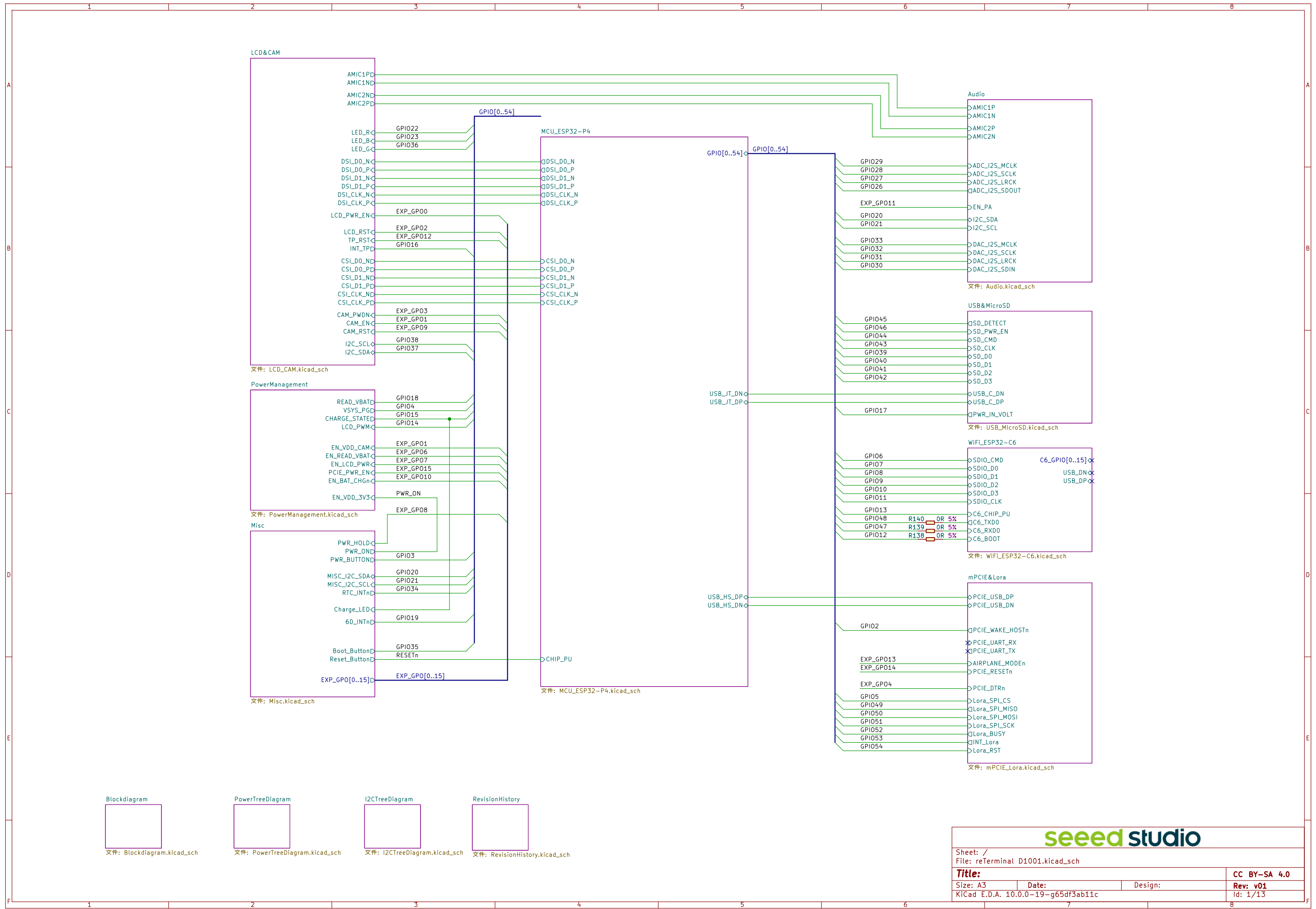
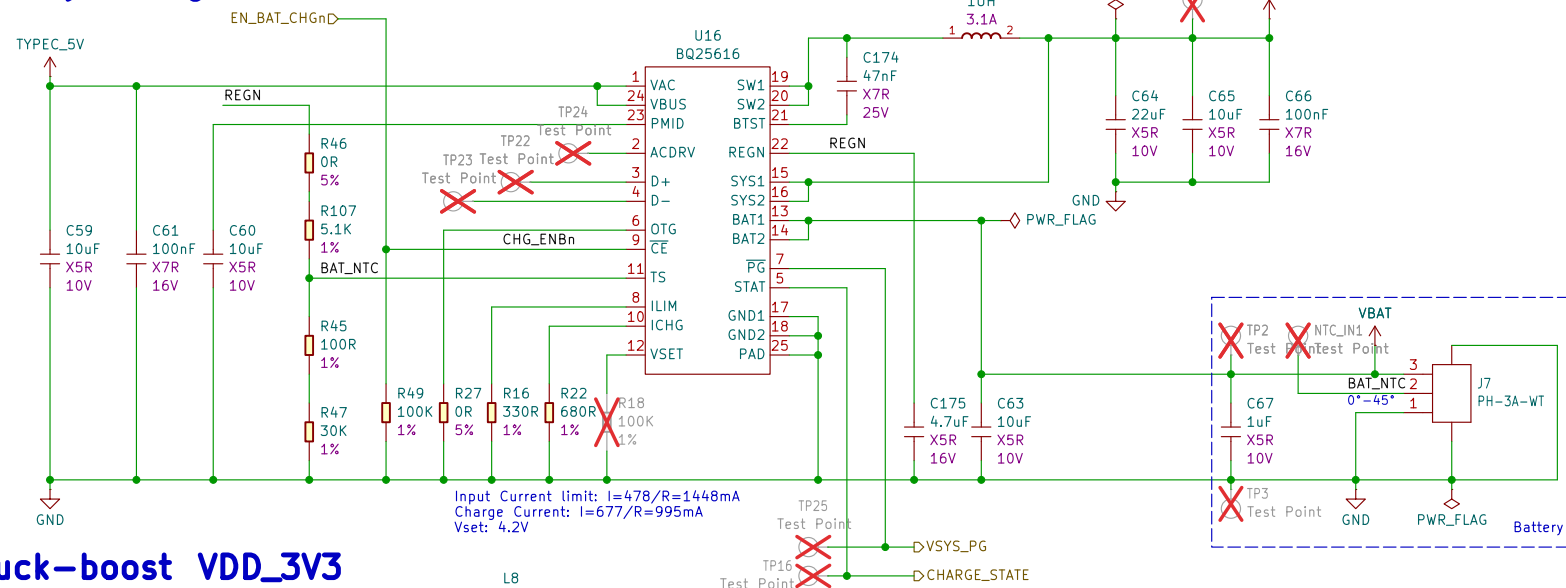
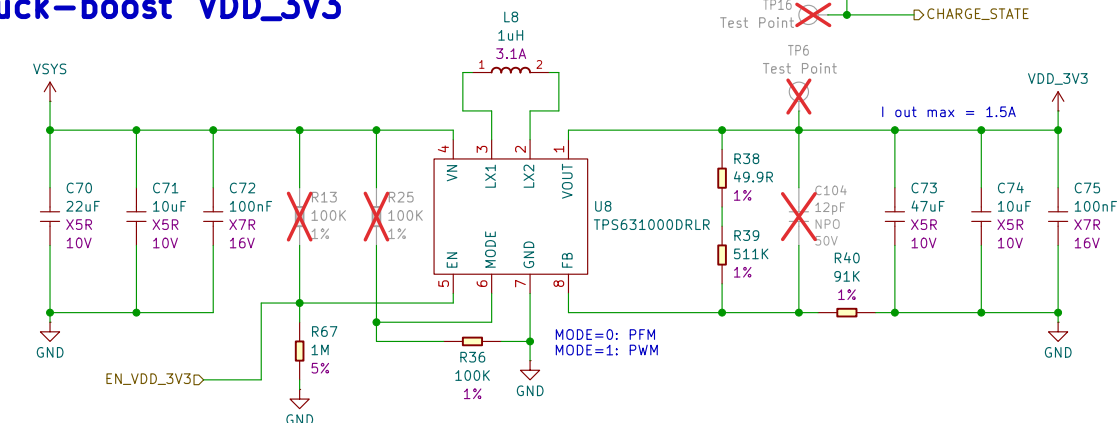




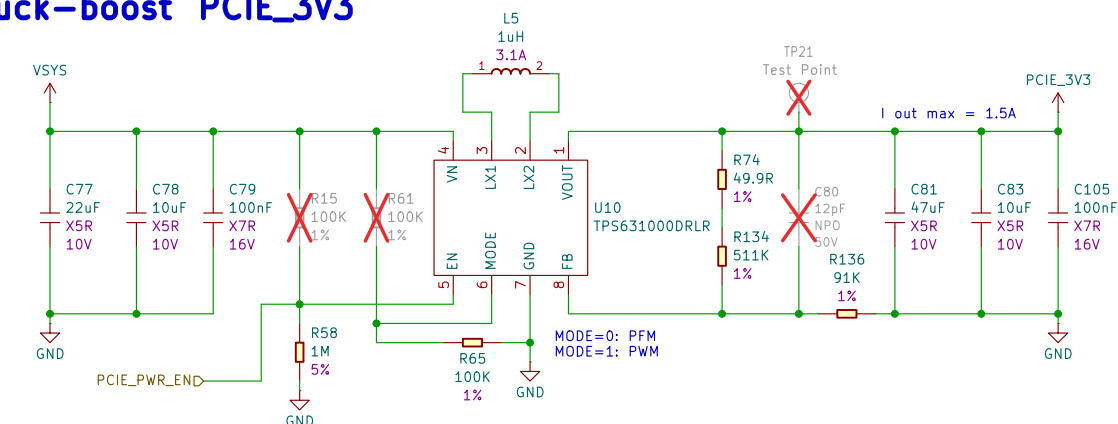
Battery Charger/Power Path



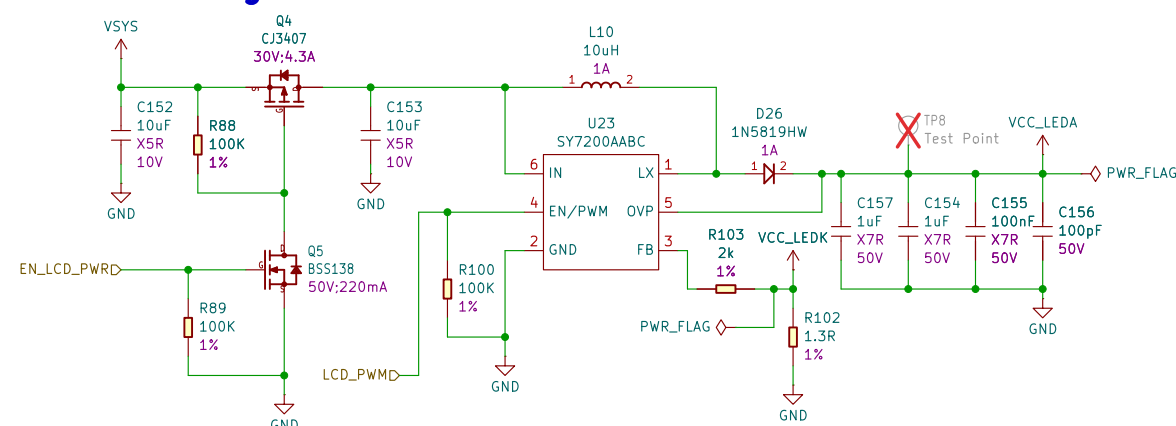
Buck-boost VDD_3V3



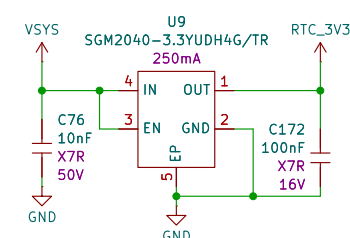
Buck-boost PCIE_3V3



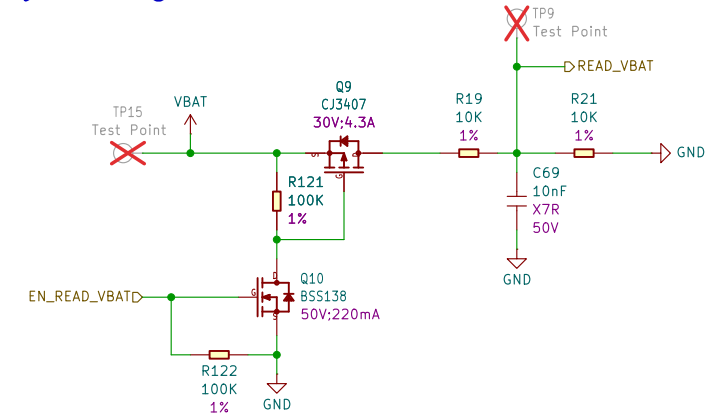
LCD Backlight



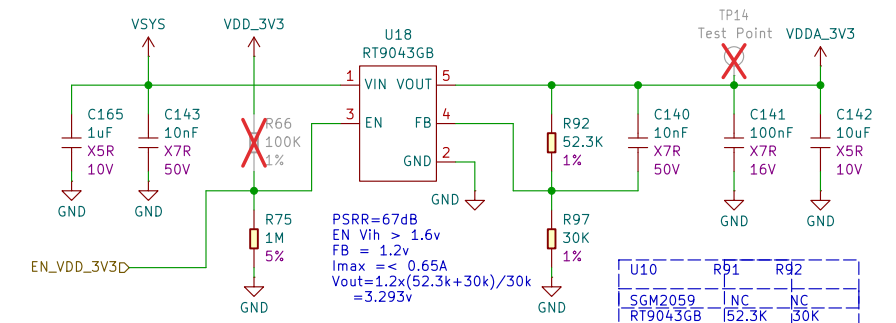
RTC_3V3



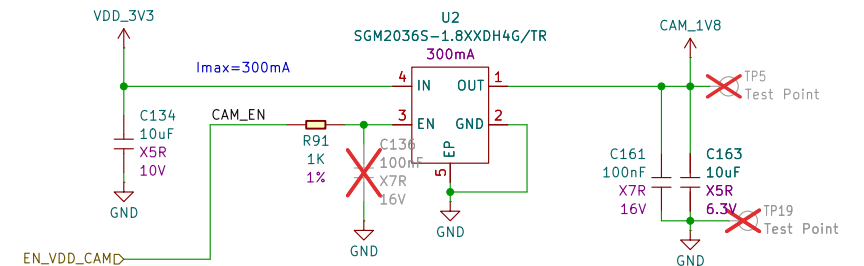
Battery voltage read switch



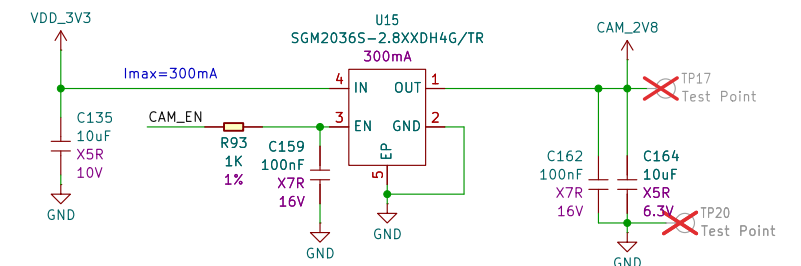
LDO VDDA_3V3



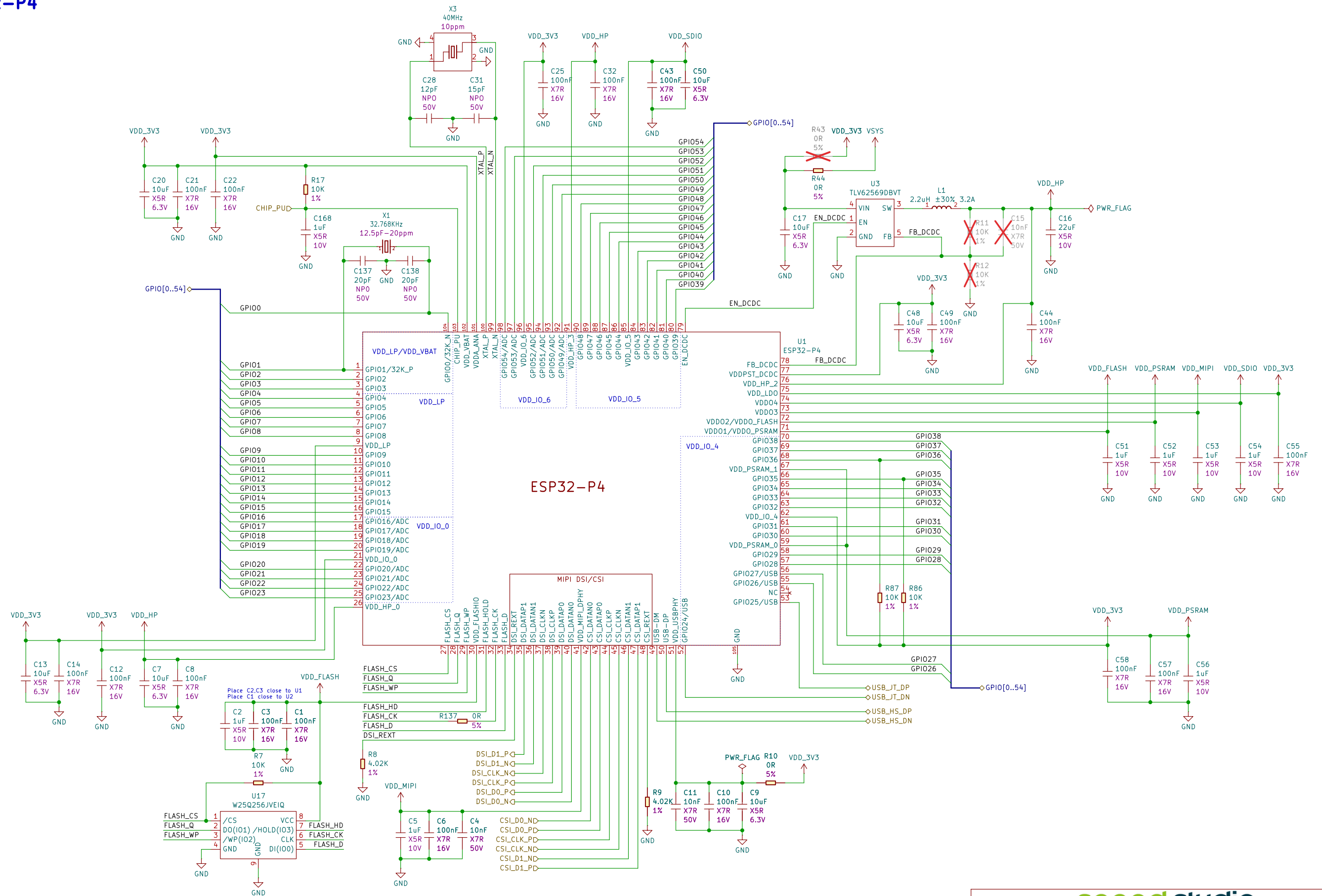
CAM_1V8



CAM_2V8



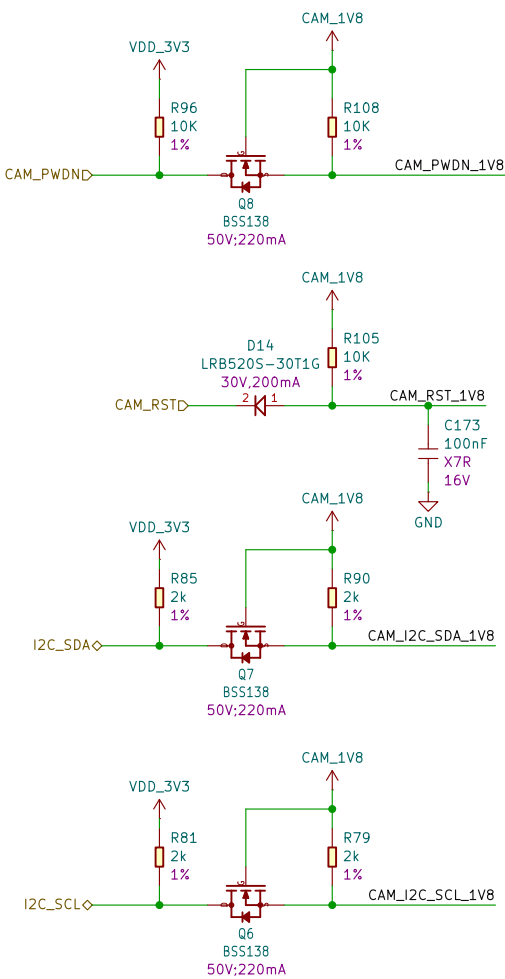
ESP32-P4



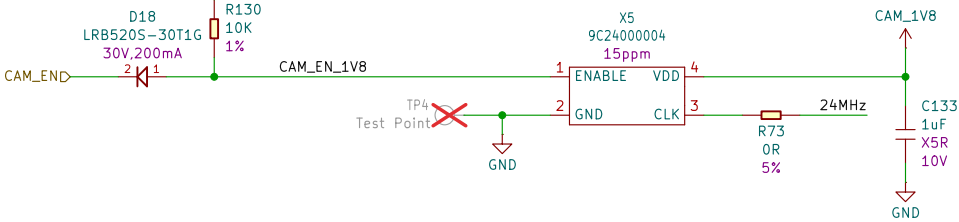
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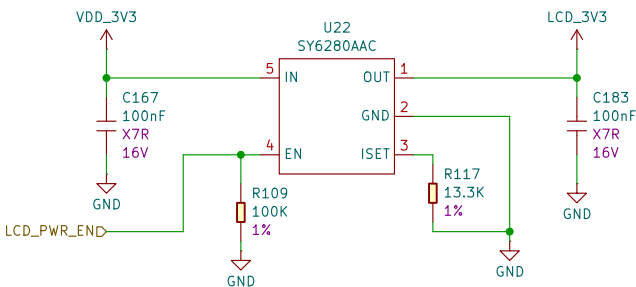
CAM CONTROL



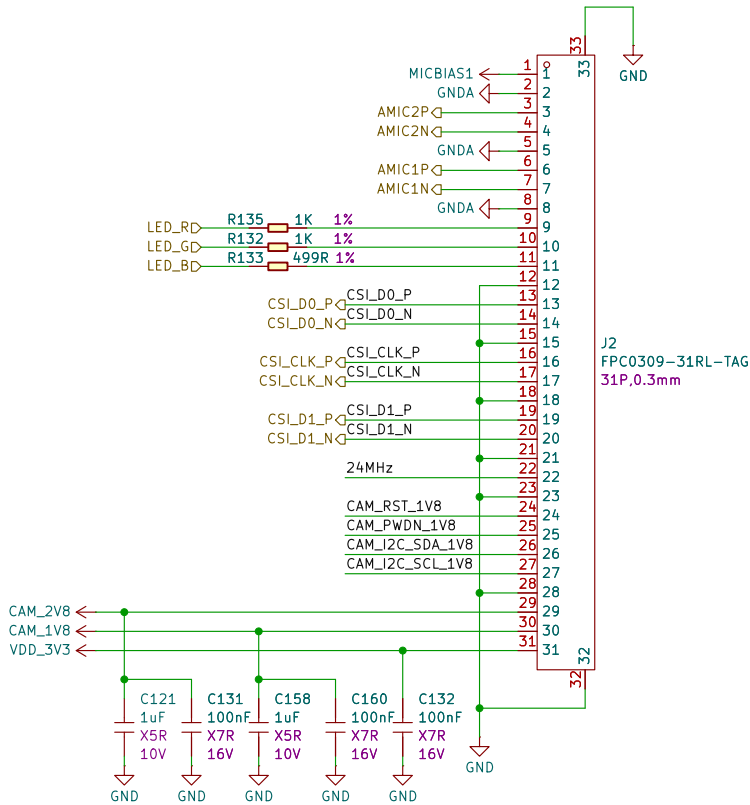
CLOCK



LCD POWER SWITCH

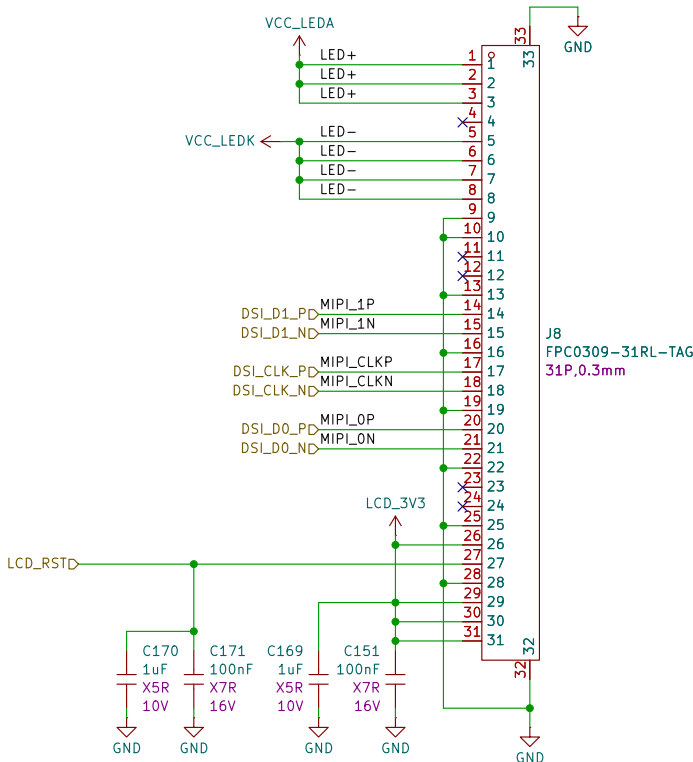


CAM CONN.

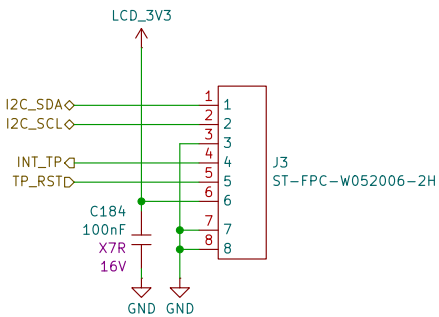


I2C Address:
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LCD CONN.



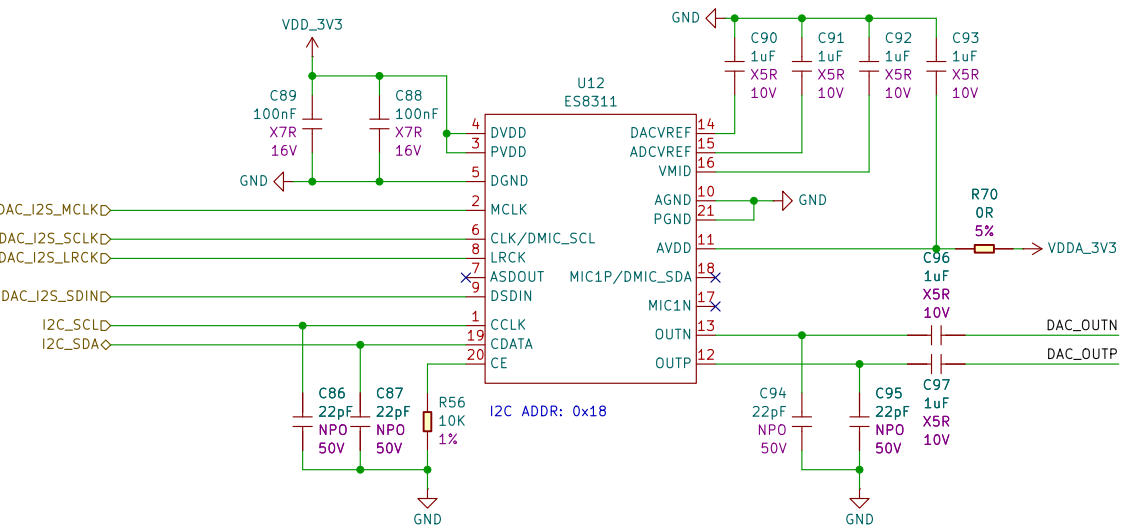
TP CONN.



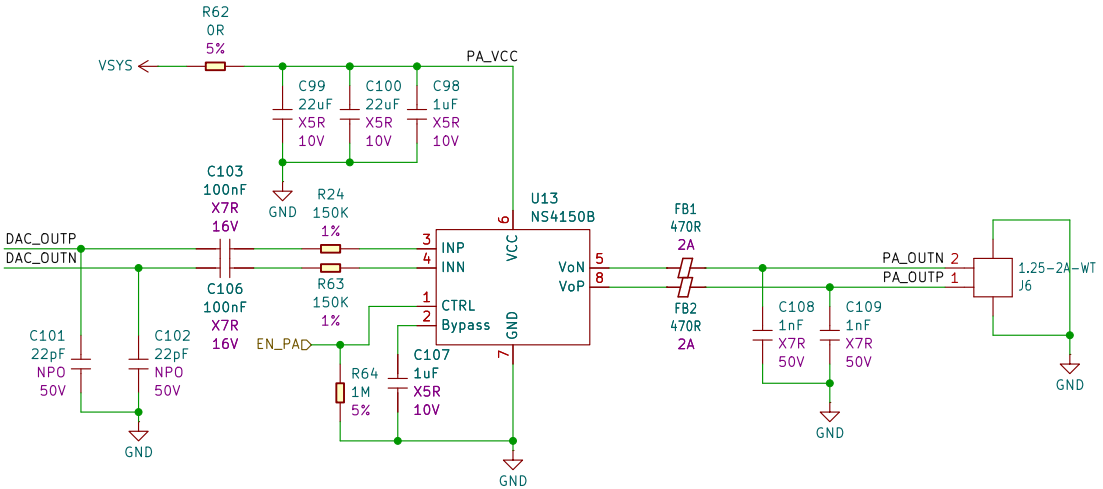
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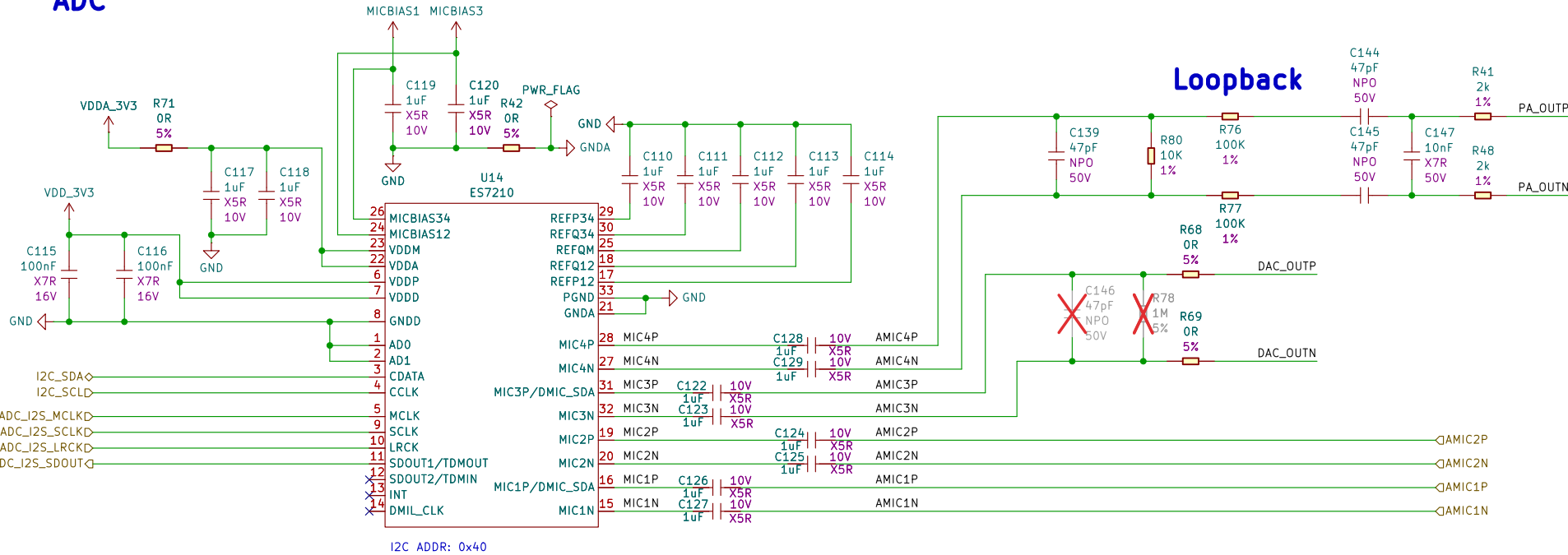
Codec



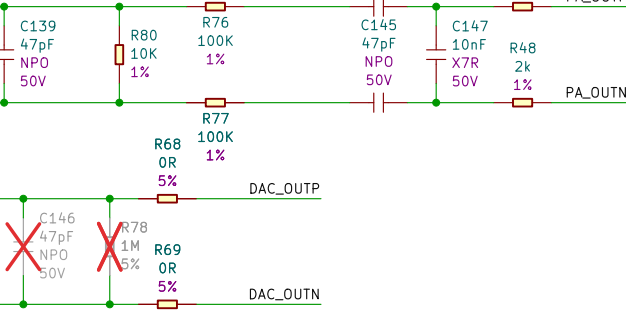
Power Amplifier



ADC

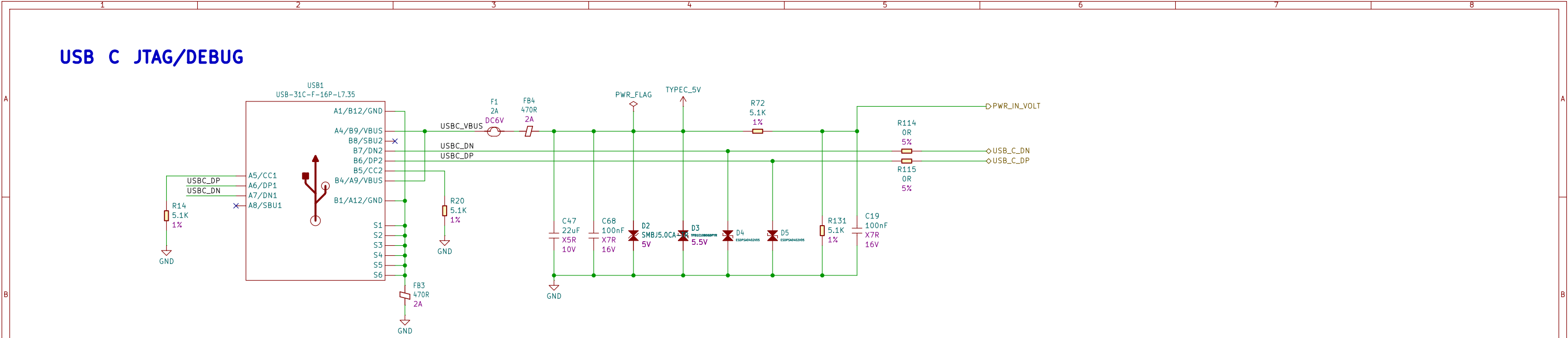


Loopback



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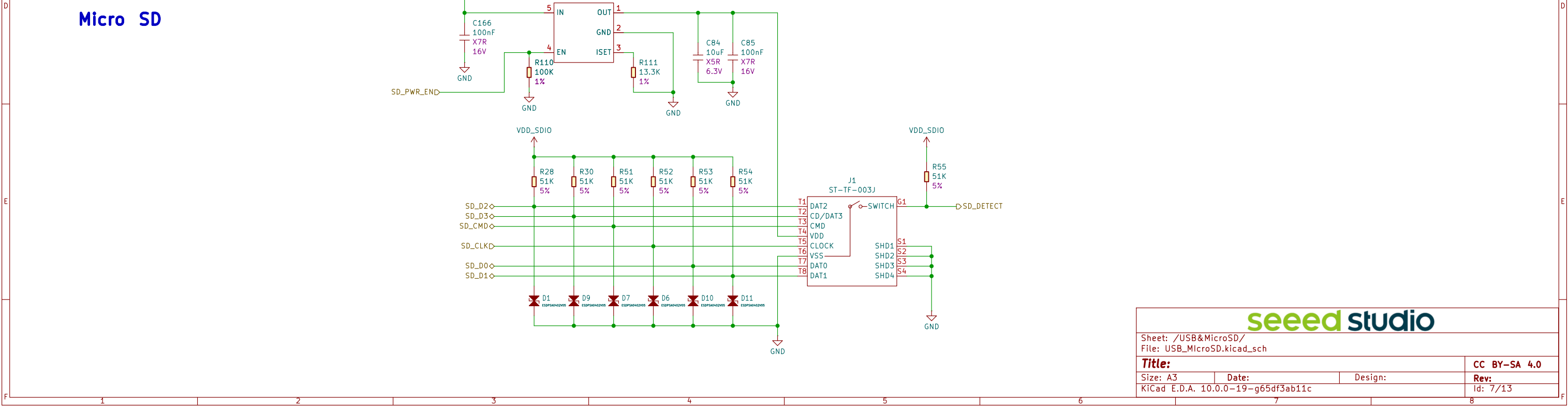
The schematic diagram illustrates the USB C JTAG/DEBUG interface circuit. It features a USB C connector (USB1) with pins A1/B12/GND, A4/B9/VBUS, B8/SBU2, B7/DN2, B6/DP2, B5/CC2, B4/A9/VBUS, and B1/A12/GND. The circuit includes a USB C to JTAG/DEBUG adapter (USB1-31C-F-16P-L7.35) with pins A5/CC1, A6/DP1, A7/DN1, and A8/SBU1. The circuit includes various components: resistors (R14, R20, R72, R114, R115, R131), capacitors (C47, C68, C19), diodes (D2, D3, D4, D5), and fuses (F1, FB4, FB3). It also shows power and ground connections, including PWR_FLAG, TYPEC_5V, PWR_IN_VOLT, USB_C_DN, and USB_C_DP.

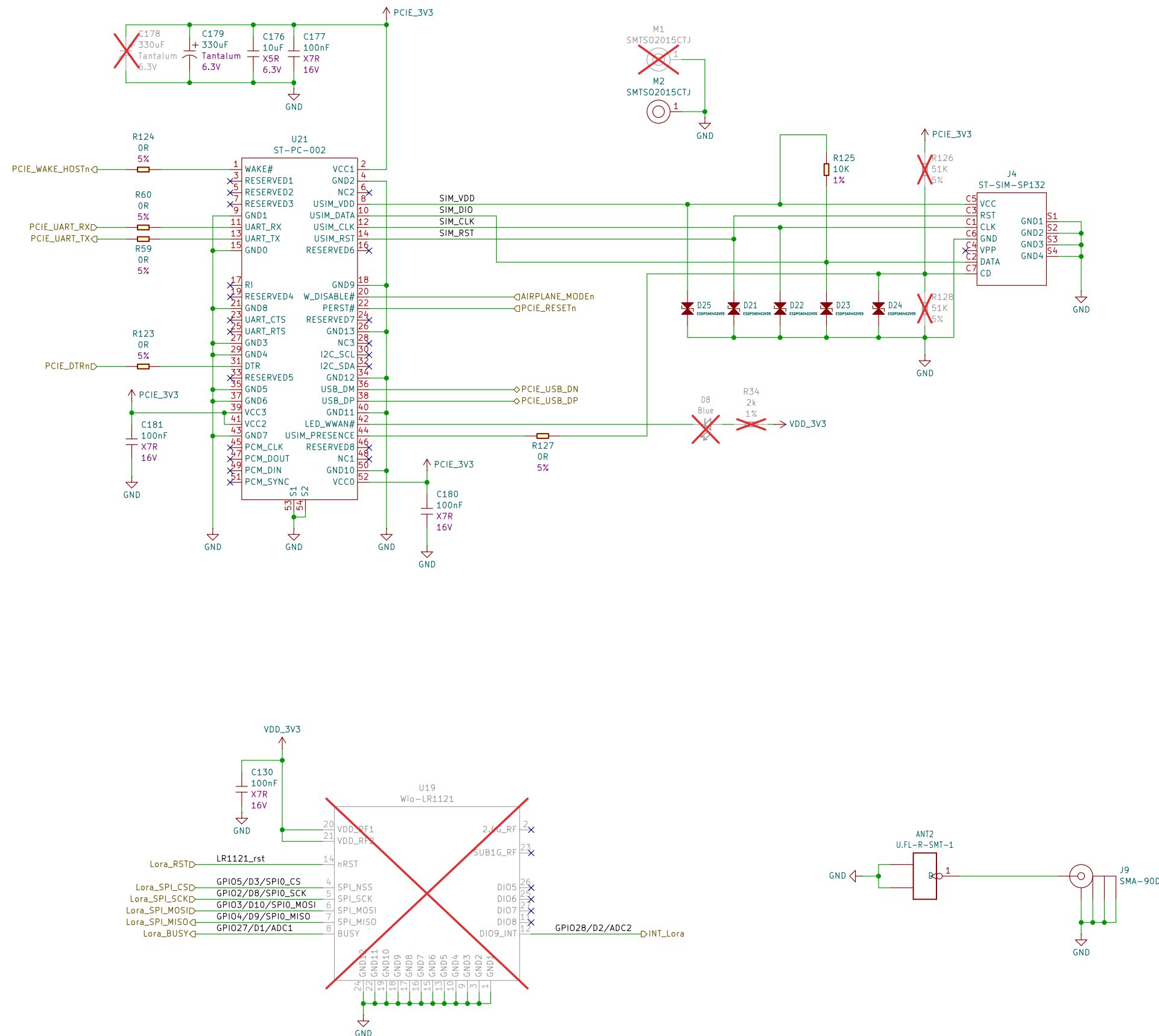


The schematic diagram illustrates the electrical connections for a Micro SD card. It includes the following components and connections:

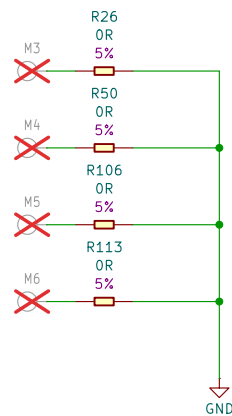
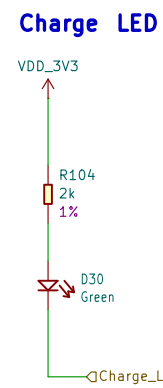
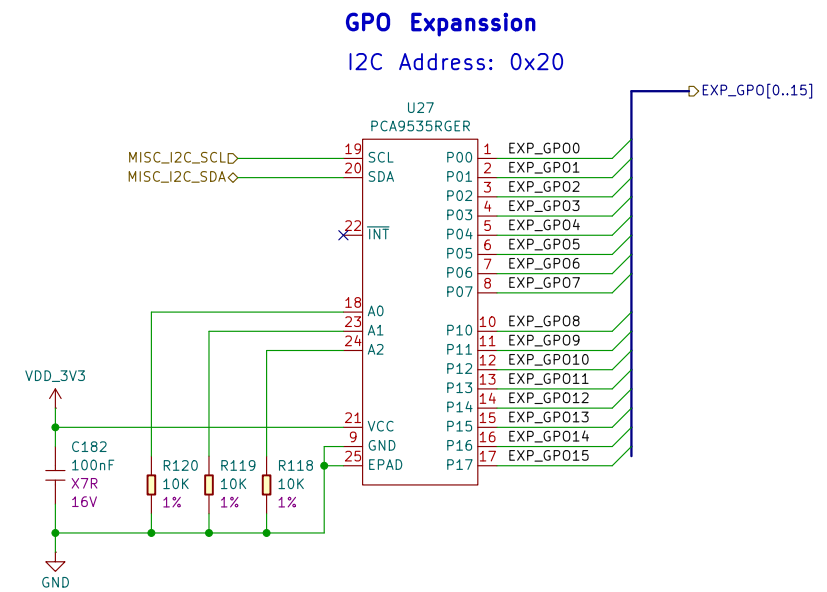
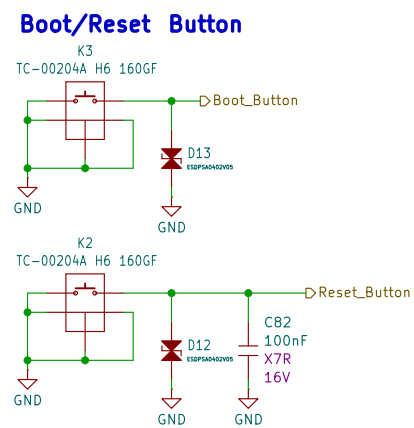
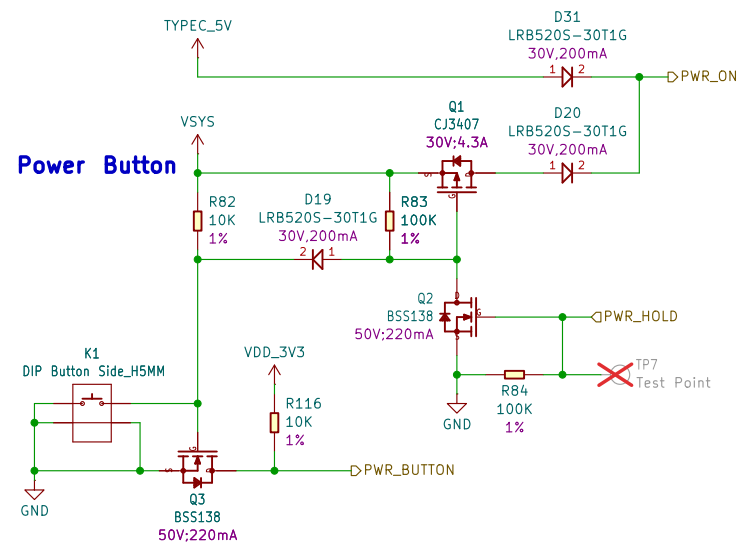
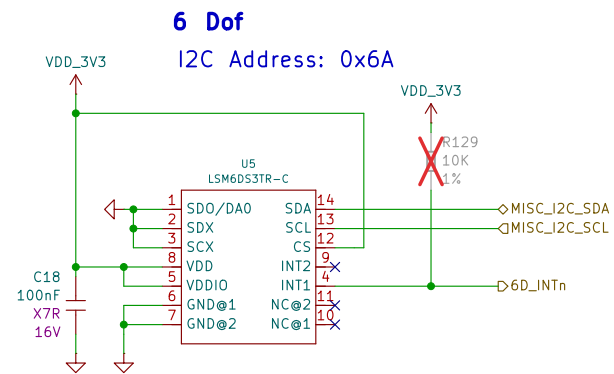
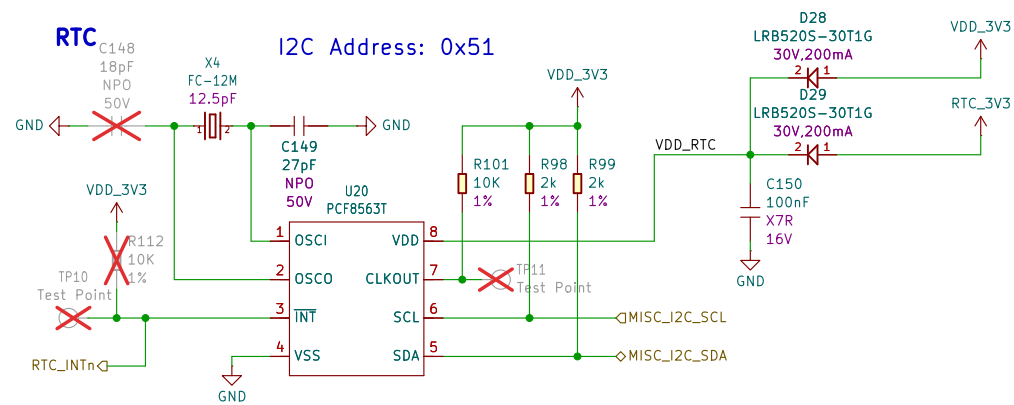
- Power Section:**
 - SD_PWR_END:** Connected to the EN pin (pin 4) of the SD card.
 - IN pin (pin 5):** Connected to a 16V supply through a 100nF capacitor (C166).
 - OUT pin (pin 1):** Connected to a 6.3V supply through a 10uF capacitor (C84) and a 100nF capacitor (C85).
 - ISET pin (pin 3):** Connected to a 13.3K resistor (R111) to GND.
 - EN pin (pin 4):** Connected to a 100K resistor (R110) to GND.
- Signal Section:**
 - SD_D0, SD_D1, SD_D2, SD_D3, SD_CMD, SD_CLK:** These pins are connected to a 5V supply through a 51K resistor (R28, R30, R51, R52, R53, R54).
 - SD_D0, SD_D1, SD_D2, SD_D3, SD_CMD, SD_CLK:** These pins are also connected to a 5V supply through a 51K resistor (R55).
- Data Section:**
 - SD_D0, SD_D1, SD_D2, SD_D3, SD_CMD, SD_CLK:** These pins are connected to a 5V supply through a 51K resistor (R55).
- Other Components:**
 - J1 (ST-TF-003J):** A switch component used for selecting between different data paths.
 - D1, D9, D7, D6, D10, D11:** Diodes connected to the SD card pins.

The diagram is a schematic representation of the hardware connections for the Micro SD card, showing the internal components and their electrical characteristics.



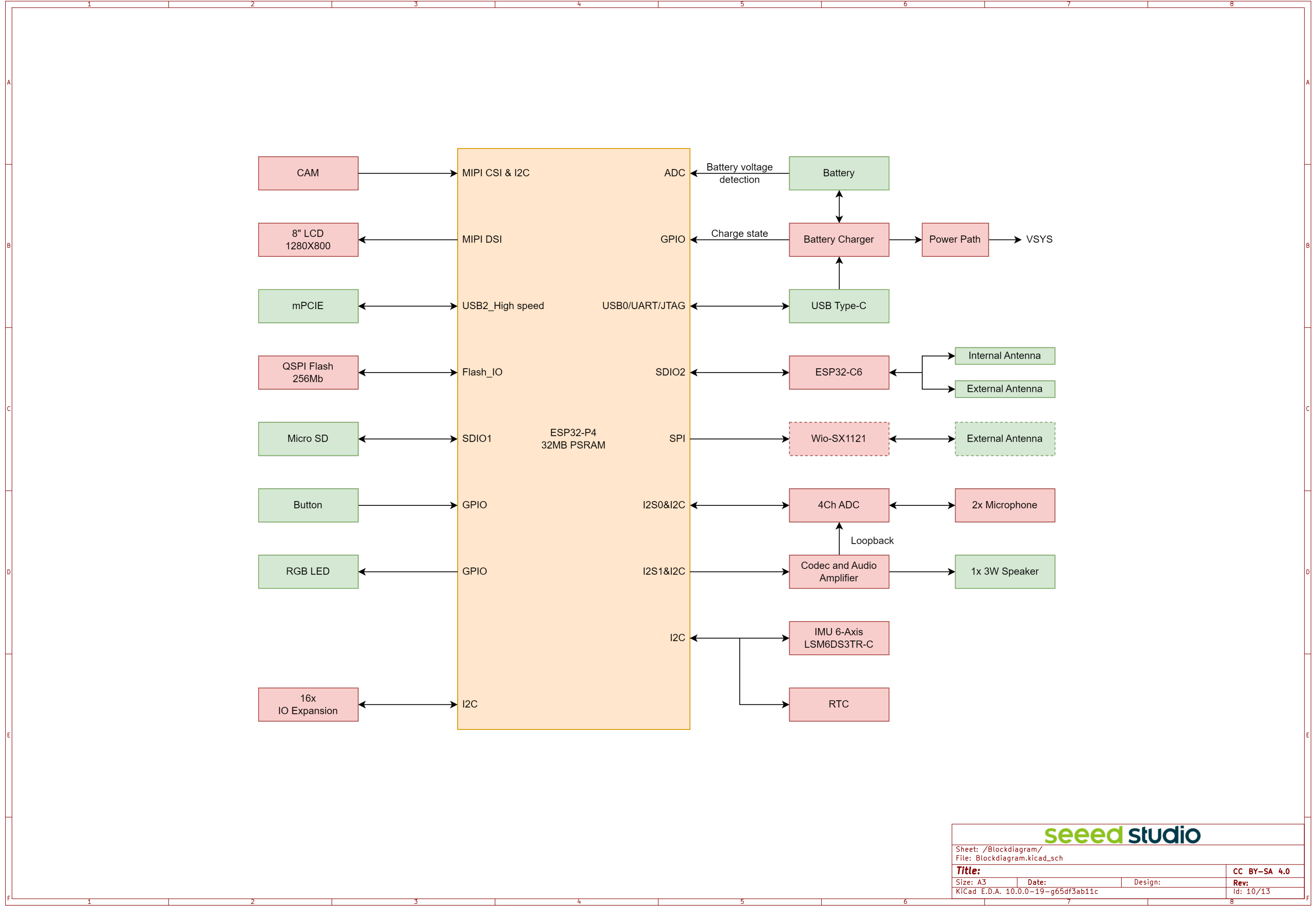


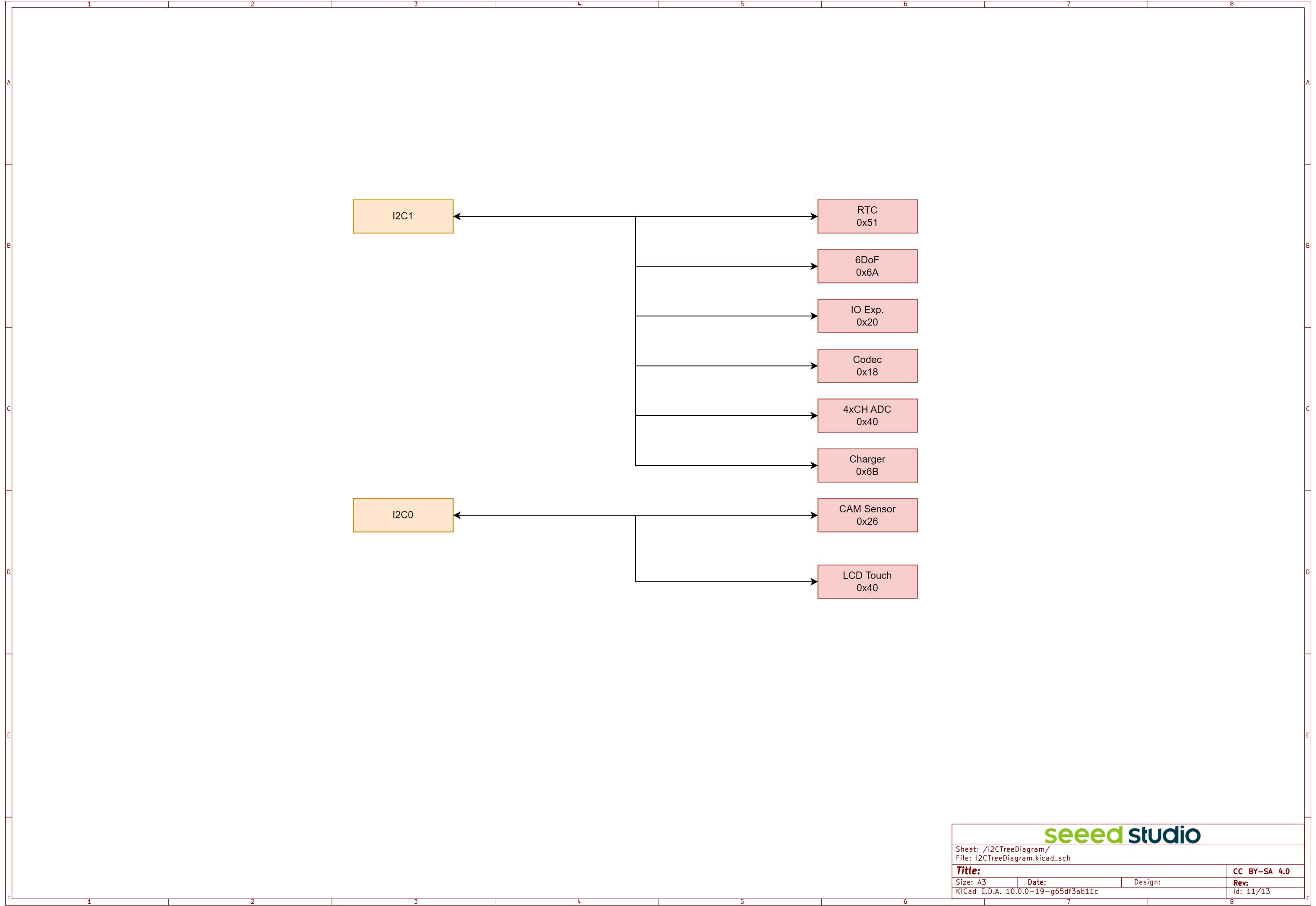
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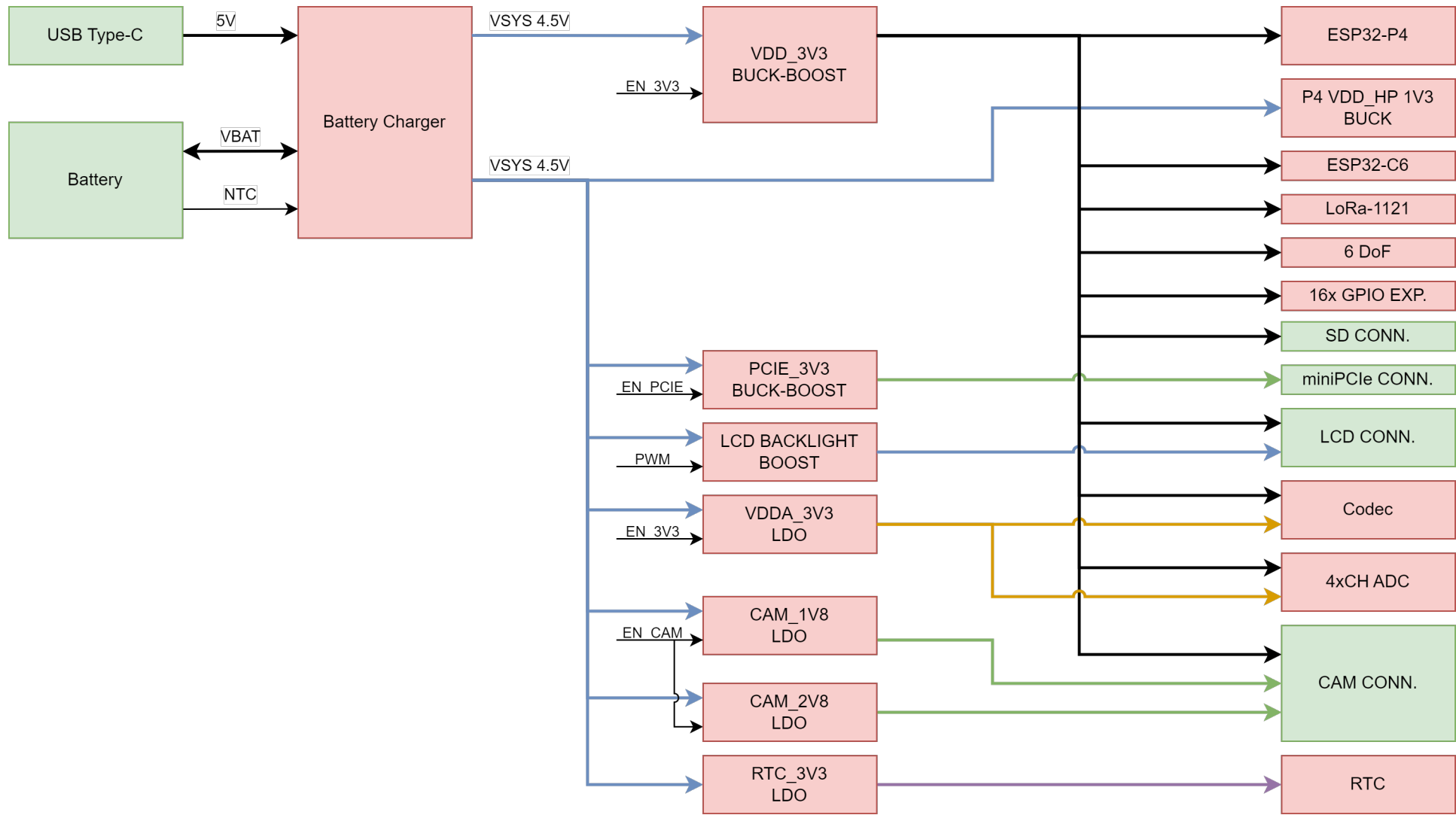


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Revision History			
DATE	REVISION	DESCRIPTION	
2025/10/15	V01	Initail release.	



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