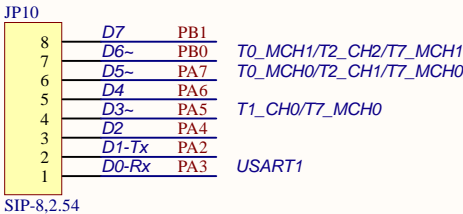
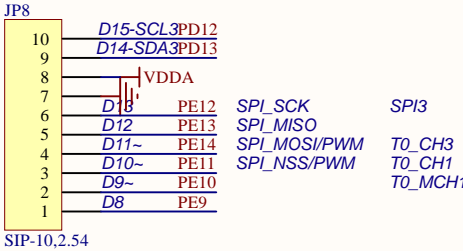
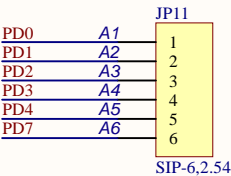
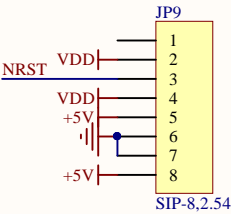
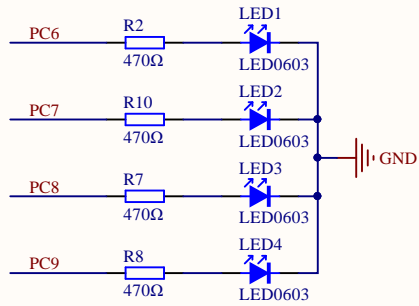


Arduino

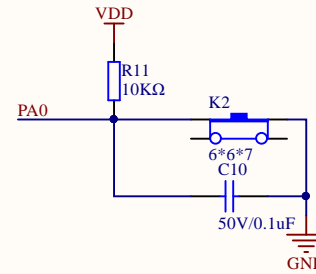


Company Name: GigaDevice		
File Name: Arduino		
Revision: 1.0	Date: 2023-02	Author: BOYA.JIANG

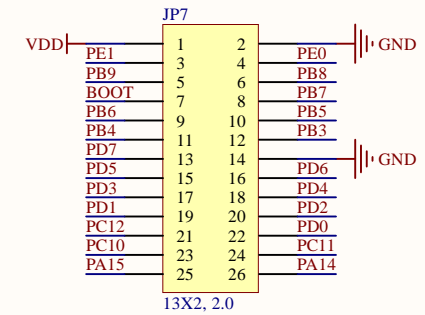
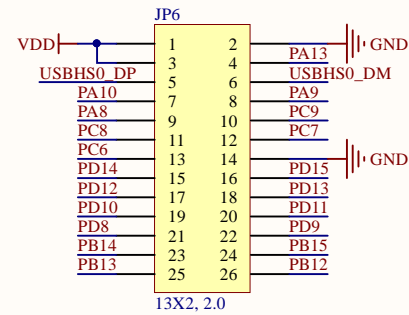
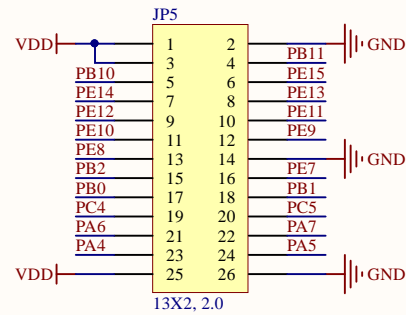
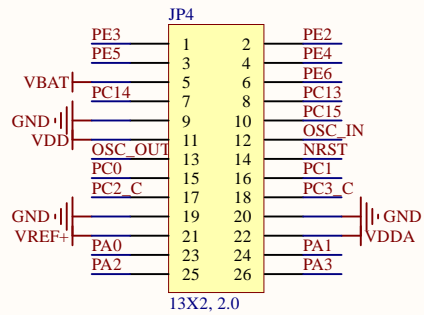
## LED



## KEY



## Extension Pin



Company Name: GigaDevice

File Name: Extension

Revision: 1.0

Data: 2023-2

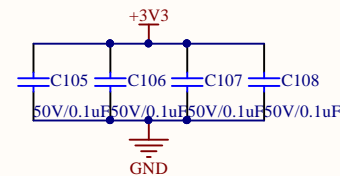
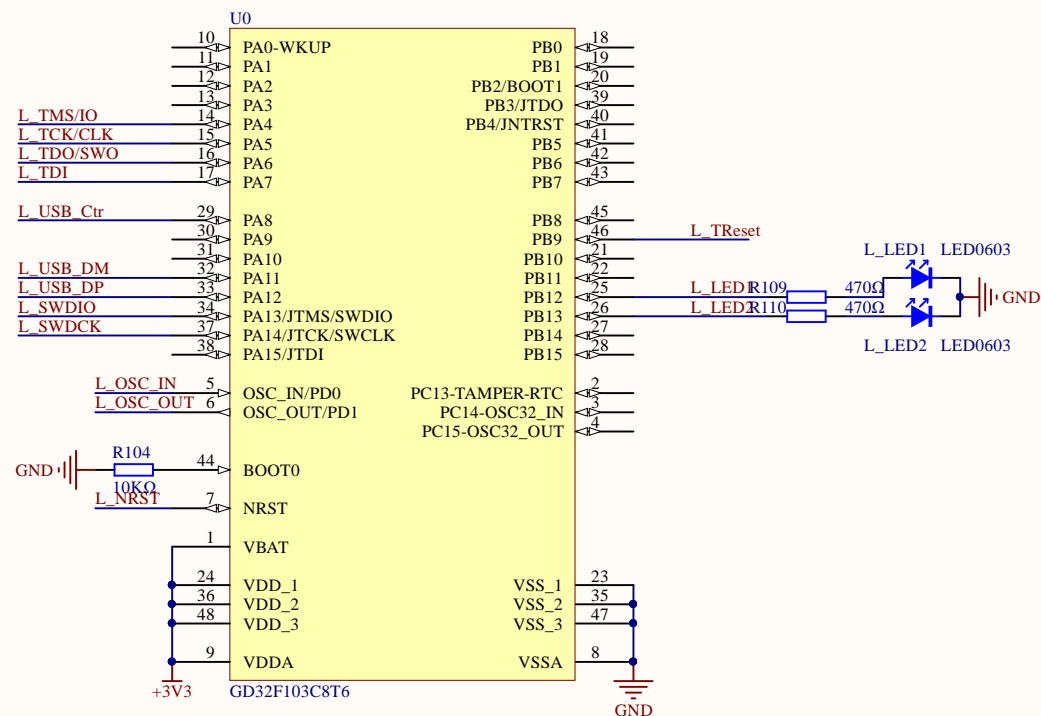
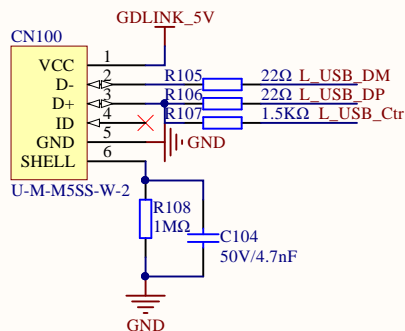
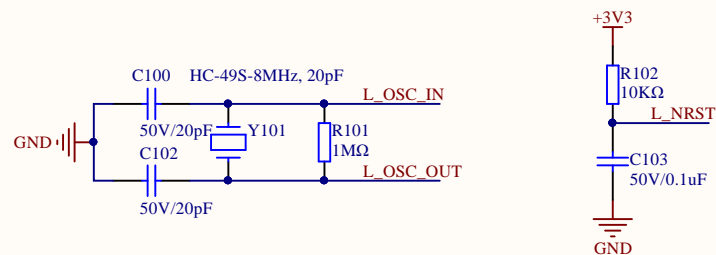
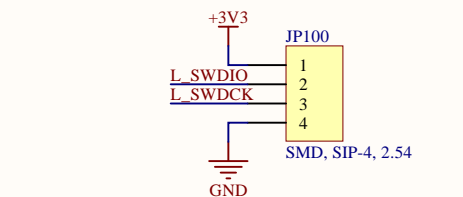
Author: BOYA.JIANG

1

2

3

4



Company Name: GigaDevice

File Name: GDLink

Revision: 1.0

Data: 2023-2

Author: boyajiang

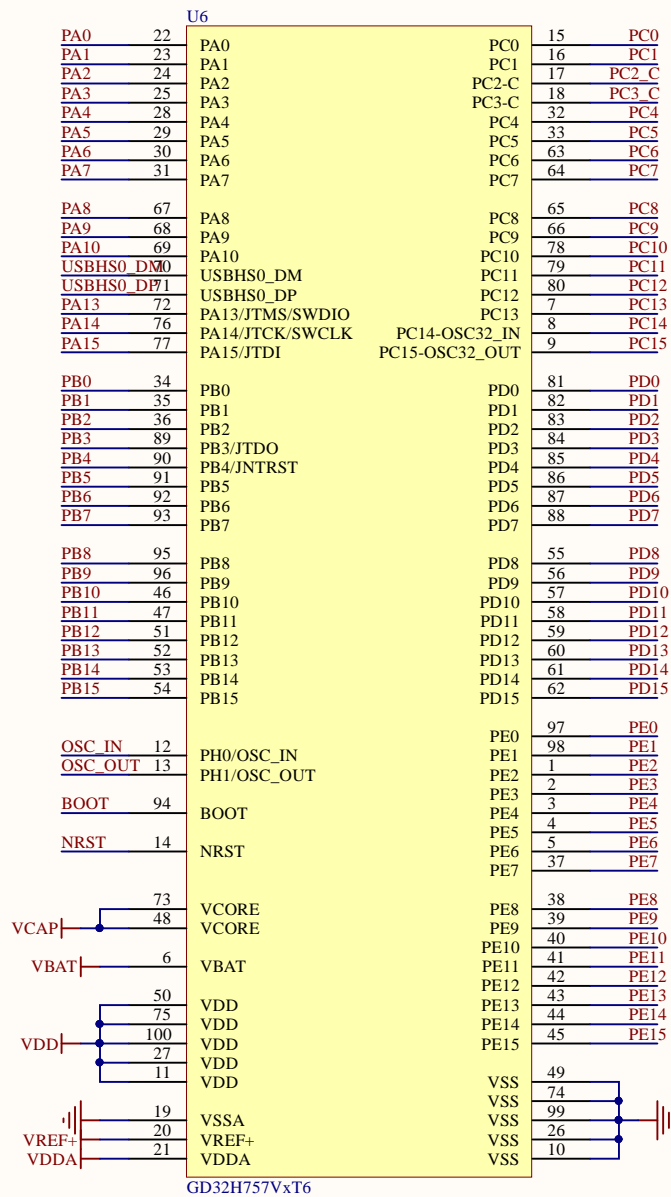
1

2

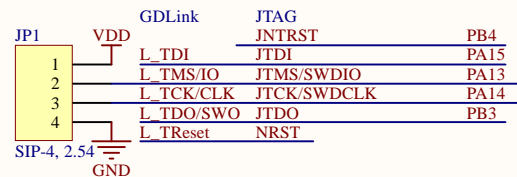
3

4

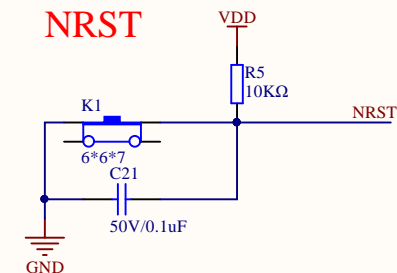
## MCU



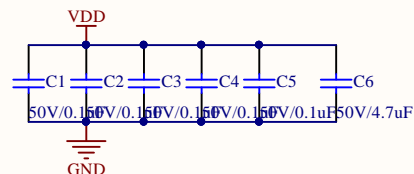
## JTAG/SWD



## NRST

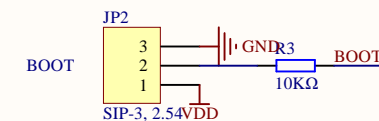


## Filter

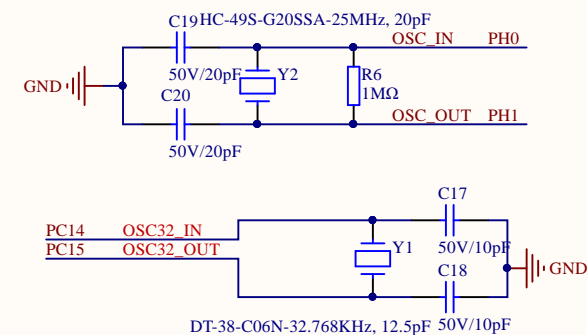


C6 frist across VDD NET  
other Cap near VDD pin

## BOOT



## HXTAL&LXTAL



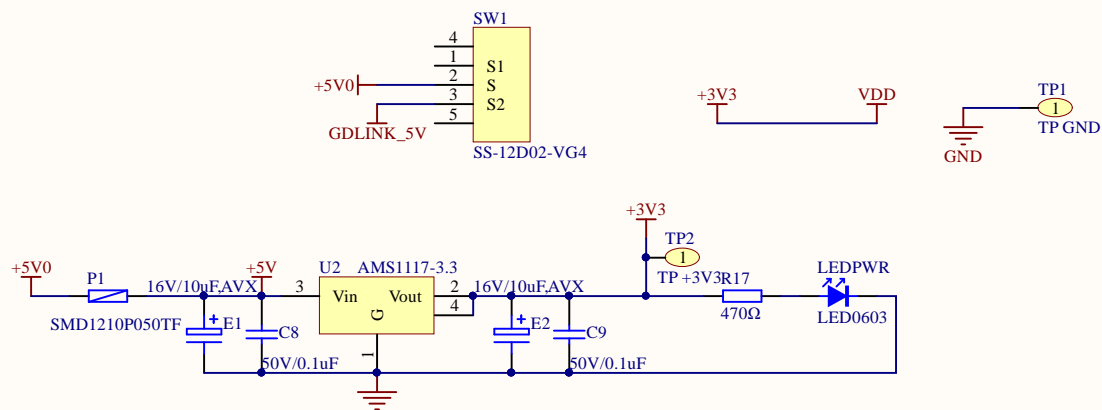
Company Name: GigaDevice

File Name: MCU

Revision: 1.1

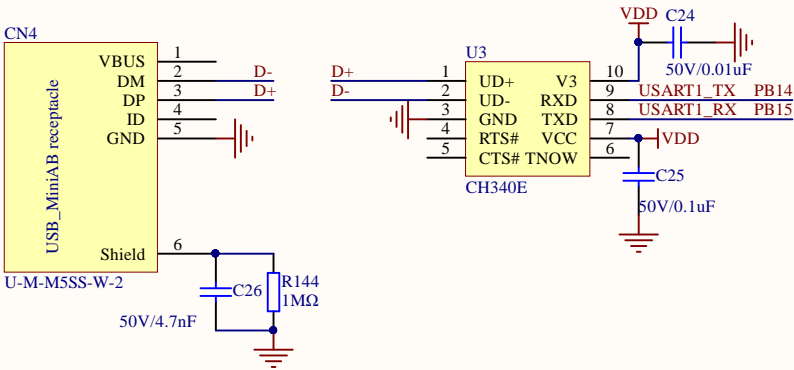
Date: 2023-3

Author: BOYA.JIANG

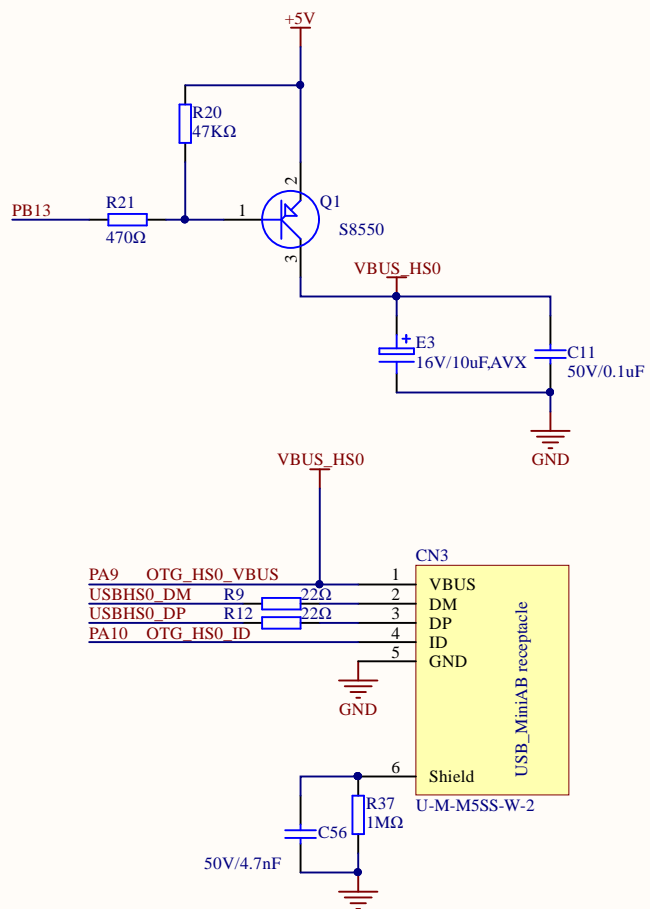


Company Name: GigaDevice		
File Name: Power		
Revision: 1.0	Data: 2023-2	Author: BOYA.JIANG

USART1 To USB



Company Name: GigaDevice		
File Name: USART		
Revision: 1.0	Data: 2023-2	Author: BOYA.JIANG



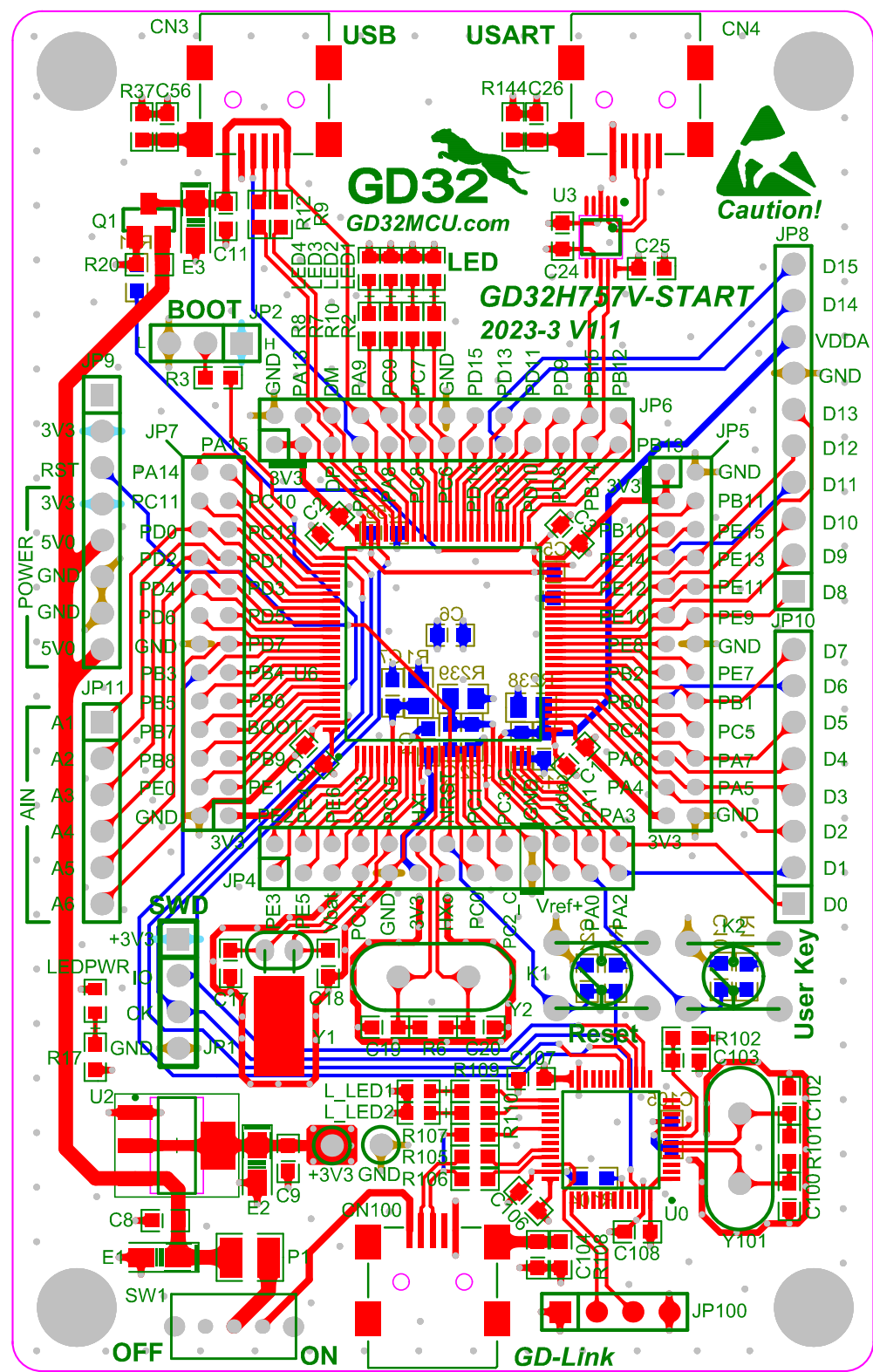
Company Name: GigaDevice

File Name: USB

Revision: 1.0

Date: 2023-2

Author: BOYA.JIANG





Bill of Materials		
Project Name:	GD32H757V-START-V1.1.PrjPCB	
PCB Quantity:	pcs	
Created by:		
Creation Date:	2023/3/28	15:06:22
Print Date:	28-Mar-23	3:06:45 PM
Author	0.00	



序号	名称	型号规格	元件位号	封装	厂商	单台用量	小计	单件点数	备注
	Description	Comment	Designator	Footprint		Quantity	Total Quantity	#Column Name Error-Pins	
1	表贴电容	50V/0.1uF	C1, C2, C3, C4, C5, C7, C8, C9, C10, C11, C21, C25, C103, C105, C106, C107, C108	0603-C		17	0		
2	表贴电容	50V/4.7uF	C6	0603-C		1	0		
3	表贴电容	50V//1uF	C13, C15	0603-C		2	0		
4	表贴电容	50V/0.01uF	C14, C22, C24	0603-C		3	0		
5	表贴电容	50V/10pF	C17, C18	0603-C		2	0		
6	表贴电容	50V/20pF	C19, C20, C100, C102	0603-C		4	0		
7	表贴电容	50V/4.7nF	C26, C56, C104	0603-C		3	0		
8	表贴电容	50V/2.2uF	C54, C58	0603-C		2	0		
9	表贴miniusb座	U-M-M5SS-W-2	CN3, CN4, CN100	USB_MINI		3	0		
10	表贴钽电容	16V/10uF,AVX	E1, E2, E3	SM/C-A-3216		3	0		
11	单排插针	SIP-4, 2.54	JP1	SIP-4		1	0		
12	单排插针	SIP-3, 2.54	JP2	SIP-3		1	0		
13	双排插针	13X2, 2.0	JP4, JP5, JP6, JP7	IDC-26-2.0		4	0		
14	直插单排排母	SIP-10,2.54	JP8	SIP-10		1	0		
15	直插单排排母	SIP-8,2.54	JP9, JP10	SIP-8		2	0		
16	直插单排排母	SIP-6,2.54	JP11	SIP-6		1	0		
17	表贴排针	SMD, SIP-4, 2.54	JP100	SMD-SWD		1	0		
18	普通6X67直插按键	6*6*7	K1, K2	K-1102B		2	0		
19	表贴LED发光管	LED0603	L_LED1, L_LED2, LED1, LED2, LED3, LED4, LEDPWR	0603-LED-Green		7	0		
20	表贴PTC	SMD1210P050TF	P1	1210_R		1	0		
21	表贴三极管	S8550	Q1	SOT-23		1	0		
22	表贴电阻	0Ω	R1, R238, R239	0805-R		3	0		
23	表贴电阻	470Ω	R2, R7, R8, R10, R17, R21, R109, R110	0603-R		8	0		
24	表贴电阻	10KΩ	R3, R5, R11, R102, R104	0603-R		5	0		
25	表贴电阻	1MΩ	R6, R37, R101, R108, R144	0603-R		5	0		
26	表贴电阻	22Ω	R9, R12, R105, R106	0603-R		4	0		
27	表贴电阻	47KΩ	R20	0603-R		1	0		
28	表贴电阻	1.5KΩ	R107	0603-R		1	0		
29	直插2位选择开关	SS-12D02-VG4	SW1	SW-SPDT		1	0		
30	接点	TP GND	TP1	SIP-1		1	0		
31	接点	TP +3V3	TP2	SIP-1		1	0		
32	表贴MCU	GD32F103C8T6	U0	LQFP48_7x7x1.6		1	0		
33	表贴3.3V LDO	AMS1117-3.3	U2	SOT-223		1	0		
34	表贴USART芯片	CH340E	U3	MSOP-10		1	0		
35		GD32H757VxT6	U6	LQFP100_14x14x1.6		1	0		
36	直插晶振	DT-38-C06N-32.768KHz, 12.5pF	Y1	DT-26		1	0		
37	直插晶振	HC-49S-G20SSA-25MHz, 20pF	Y2	HC-49S		1	0		
38	直插晶振	HC-49S-8MHz, 20pF	Y101	HC-49S		1	0		
	产品名称		注意			99	0	0	
	Product name		Notes						
	批准		表贴焊点数						
	Approved by		Number of surface mount solder joints						
	审核		直插焊点数						
	Checked by		In-line solder joints						
更改次序	1		分数	0					
Change Time			Score						