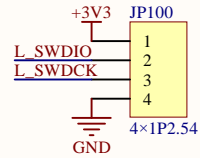
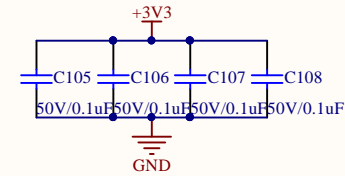
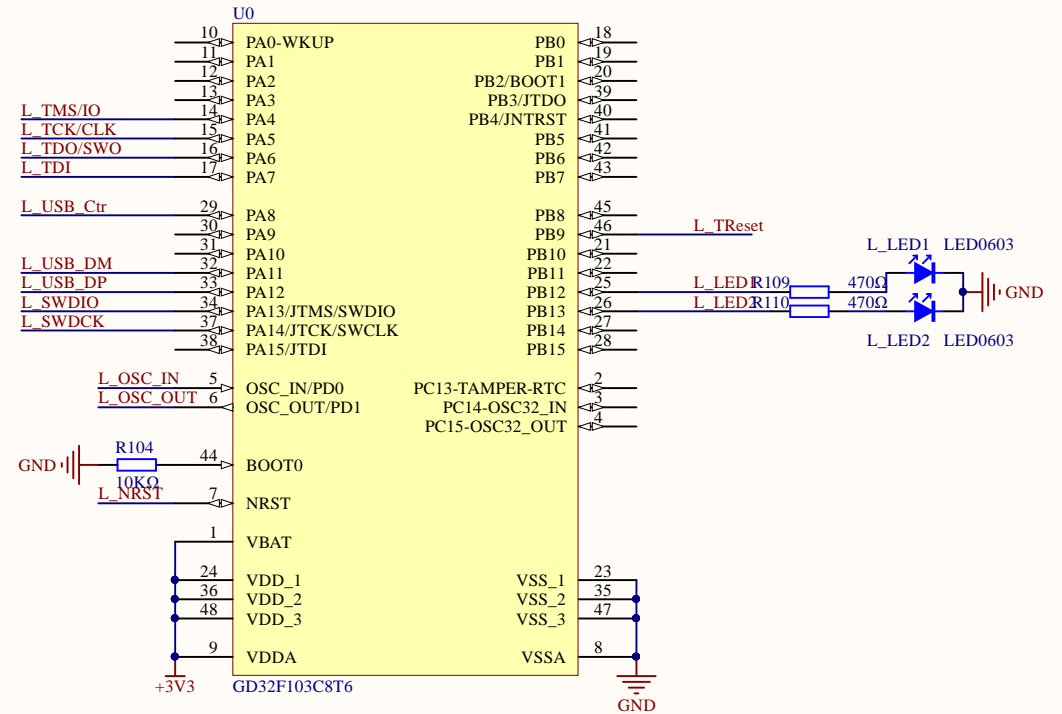
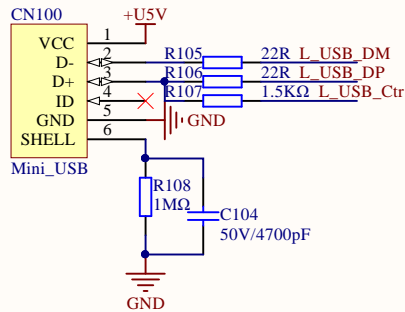
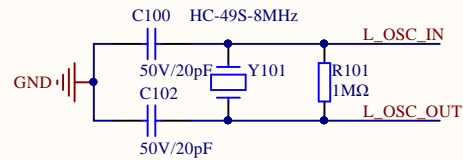
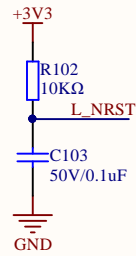


MCU SWD



Reset



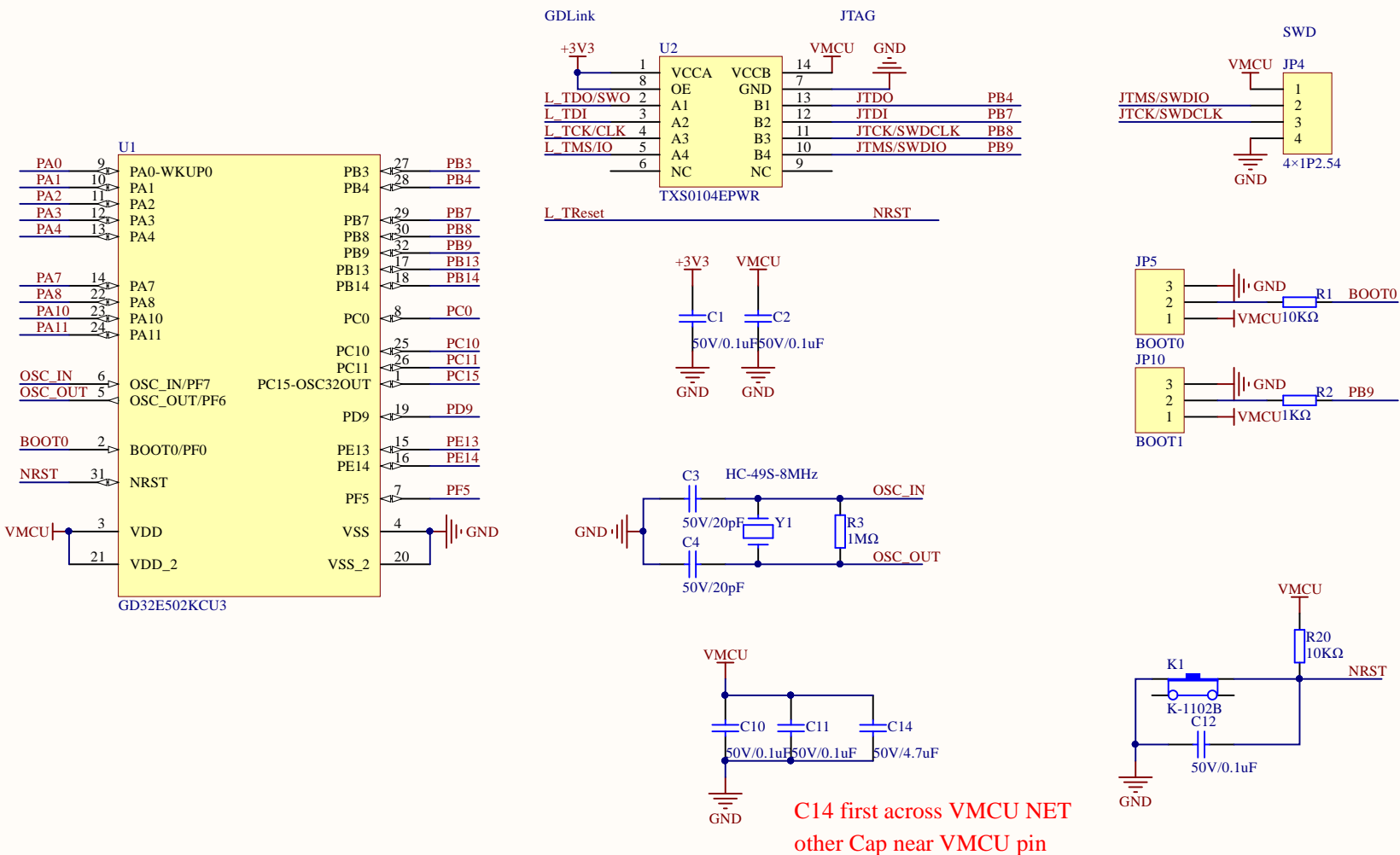
Company Name: GigaDevice

File Name: GDLink

Revision: 1.0

Data: 2022-1

Author: XuFei



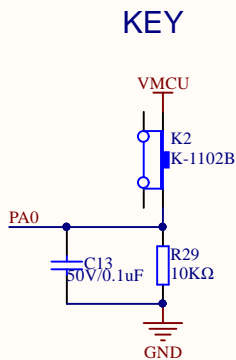
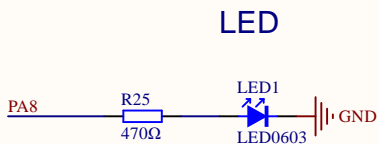
Company Name: GigaDevice

File Name: MCU

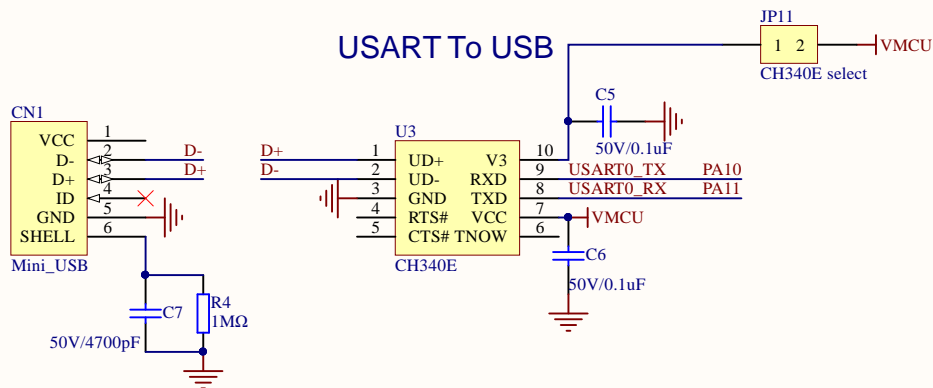
Revision: 1.0

Data: 2023-6

Author: sijia.wang

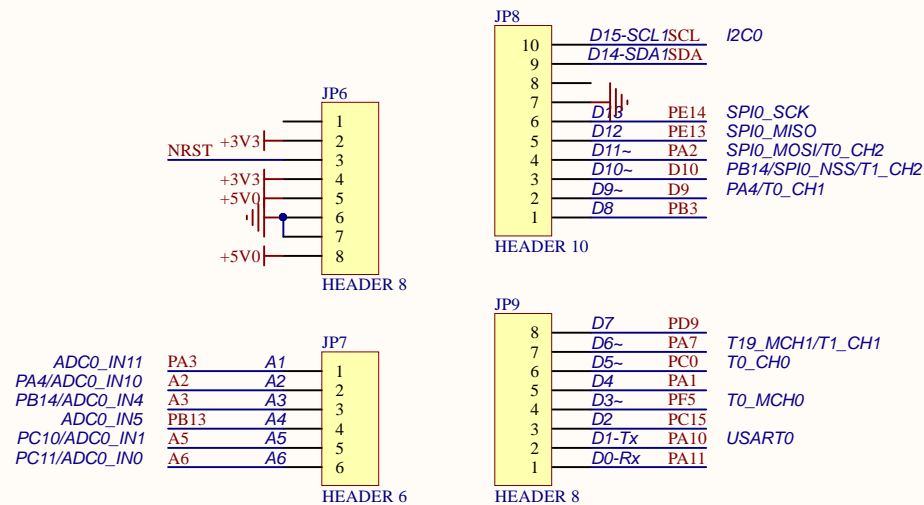


USART To USB



Note: Short JP1 Only When VMCU=3.3V

Arduinio



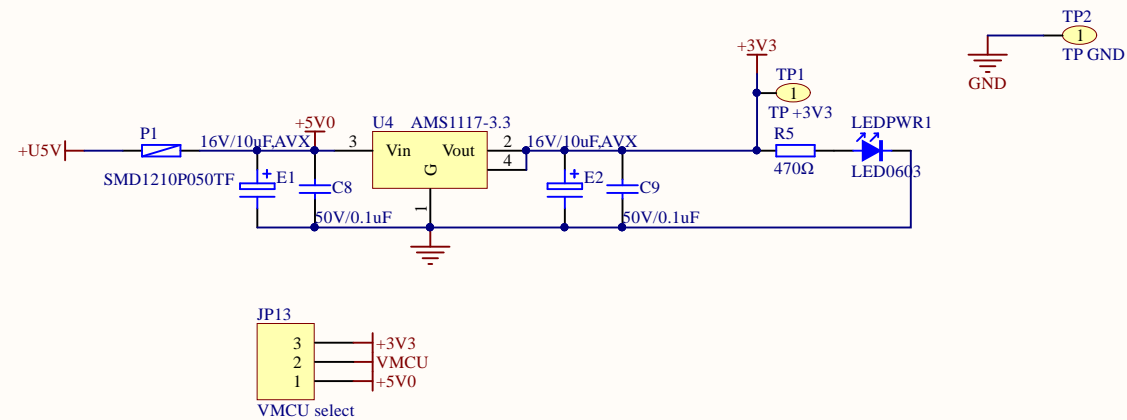
Company Name: GigaDevice

File Name: Peripherals

Revision: 1.0

Data: 2023-6

Author: sijia.wang



Company Name: GigaDevice		
File Name: Power		
Revision: 1.0	Data: 2023-6	Author: sijia.wang

GD32

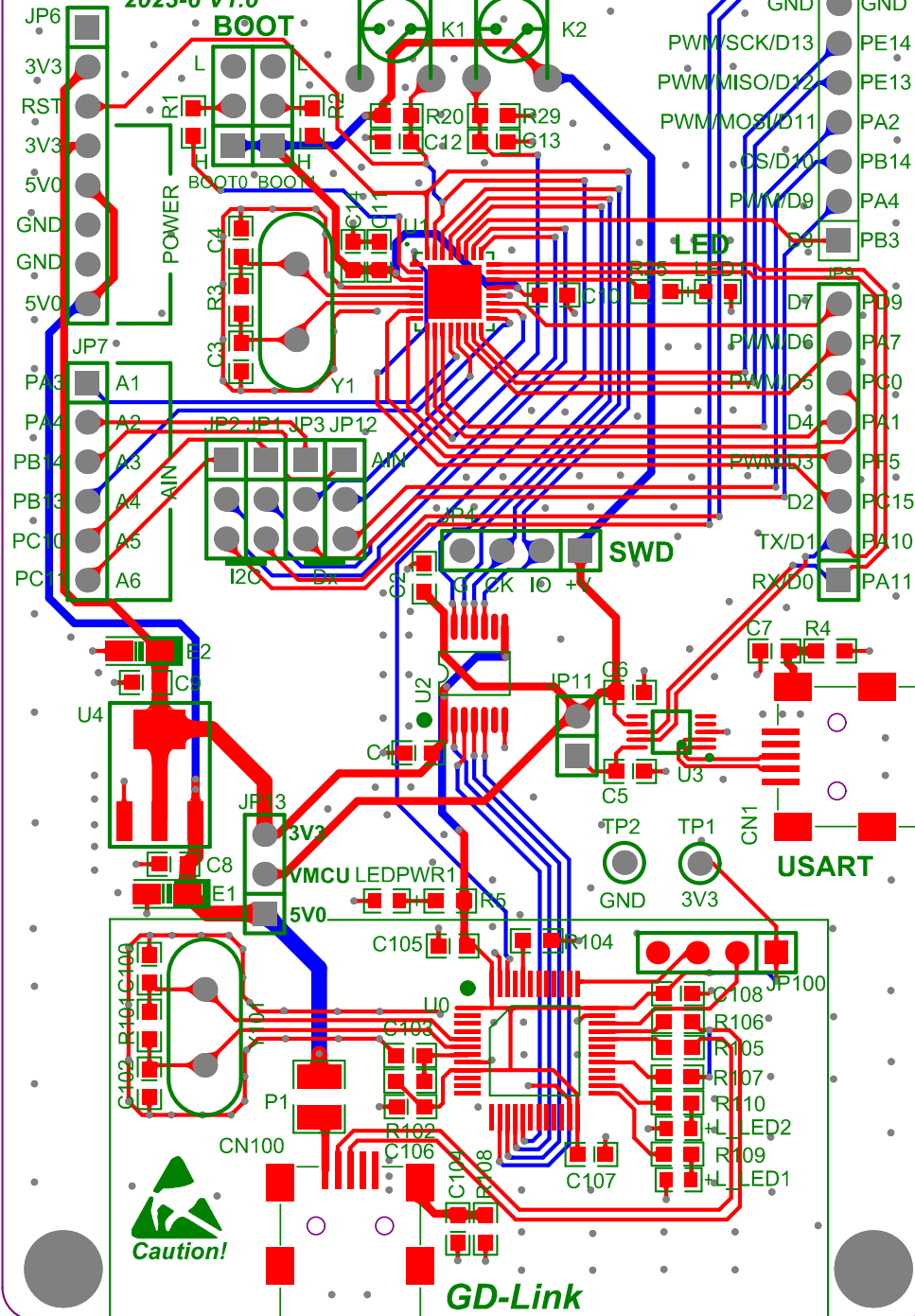
GD32MCU.com

GD32E502K-START

2023-6 V1.0

Reset Wakeup

BOOT



Comment	Description	Designator	Footprint	LibRef	Quantity
50V/0.1uF	表贴电容	C1, C2, C5, C6, C8, C9, C10, C11, C12, C13, C103, C105, C106, C107, C108	0603-C	50V/0.1uF, 50V/0.01uF	15
50V/20pF	表贴电容	C3, C4, C100, C102	0603-C	50V/20pF	4
50V/4700pF	表贴电容	C7, C104	0603-C	50V/4700pF	2
50V/4.7uF	表贴电容	C14	0603-C	50V/0.1uF	1
Mini_USB	USB-MINI-typeB connector	CN1	Mini_USB_0.567	USB-MINI-typeB connector	1
Mini_USB	USB-MINI-typeB connector	CN100	Mini_USB	USB-MINI-typeB connector	1
16V/10uF,AVX	表贴钽电容	E1, E2	SM/C-A-3216	16V/10uF,AVX	2
HEADER 3	单排接口	JP1, JP2, JP3, JP12	SIP-3	HEADER 3	4
4×1P2.54	单排接口	JP4	SIP-4	HEADER 4	1
BOOT0	单排接口	JP5	SIP-3	HEADER 3	1
HEADER 8	单排接口	JP6, JP9	SIP-8	HEADER 8	2
HEADER 6	单排接口	JP7	SIP-6	HEADER 6	1
HEADER 10	单排接口	JP8	SIP-10	HEADER 10	1
BOOT1	单排接口	JP10	SIP-3	HEADER 3	1
CH340E select	单排接口	JP11	SIP-2	HEADER 1X2	1
VMCU select	单排接口	JP13	SIP-3	HEADER 3	1
4×1P2.54	单排接口	JP100	SMD-SWD	HEADER 4	1
K-1102B	普通6X6X7按键	K1, K2	K-1102B	K-1102B	2
LED0603	LED发光管	L_LED1, L_LED2, LED1, LEDPWR1	0603-LED-Green	LED0603	4
SMD1210P050TF	表贴PTC	P1	1210	SMD1210P005TF	1
10KΩ	表贴电阻	R1, R20, R29, R102, R104	0603-R	10KΩ	5
1KΩ	表贴电阻	R2	0603-R	10KΩ	1
1MΩ	表贴电阻	R3, R4, R101, R108	0603-R	1MΩ	4
470Ω	表贴电阻	R5, R25, R109, R110	0603-R	470Ω, 1KΩ	4
22R	表贴电阻	R105, R106	0603-R	1KΩ	2
1.5KΩ	表贴电阻	R107	0603-R	1.5KΩ	1
TP +3V3	接点	TP1	SIP-1	HEADER 1	1
TP GND	接点	TP2	SIP-1	HEADER 1	1
GD32F103C8T6	GDM3201	U0	LQFP-48	GD32F103CBT6	1
GD32E502KCU3		U1	QFN32_5X5X0.8	GD32E502KxUx	1
TXS0104EPWR		U2	TSSOP-14	TXS0104	1
CH340E		U3	MSOP-10	CH340E	1
AMS1117-3.3	3.3V LDO	U4	SOT-223	LM1117-3.3	1
HC-49S-8MHz	直插晶振（工业级）	Y1, Y101	HC-49S	HC-49S-G20SSA-8MHz	2