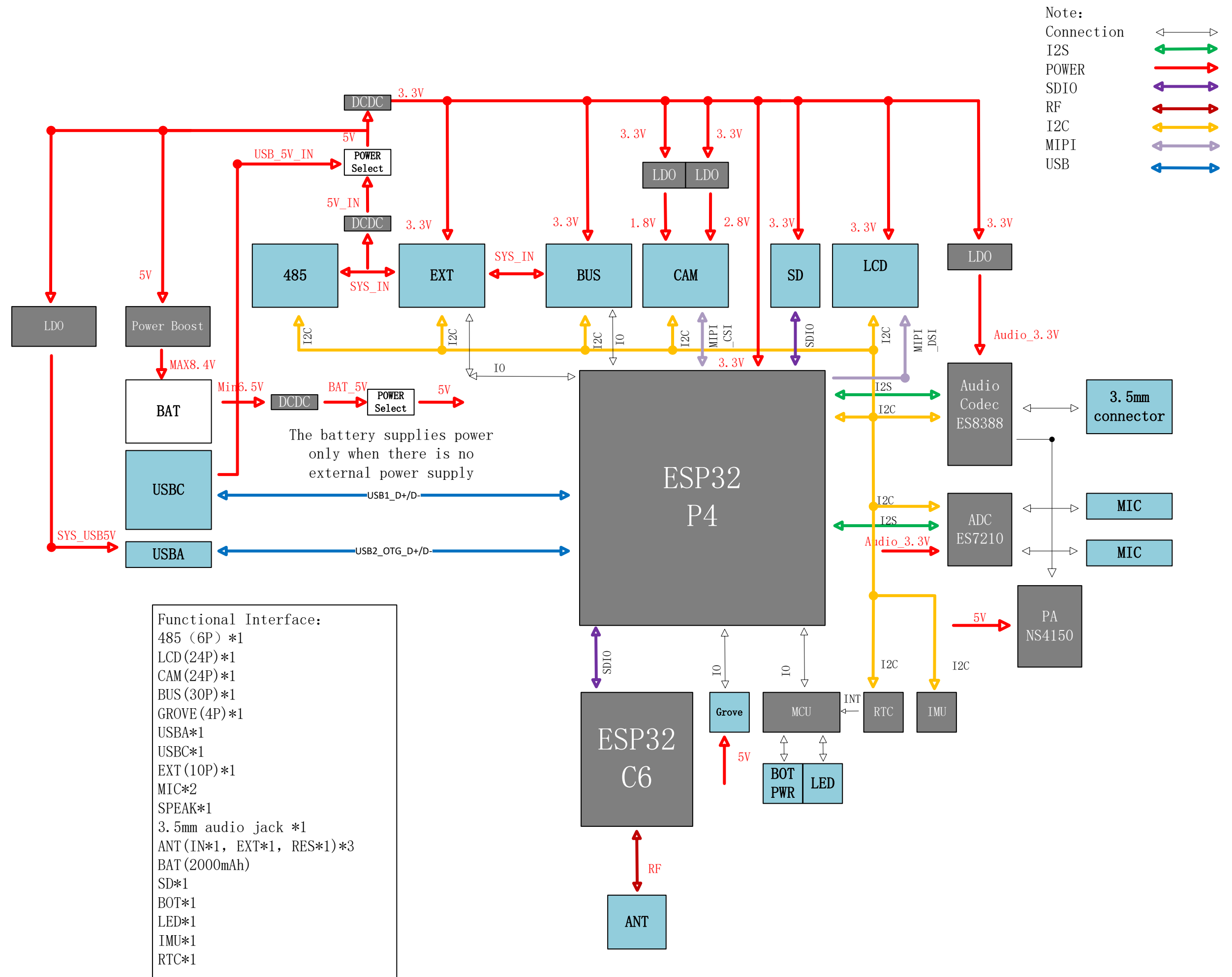
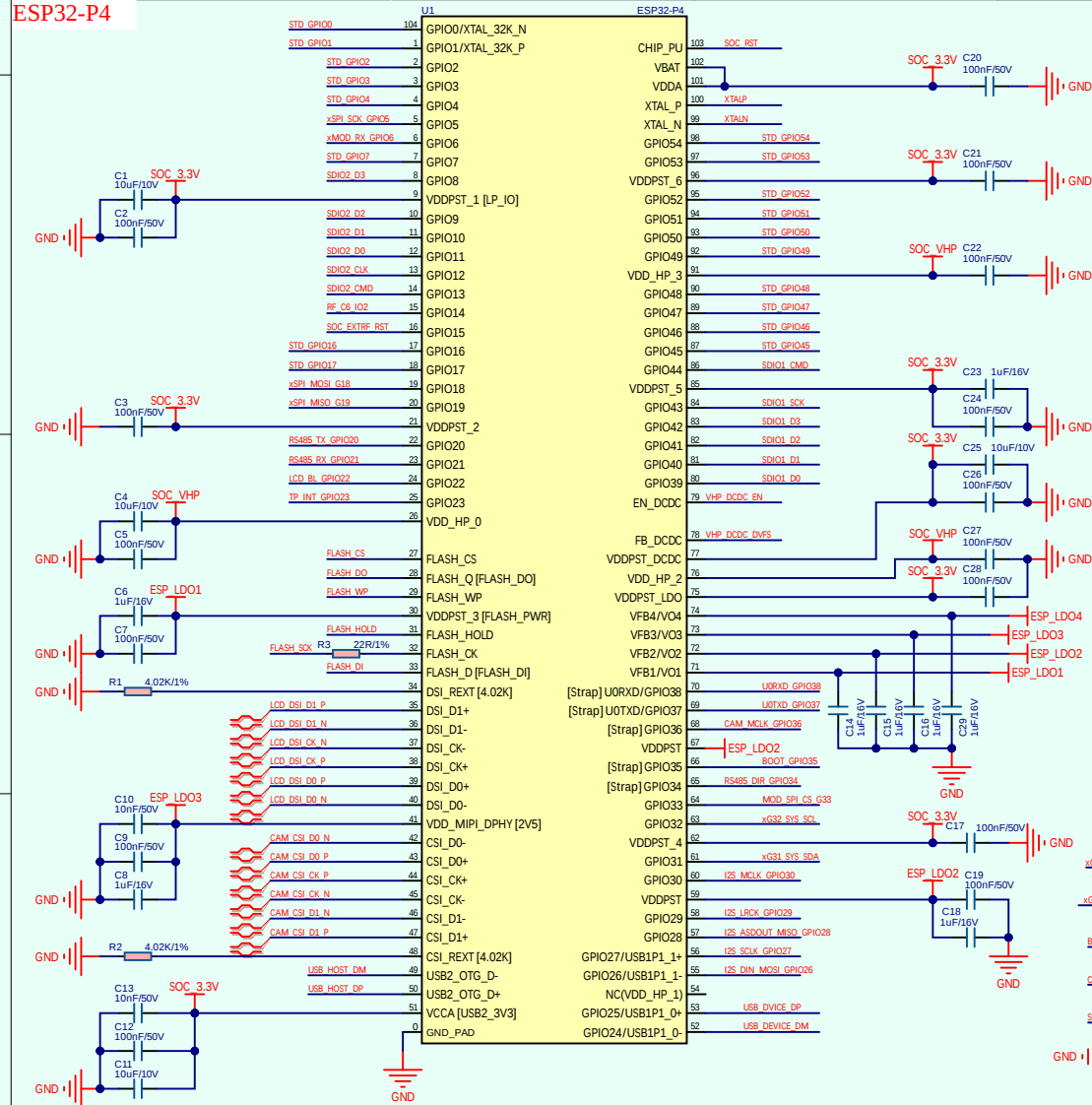
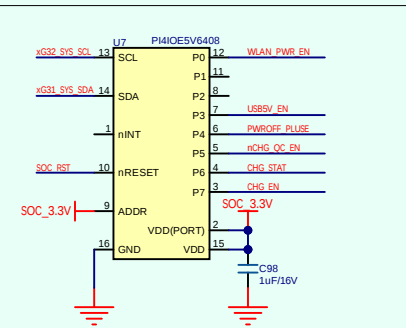
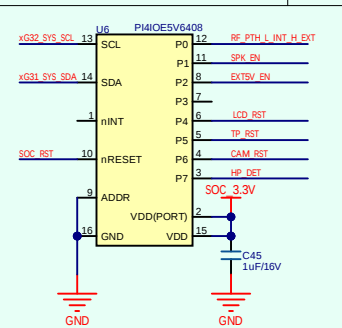
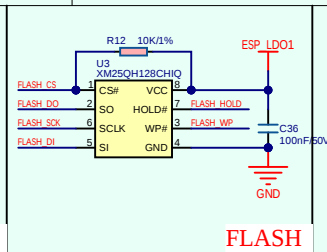
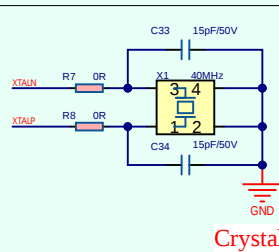
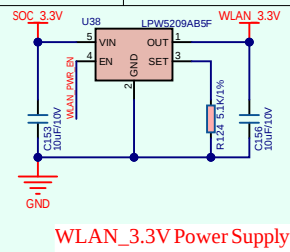
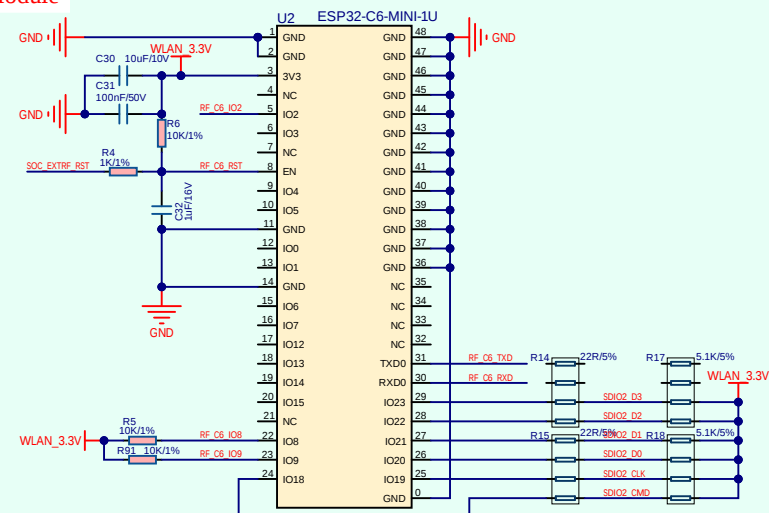




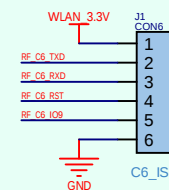
ESP32-P4



RF Module

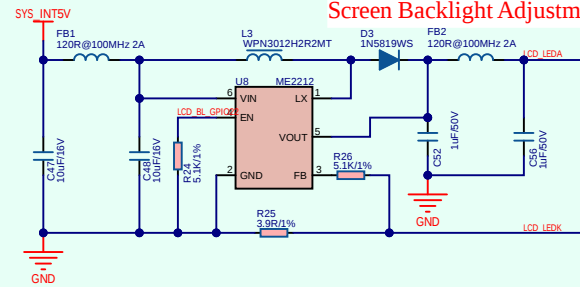


RF Module Debug Interface

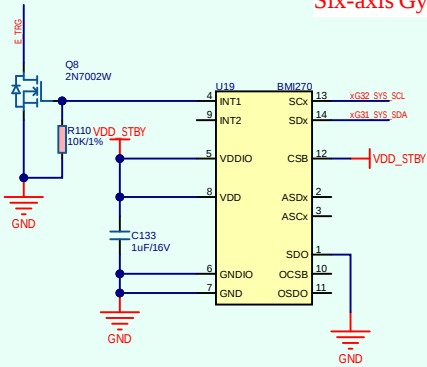


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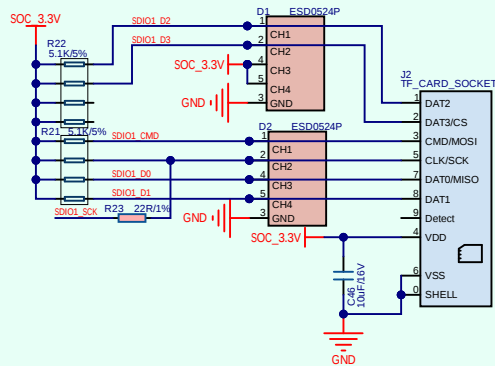
Screen Backlight Adjustment



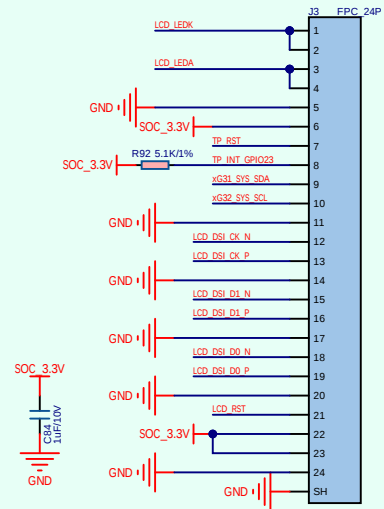
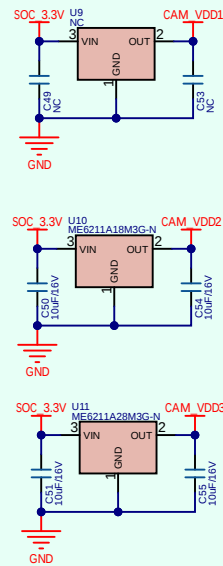
Six-axis Gyroscope



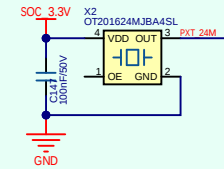
CARD



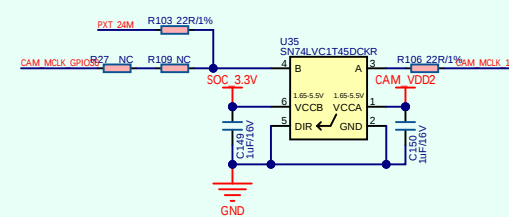
LCD FPC Connector

CAM Power
VDD1-Reserve
VDD2-1V8
VDD3-2V8

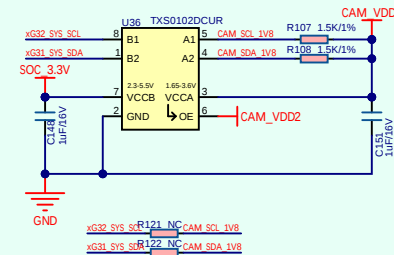
CAM Crystal



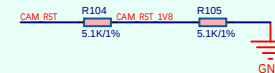
Voltage Level Shifting 3V3-1V8



The CAM clock is provided by an external crystal with a reserved IO for the crystal oscillator

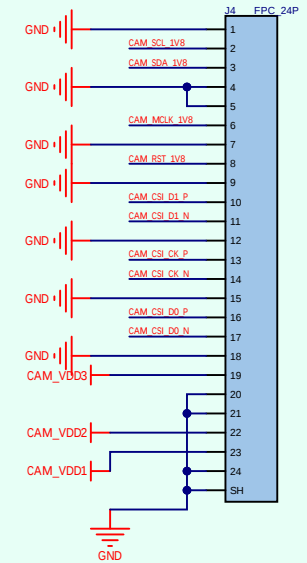


Reserved 3.3V I2C Signals



The RST signal undergoes level shifting through resistor voltage division.

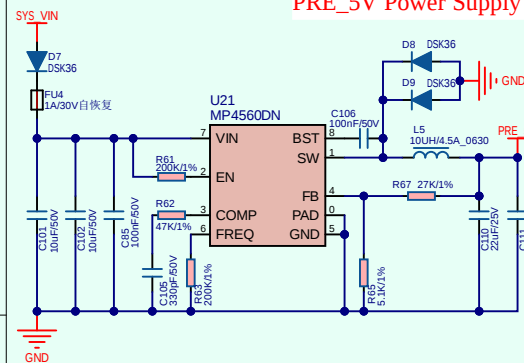
CAM FPC Connector



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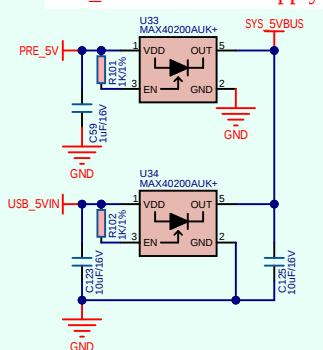
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PRE_5V Power Supply

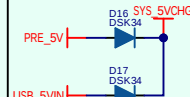


2

SYS_5VBUS Power Supply

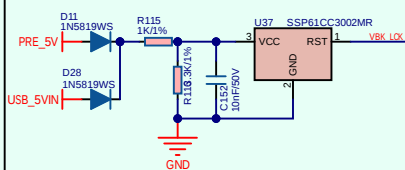


SYS_5VCHG Power Supply

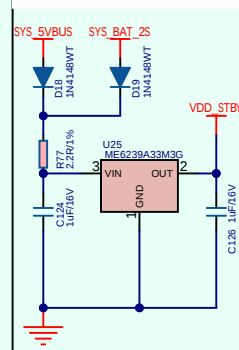


3

VBK_LCK Power Supply

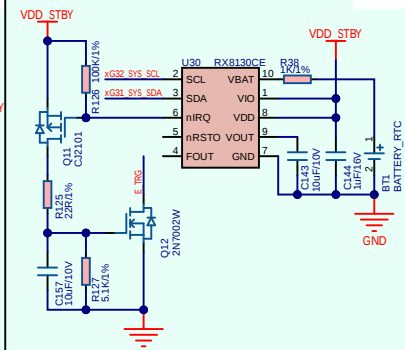


VDD_STBY Power Supply



4

RTC



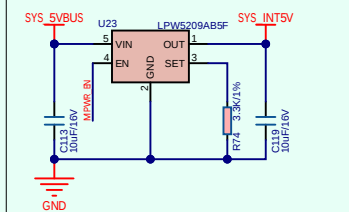
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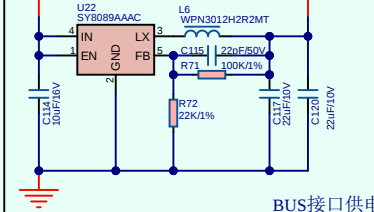
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B

SYS_INT5V Power Supply

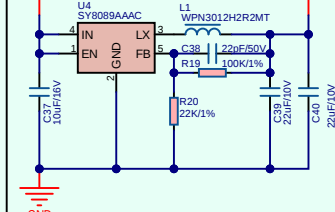


VBAT_OUT Power Supply

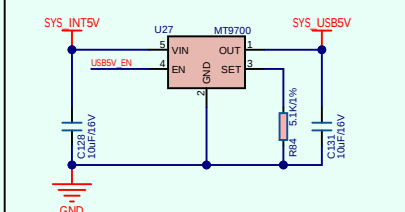


BUS接口供电

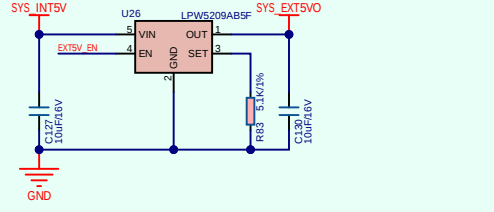
SOC_3.3V Power Supply



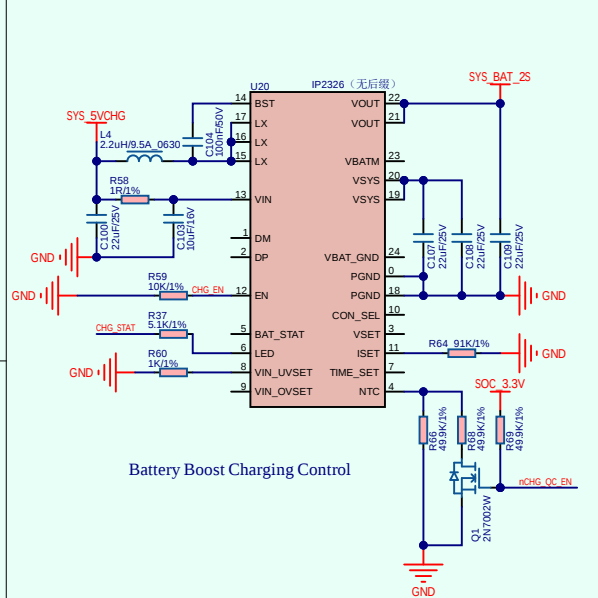
SYS_USB5V Power Supply



SYS_EXT5VO Power Supply

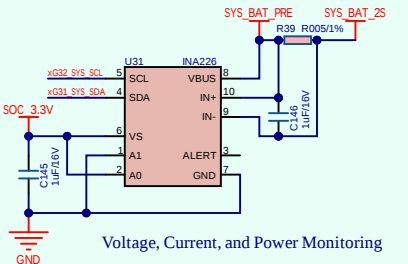


SYS_BAT_2S Power Supply



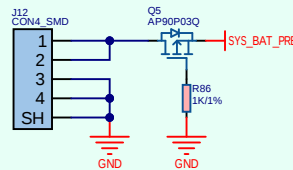
Battery Boost Charging Control

SYS_BAT_PRE Power Supply

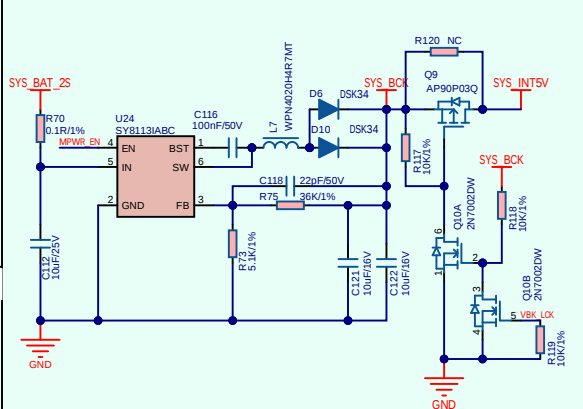


Voltage, Current, and Power Monitoring

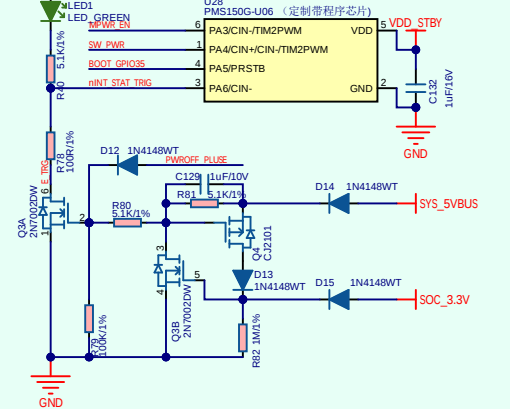
Battery Socket



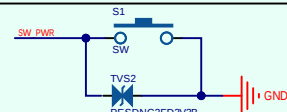
SYS_BCK Power Supply



MCU



Bottom



D

D

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