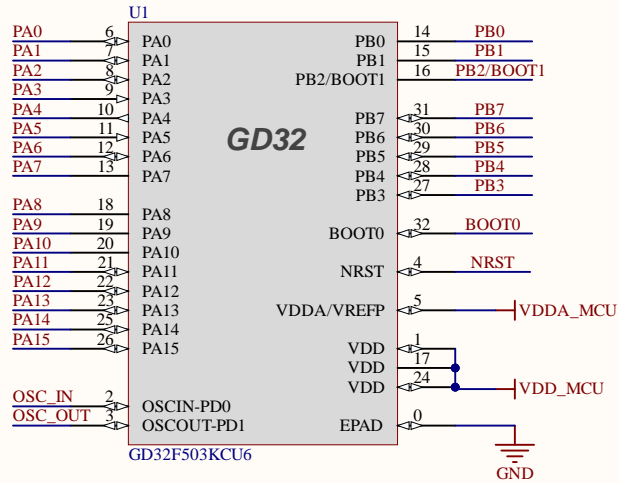
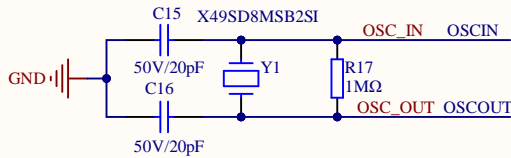


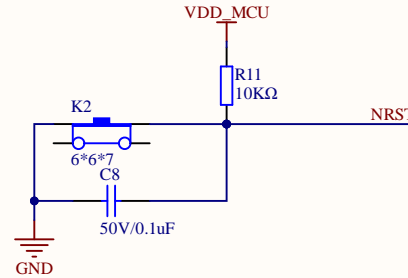
MCU



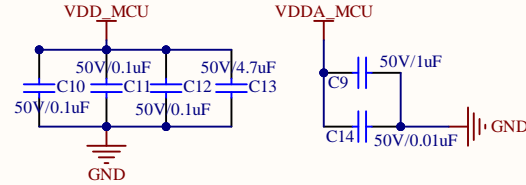
HXTAL



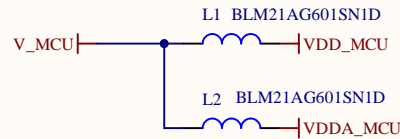
NRST



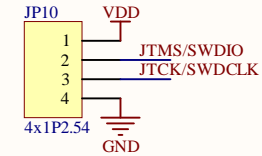
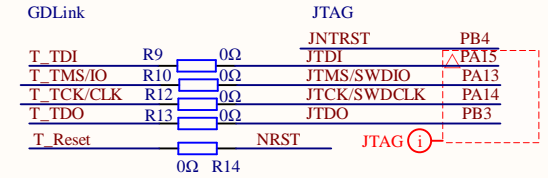
Filter



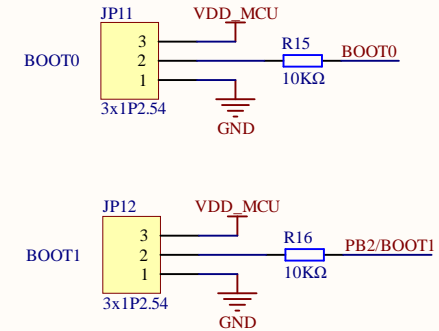
Notice:
Smaller capacitors should be placed closer to the MCU power pins.



JTAG/SWD



BOOT



Project Title: **GD32F503K-START**

Sheet Title: **MCU**

Size:
A4

Designer: **Lyon.Liu**

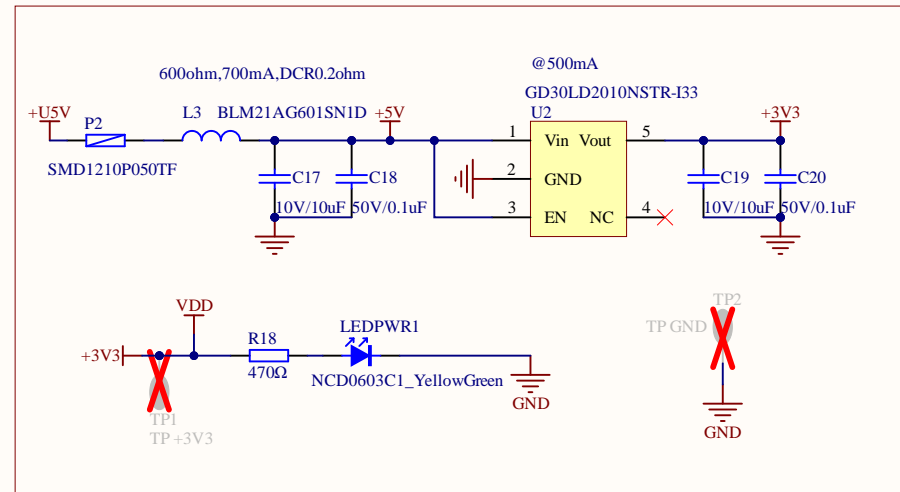
Revision: **1.1**

Sheet: **1 of 7**

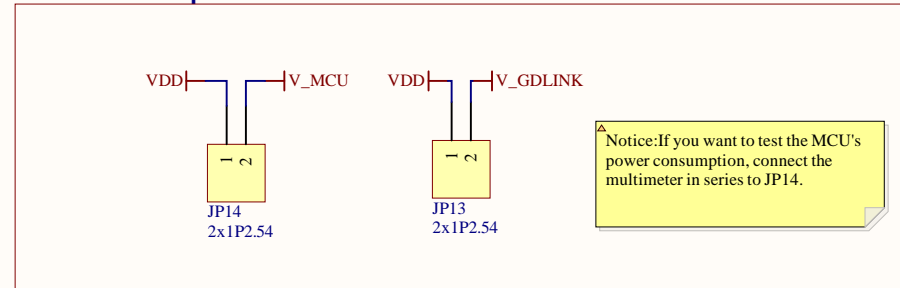
Date: **2025-09**



Power



Power Consumption



Project Title: GD32F503K-START

Sheet Title: Power

Size:
A4

Designer: Lyon.Liu

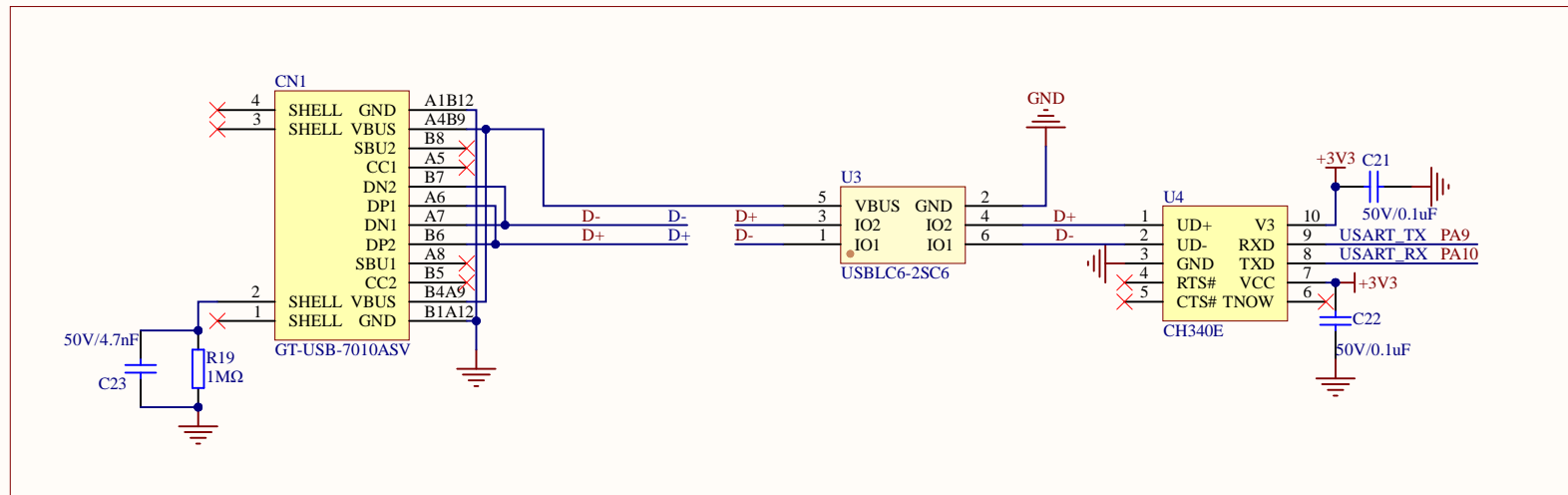
Revision: 1.1

Sheet: 2 of 7

Date: 2025-09



USART To USB



Project Title: **GD32F503K-START**

Sheet Title: **USART**

Size:
A4

Designer: **Lyon.Liu**

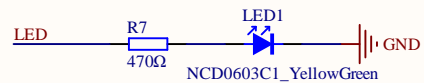
Revision: **1.1**

Sheet: **3 of 7**

Date: **2025-09**

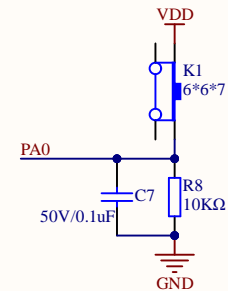


LED

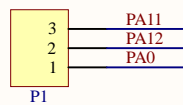


Notice: When using the LED, please ensure to connect pin 1 and pin 2 of JP9.

KEY



Extension Pin



LOGO



Project Title: **GD32F503K-START**

Sheet Title: **Extension**

Size:
A4

Designer: **Lyon.Liu**

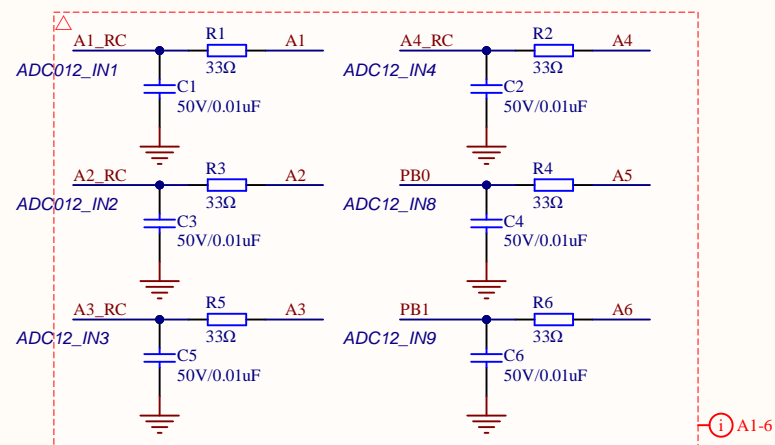
Revision: **1.1**

Sheet: **4 of 7**

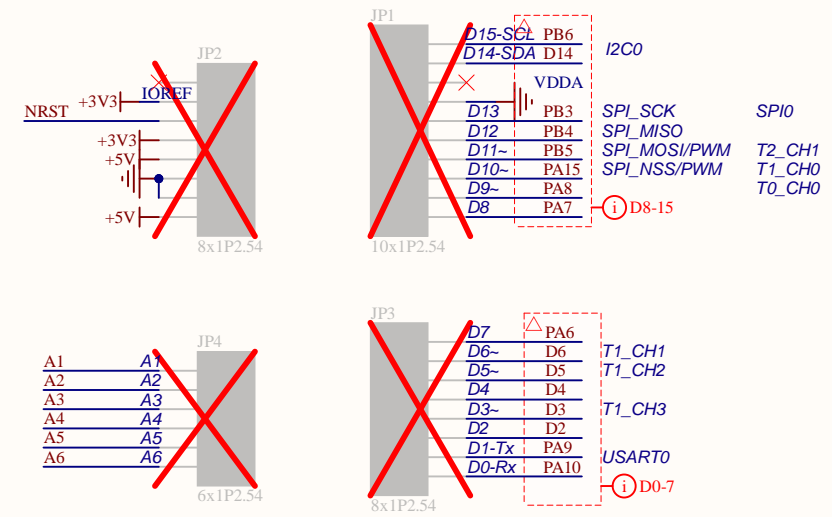
Date: **2025-09**



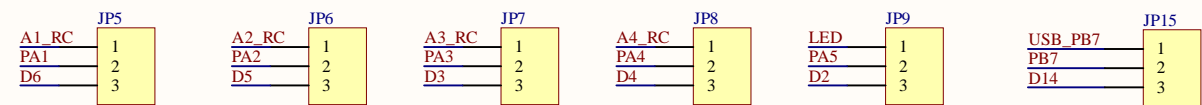
AIN Filter



Arduino



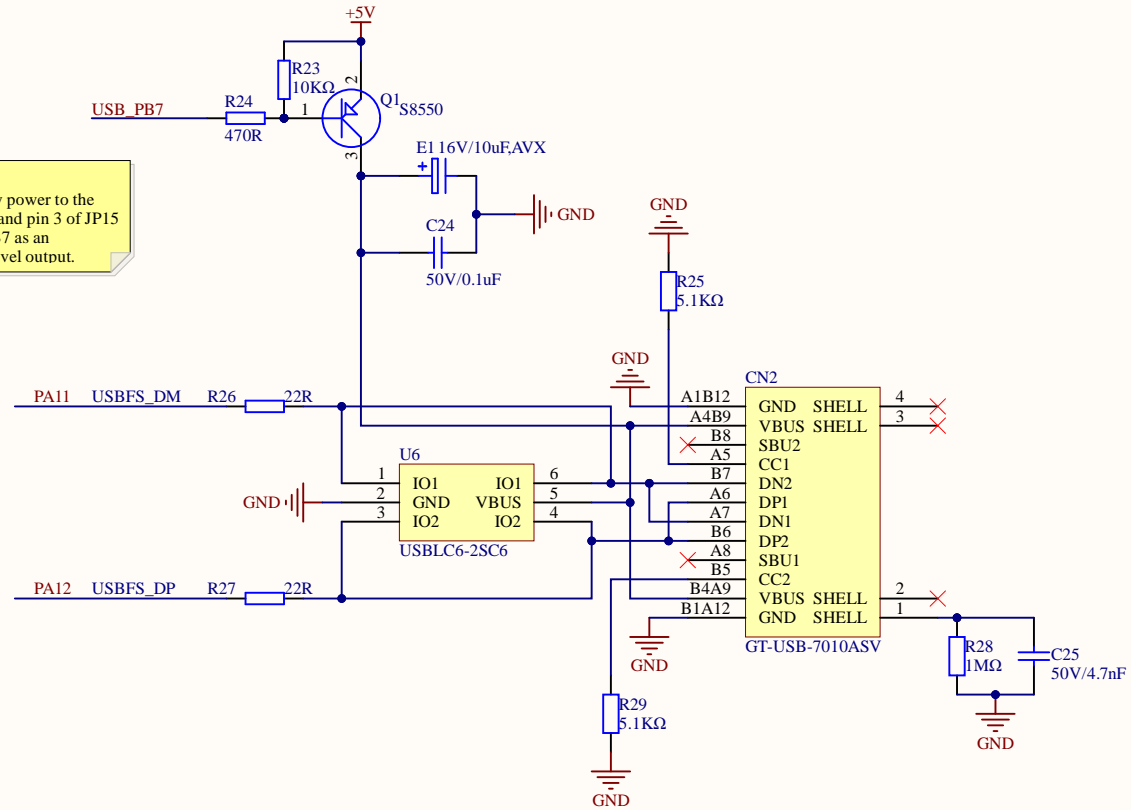
Select



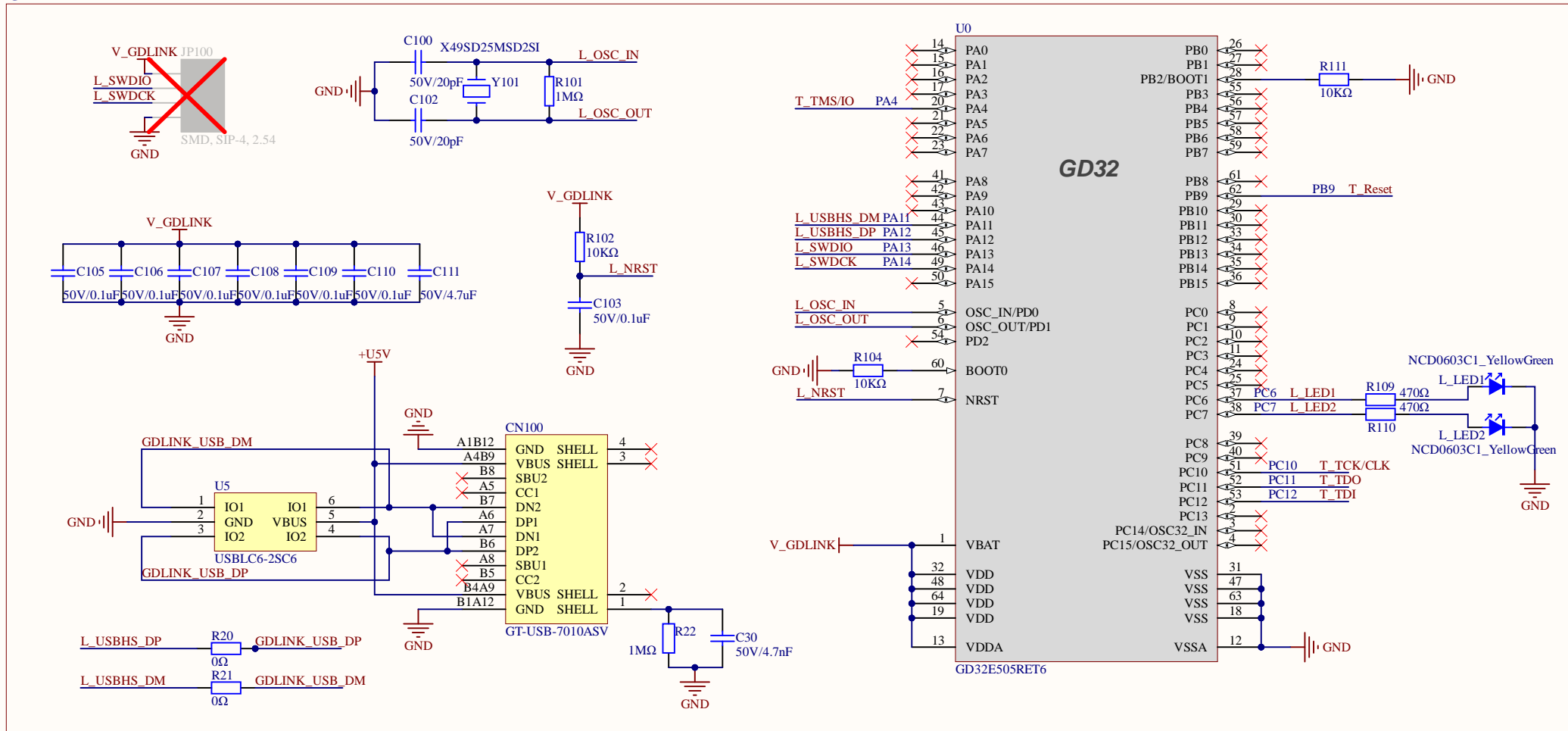
Project Title: GD32F503K-START			
Sheet Title: Arduino			Size: A4
Designer: Lyon.Liu		Revision: 1.1	
Sheet: 5 of 7		Date: 2025-09	

[illegible]

Notice:
When USB is required to supply power to the device, please ensure that pin 2 and pin 3 of JP15 are connected, and configure PB7 as an open-drain output with a high-level output.



GDLINK



Project Title: **GD32F503K-START**

Sheet Title: **GDLINK**

Size:
A4

Designer: **Lyon.Liu**

Revision: **1.1**

Sheet: **7 of 7**

Date: **2025-09**



