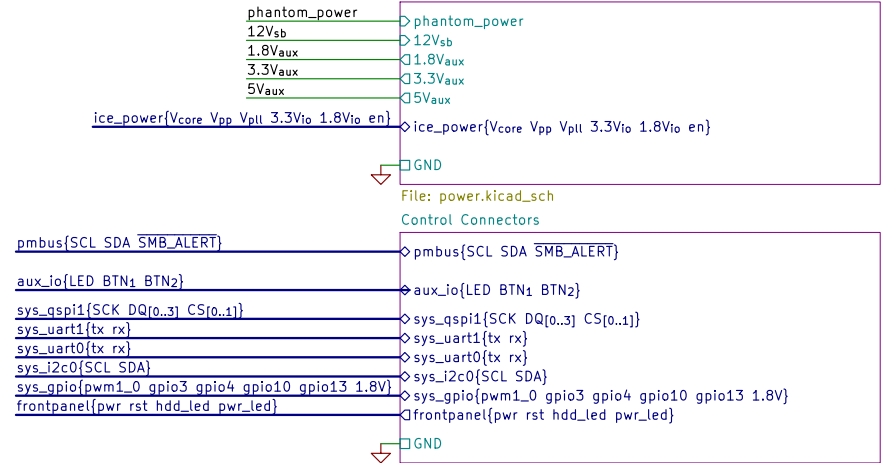


Control Logic

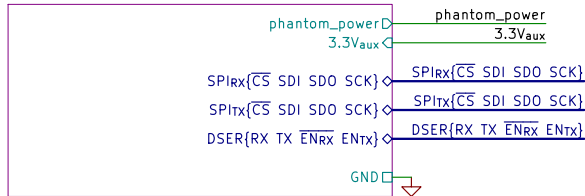


File: control.kicad_sch

Auxiliary Power

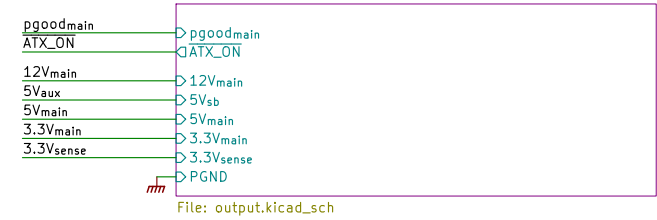


Remote Interface

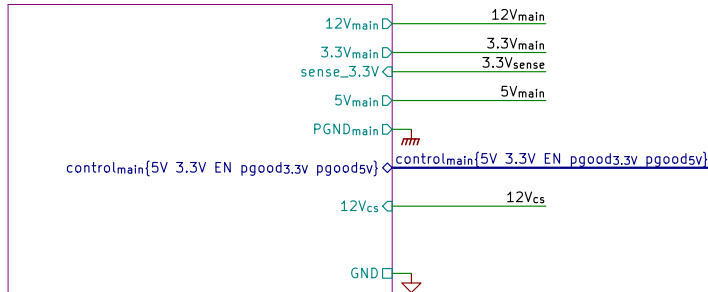


File: remote.kicad_sch

Output Connectors

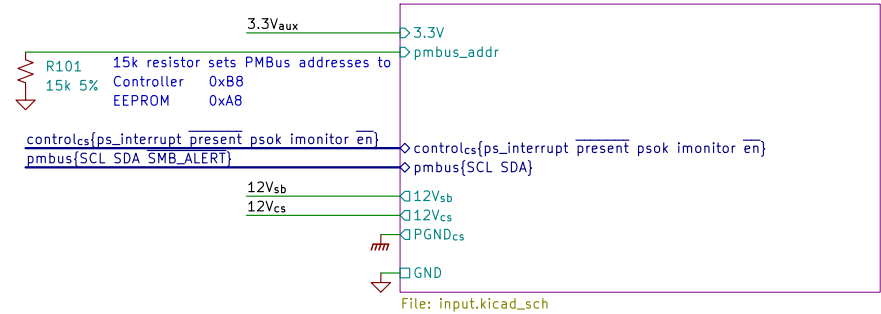


Main Regulator



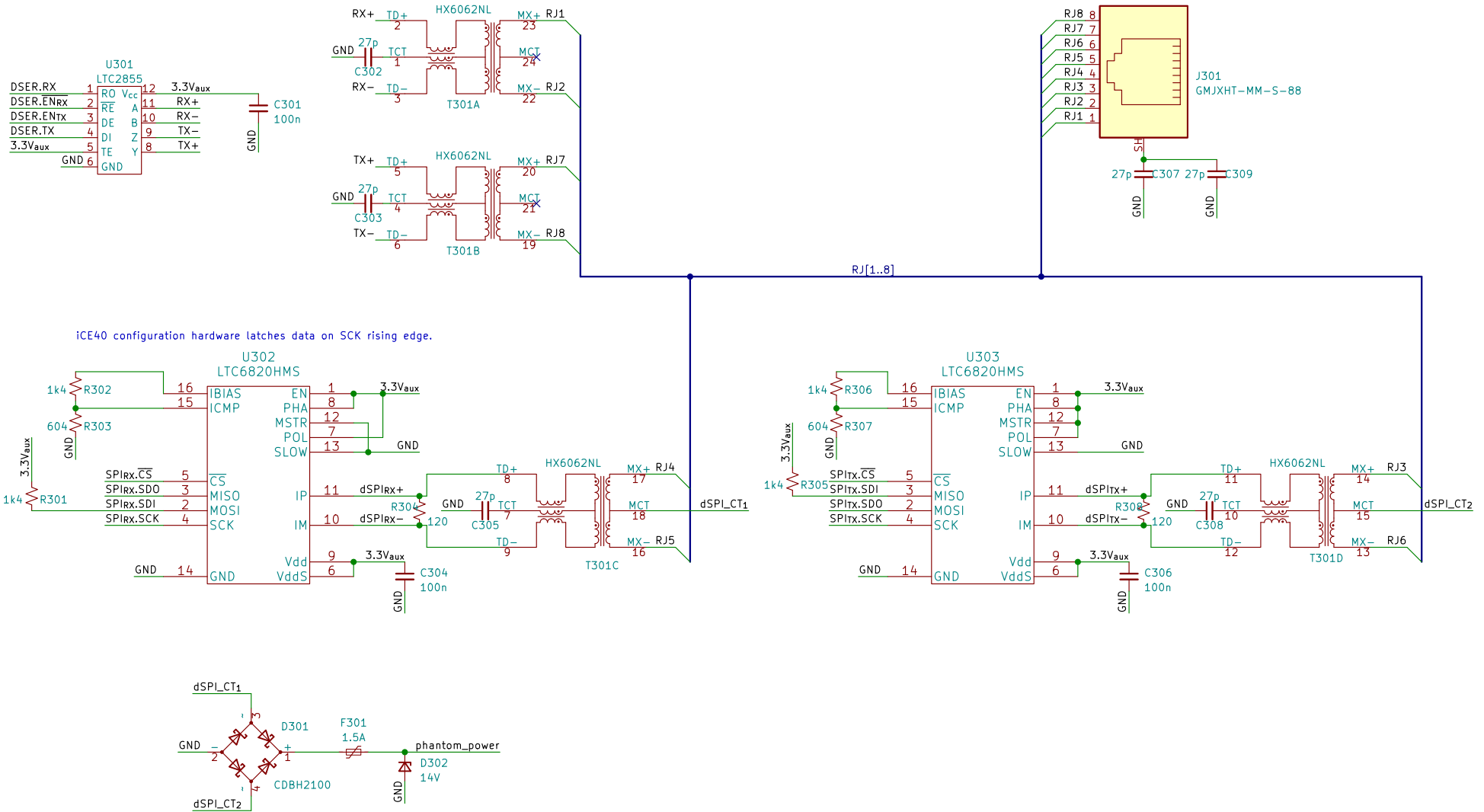
File: regulator.kicad_sch

Input Connector

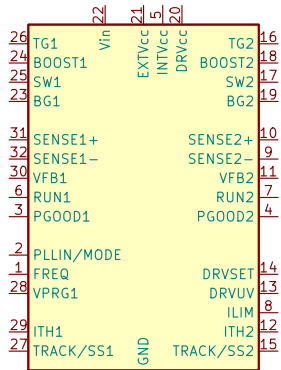


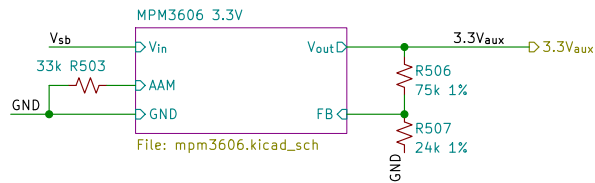
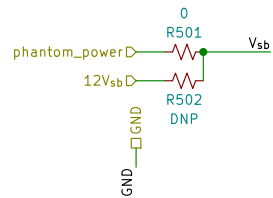
SPIrx{ \overline{CS} SDI SDO SCK} \diamond \longrightarrow
 SPItx{ \overline{CS} SDI SDO SCK} \diamond \longrightarrow
 DSER{RX TX ENrx ENtx} \diamond \longrightarrow

phantom_power \square \longrightarrow
 GND \square \longrightarrow
 3.3Vaux \square \longrightarrow

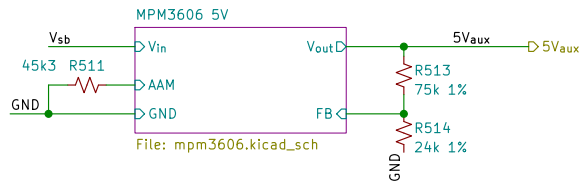


☒ 12Vcs
☒ sense.
☐ GND

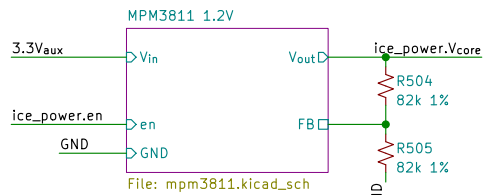




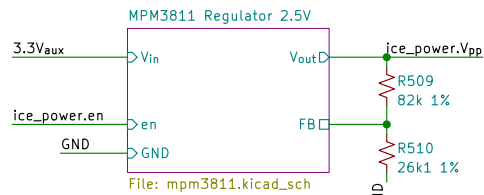
FB voltage is nominally 0.798V;
Recommended resistor values for 3.3V are
75k and 24k
Recommended resistance at AAM for 12V input is
33k



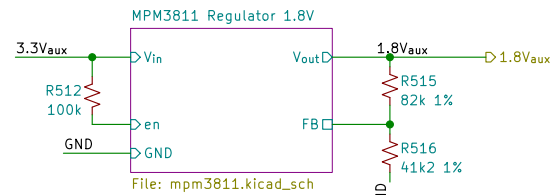
FB voltage is nominally 0.798V;
Recommended resistor values for 5V are
100k and 19.1k
Recommended resistance at AAM for 12V input is
45.3k



FB voltage is nominally 0.6V;
Recommended resistor values for 1.2V are
82k and 82k

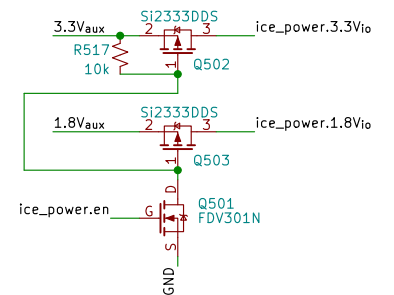
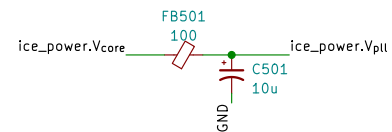
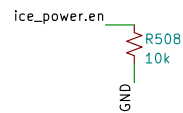


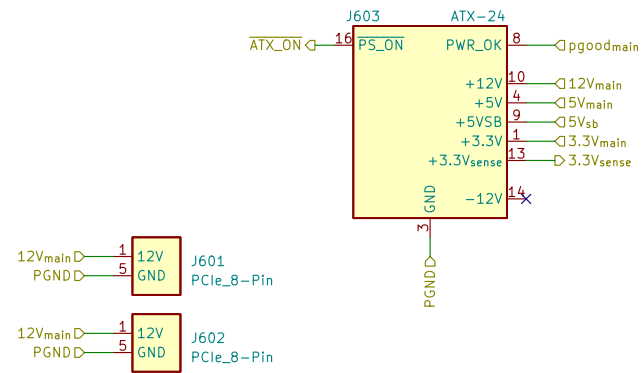
FB voltage is nominally 0.6V;
Recommended resistor values for 2.5V are
82k and 26.1k

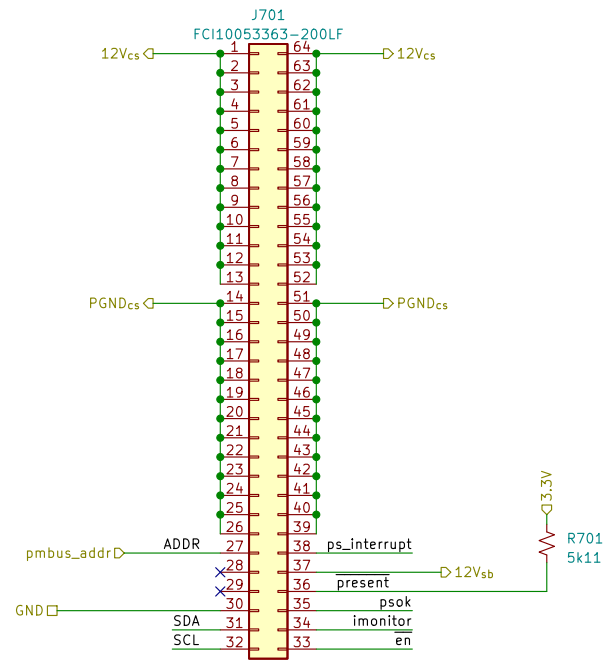


FB voltage is nominally 0.6V;
Recommended resistor values for 1.8V are
82k and 41.2k

ice_power{Vcore Vpp Vpll 3.3Vio 1.8Vio en}







```

pmbus{SCL SDA} <- {SCL SDA}
controlcs[ps_interrupt present psok imonitor en] <- {ps_interrupt present psok imonitor en}

```

◇ pmbus{SCL SDA SMB_ALERT}

□ GND

◇ aux_io{LED BTN1 BTN2}

▷ frontpanel{pwr rst hdd_led pwr_led}

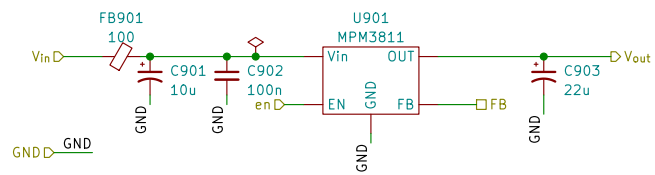
◇ sys_uart0{tx rx}

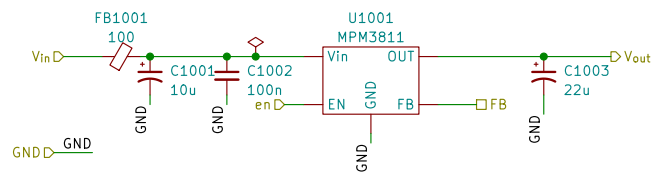
◇ sys_uart1{tx rx}

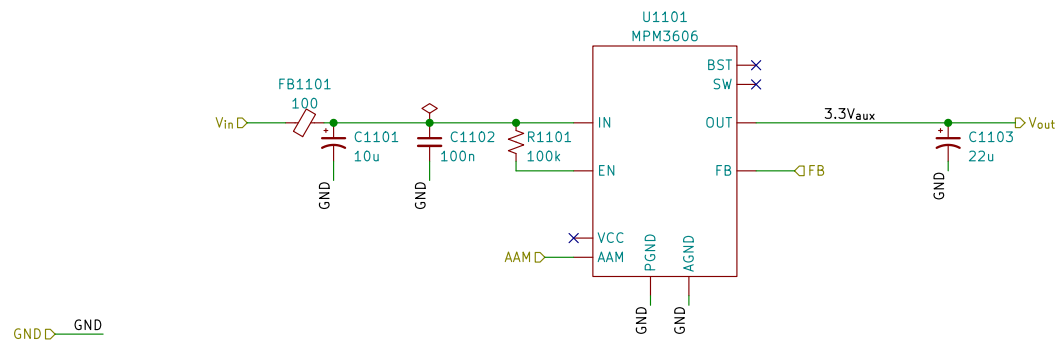
◇ sys_i2c0{SCL SDA}

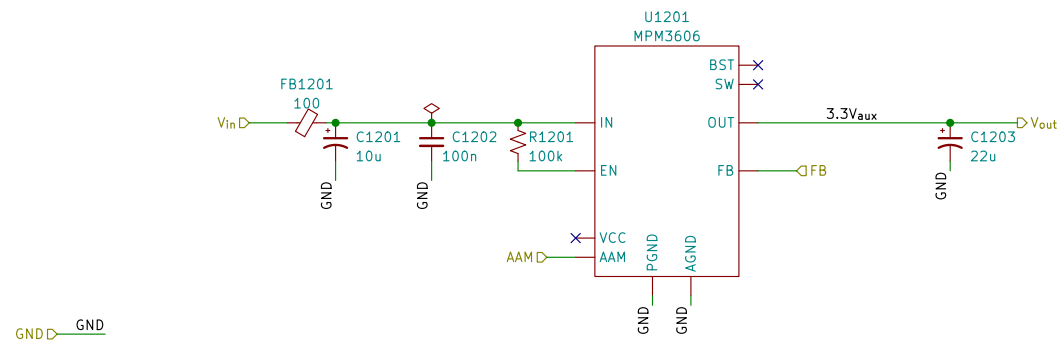
◇ sys_gpio{pwm1_0 gpio3 gpio4 gpio10 gpio13 1.8V}

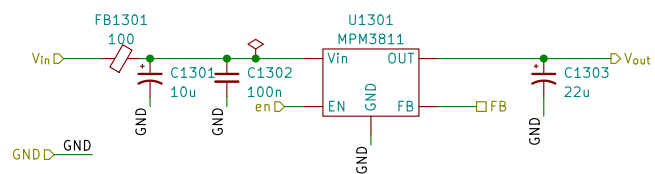
◇ sys_qspi1{SCK DQ[0..3] CS[0..1]}











```

sys_qspi1{SCK DQ[0..3] CS[0..1]} ◇
sys_uart1{tx rx} ◇
sys_uart0{tx rx} ◇
sys_i2c0{SCL SDA} ◇
sys_gpio{pwm1_0 gpio3 gpio4 gpio10 gpio13 1.8V} ◇
frontpanel{pwr rst hdd_led pwr_led} □
aux_io{LED BTN1 BTN2} ◇

ice_power{Vcore Vpp Vpl1 3.3Vio 1.8Vio en}
GND □

controlcs{ps_interrupt present psok imonitor en}
controlmain{5V 3.3V EN pgood3.3v pgood5v}
pmbus{SCL SDA SMB_ALERT} ◇
pgoodmain ◇
ATX_ON ◇

```

```

SPIrx{CS SDI SDO SCK} ◇
SPITx{CS SDI SDO SCK} ◇
DSER{RX TX ENRX ENTx} ◇

```

