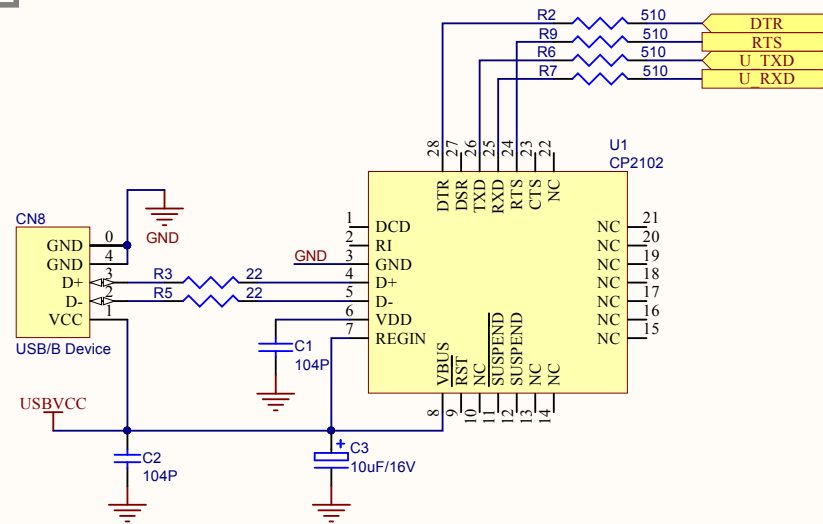
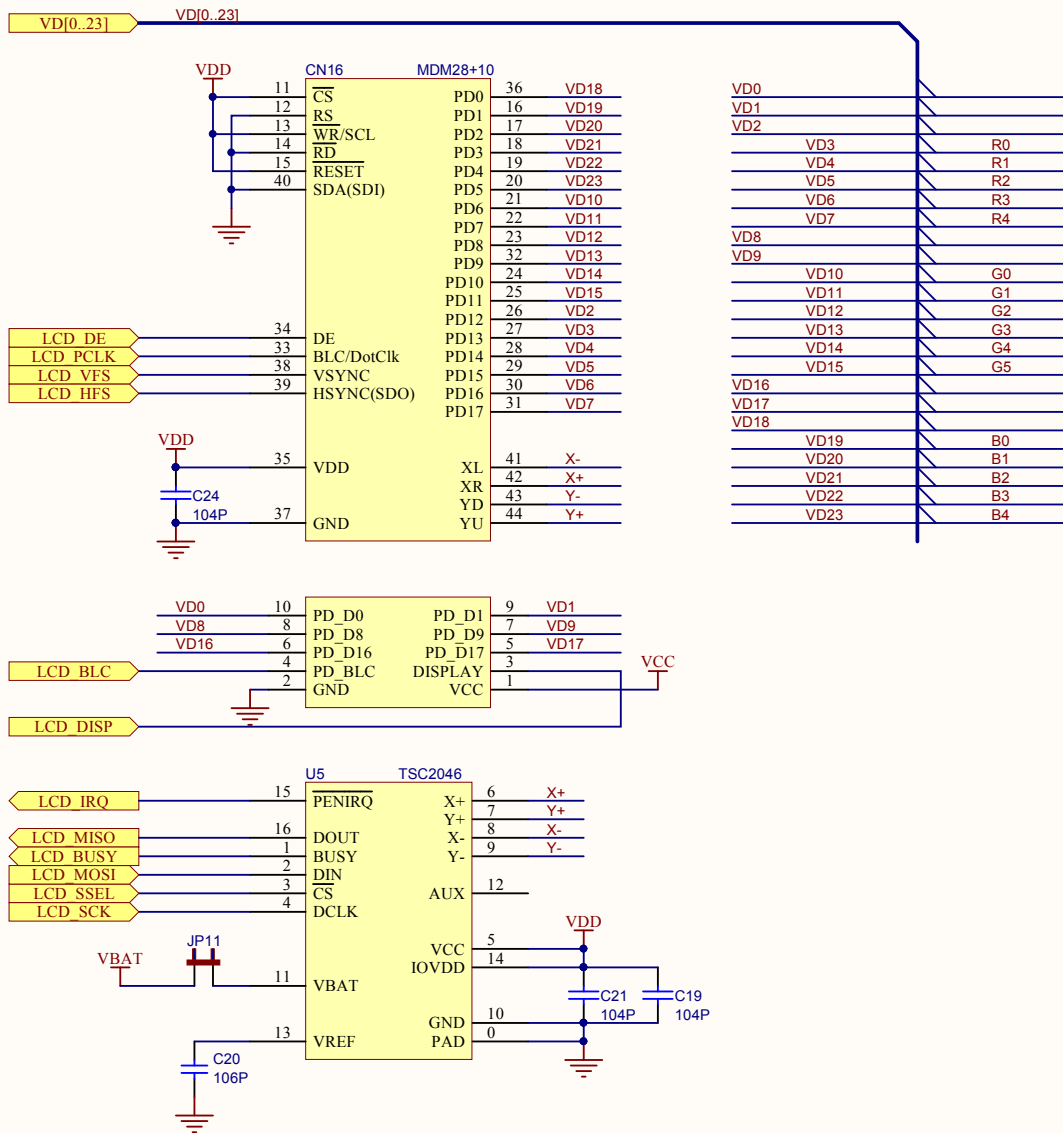


USB-UART



UART



1

2

3

4

A

A

B

B

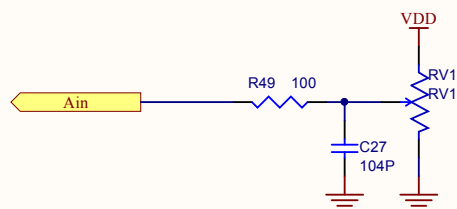
C

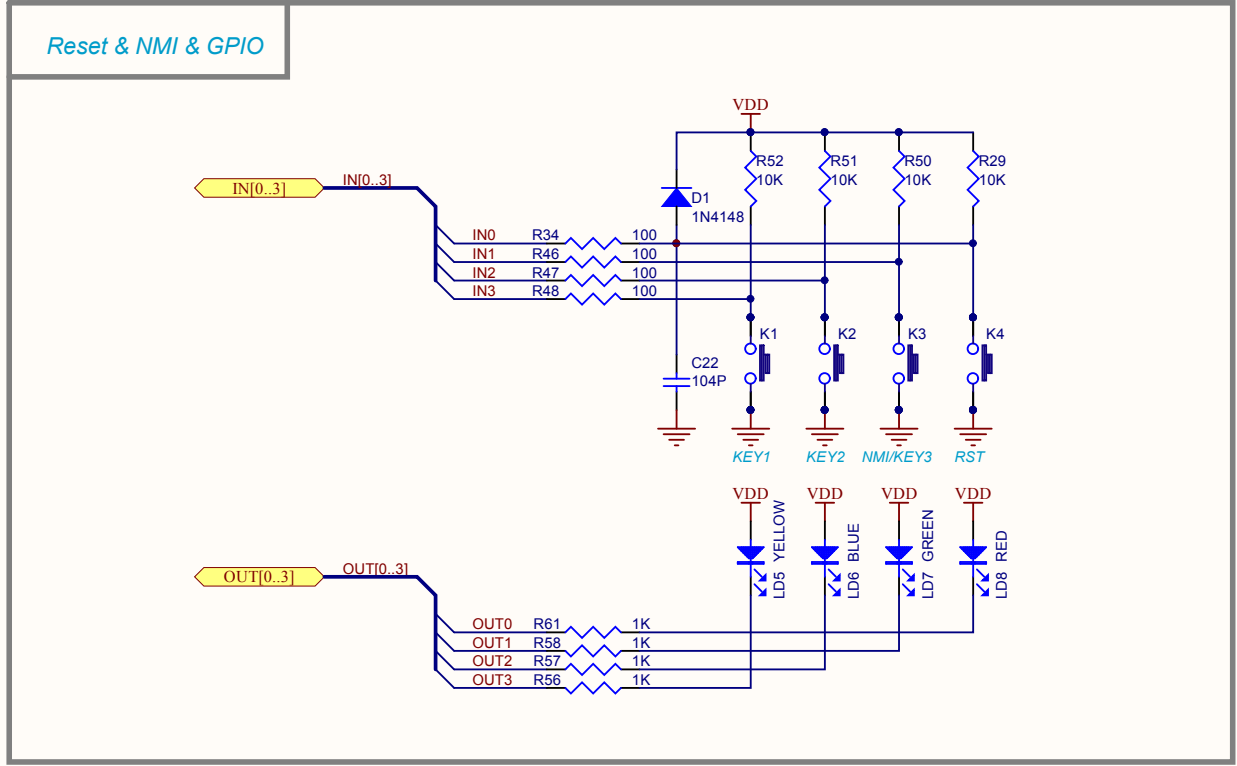
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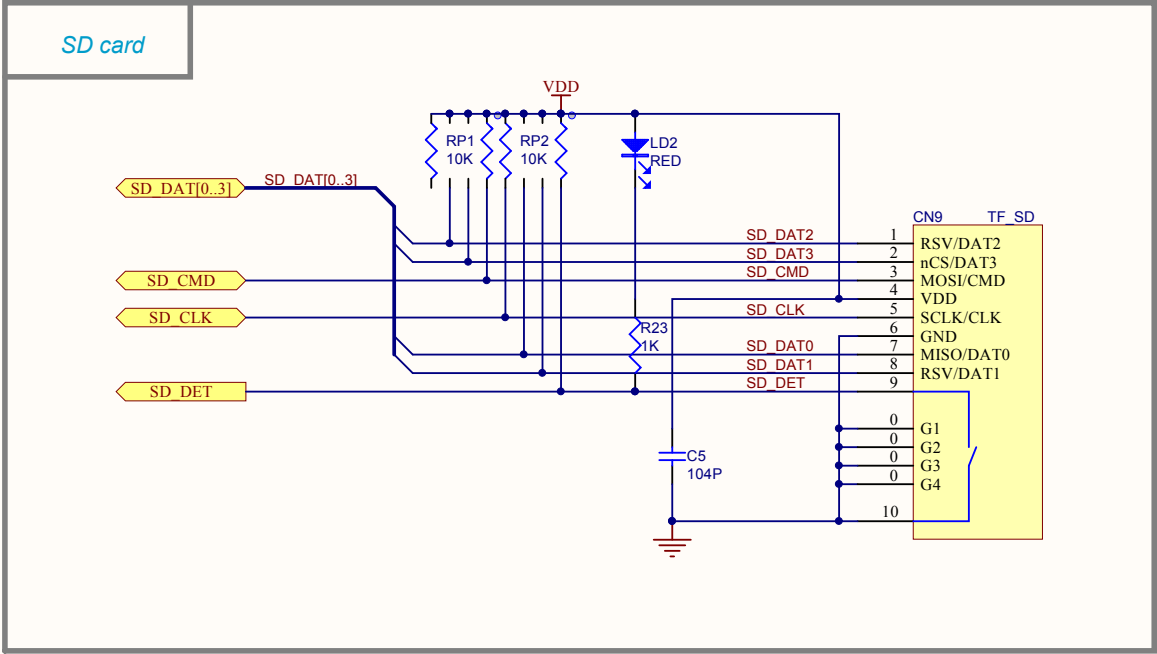
D

D

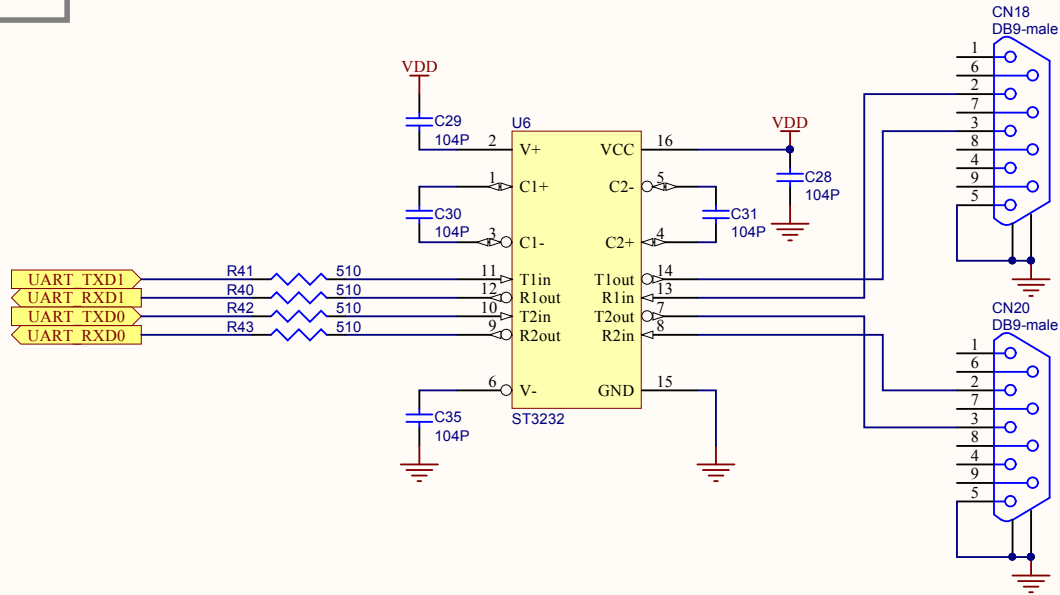
ADC



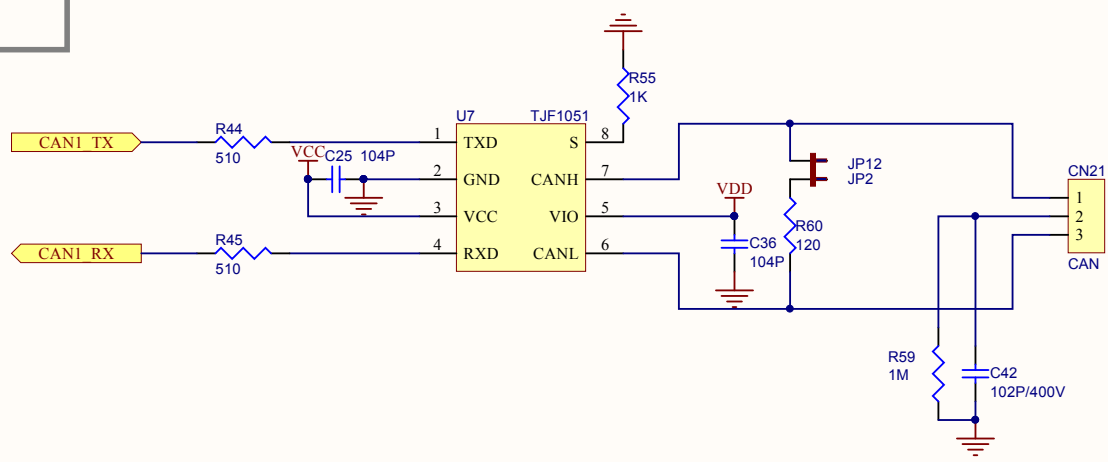




UART



CAN1



[illegible]

The diagram illustrates the internal circuitry of a USB Power module. It features a MIC2026 voltage regulator (U3) which is configured as a step-down converter. The input to the regulator is connected to the VDDVCC pin (pin 7) and is pulled up to the VBUS2 supply line by a 10K resistor (RP3). The regulator's output (pin 8, OUTA) is connected to the VBUS2 supply line. The enable pin (pin 1, ENA) is connected to the USB2_EN signal, and the feedback pin (pin 2, ENB) is connected to the USB2_OVRCR signal. The regulator's ground pins (pin 6, GND) are connected to the common ground. The output of the regulator is filtered by a 330 ohm resistor (R24) and a 104pF capacitor (C18). A red LED (LD3) is connected in series with the output. A 10uF/16V electrolytic capacitor (C15) is connected in parallel with the output to provide additional filtering and stability.

I2S

