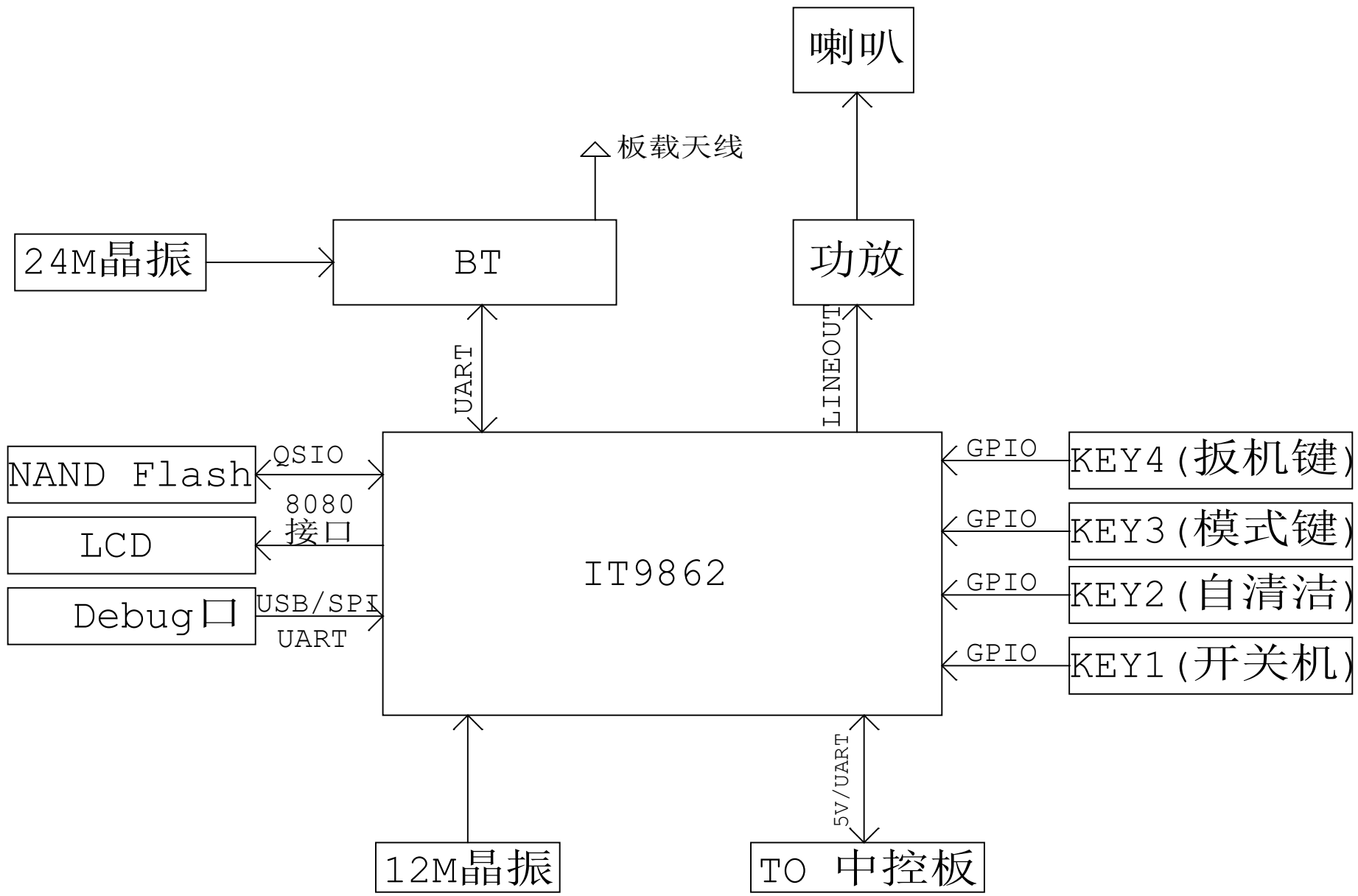
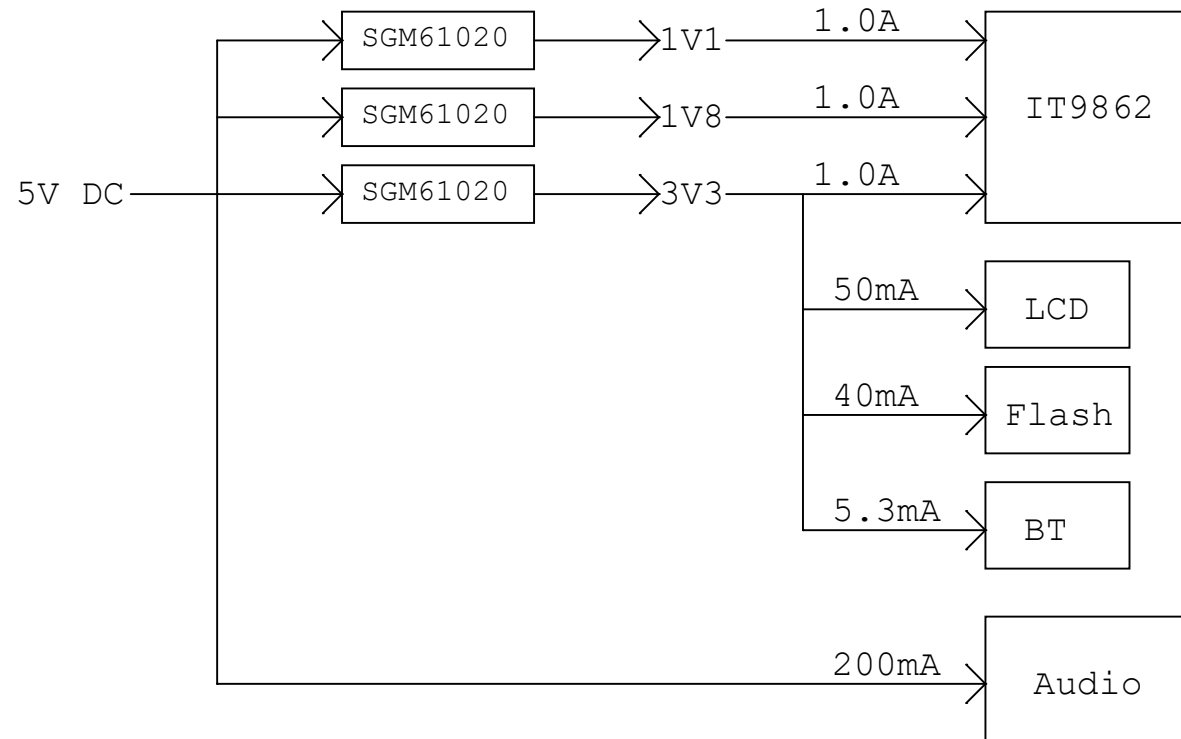


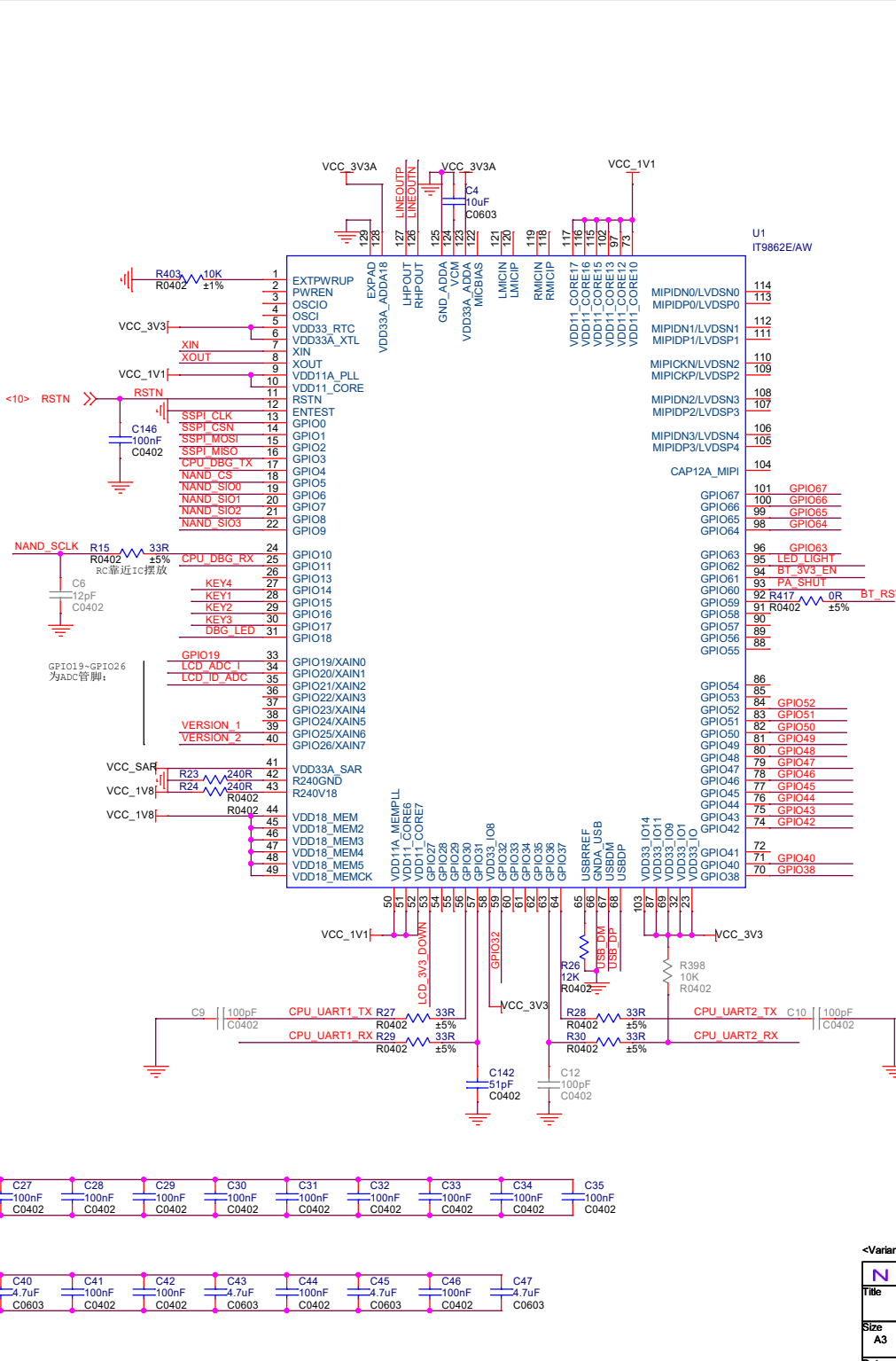
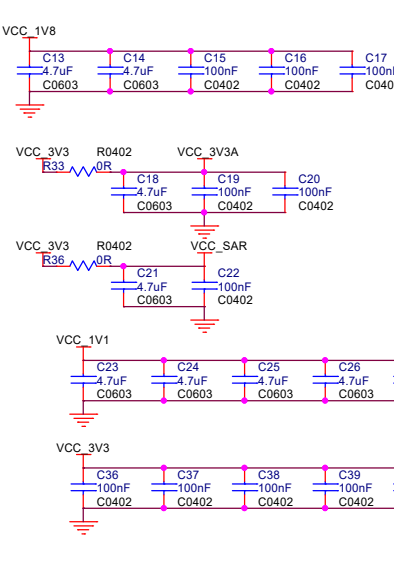
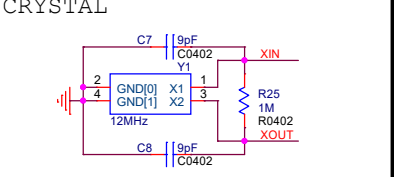
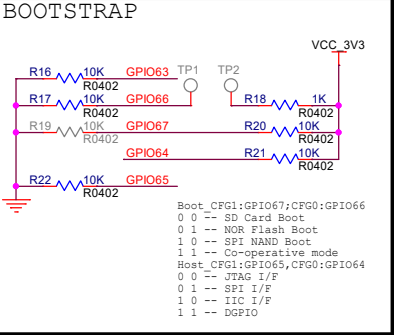
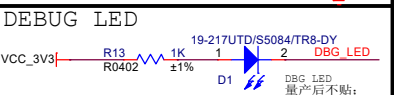
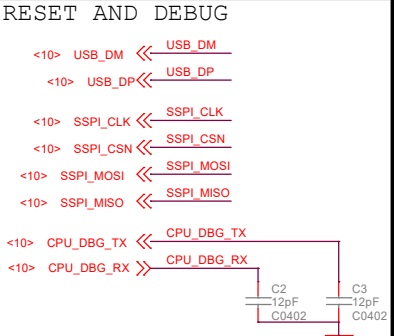
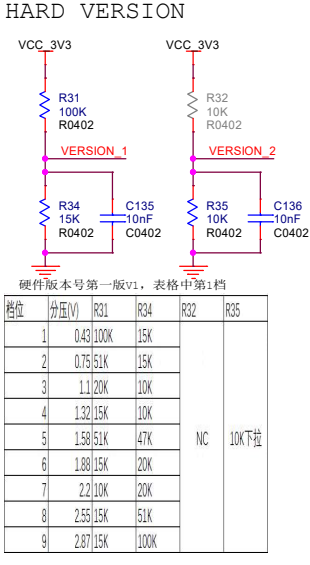
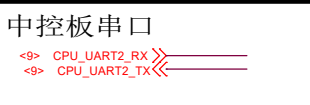
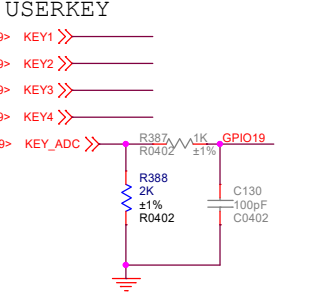
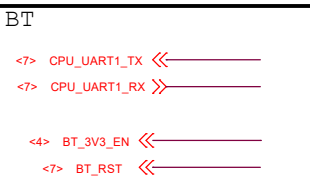
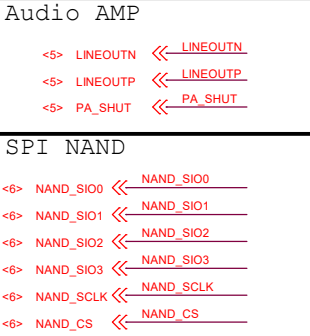


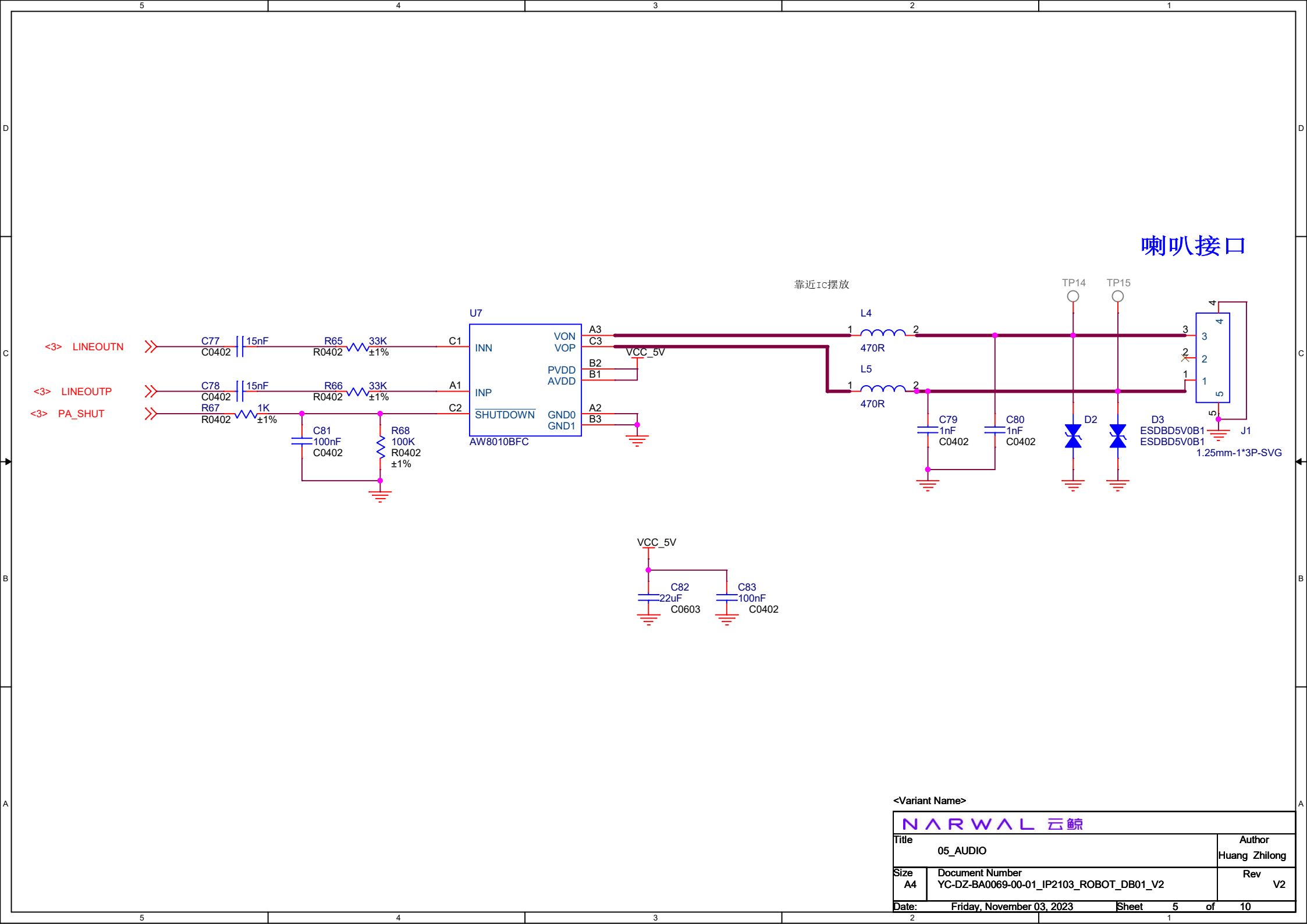
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NARWAL 云鲸		
Title01_SYSTEM_BLOCK		AuthorHuang Zhilong
SizeA4	Document NumberYC-DZ-BA0069-00-01_IP2103_ROBOT_DB01_V2	RevV2
Date:Friday, November 03, 2023	Sheet1	of10



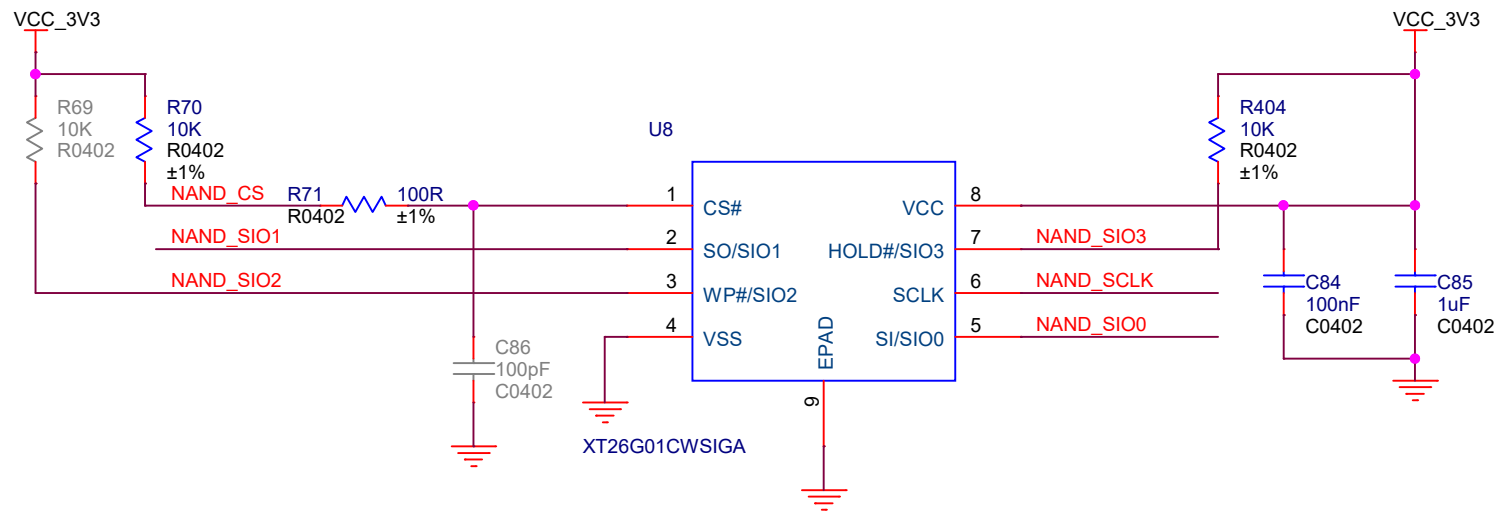
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NARWAL 云鲸		
Title02_POWER_TREE		AuthorHuang Zhilong
SizeA4	Document NumberYC-DZ-BA0069-00-01_IP2103_ROBOT_DB01_V2	RevV2
Date:	Friday, November 03, 2023	Sheet 2 of 10





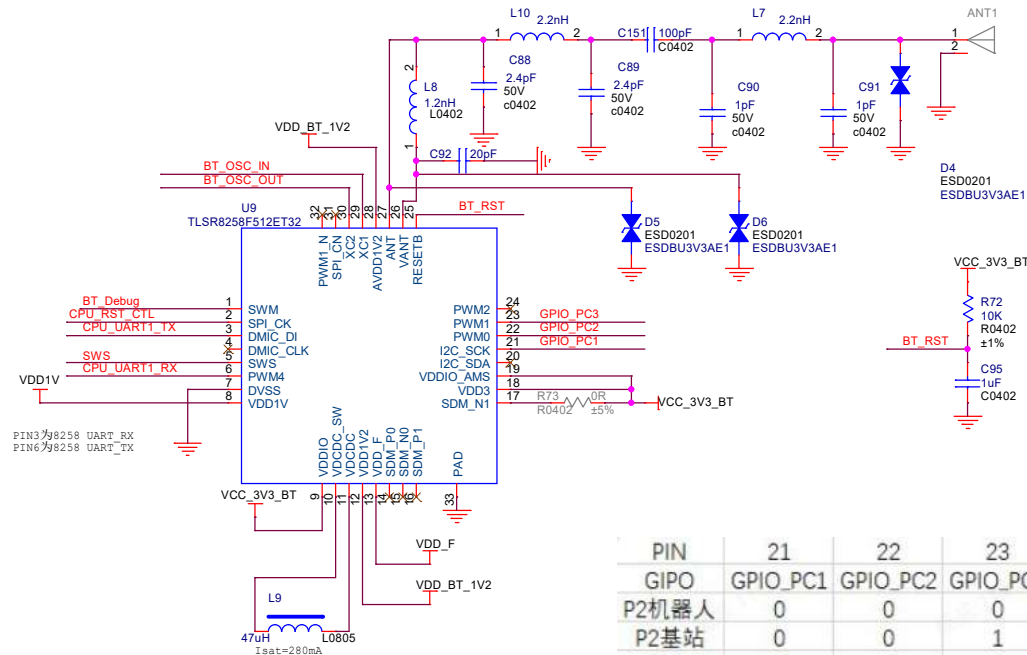
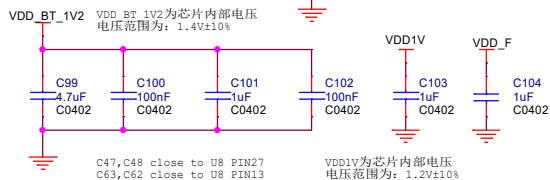
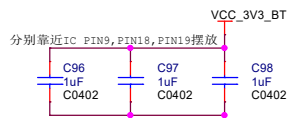
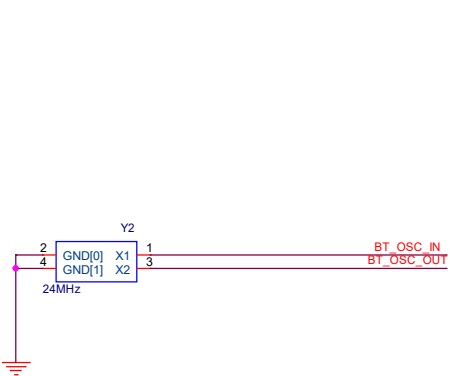
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<3> NAND_SIO2
<3> NAND_SIO1
<3> NAND_SIO0
<3> NAND_SCLK
<3> NAND_CS



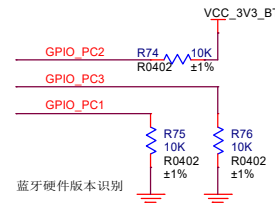
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NARWAL 云鲸		
Title		Author
06_FLASH		Huang Zhilong
Size	Document Number	Rev
A	YC-DZ-BA0069-00-01_IP2103_ROBOT_DB01_V2	V2
Date:	Friday, November 03, 2023	Sheet 6 of 10

<10> CPU_RST_CTL <<
<10> SWS <<
<3> BT_RST <<
<3> CPU_UART1_TX <<
<3> CPU_UART1_RX <<
<10> BT_Debug <<

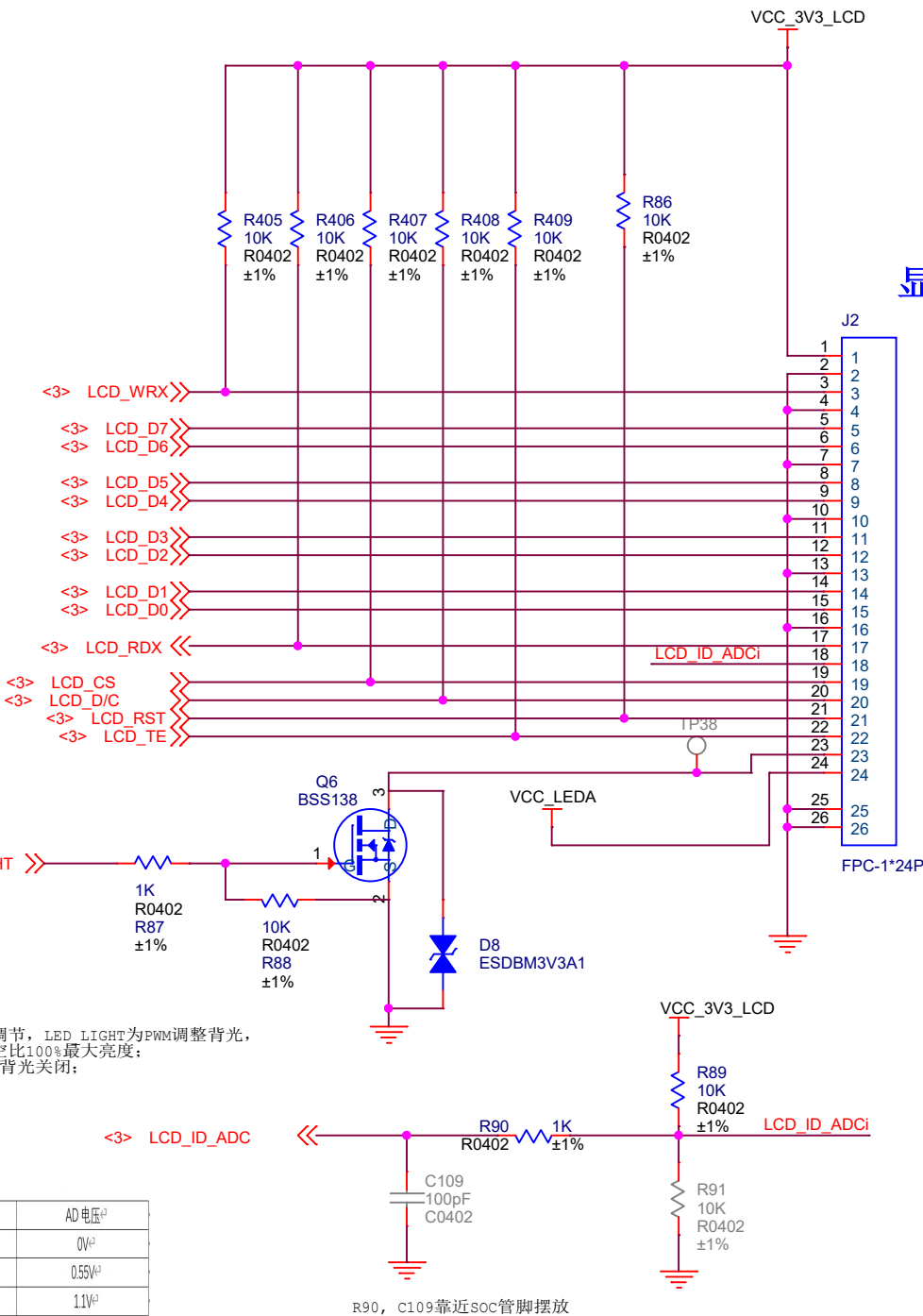


PIN	21	22	23
GIPO	GPIO_PC1	GPIO_PC2	GPIO_PC3
P2机器人	0	0	0
P2基站	0	0	1
IP1300	0	1	0

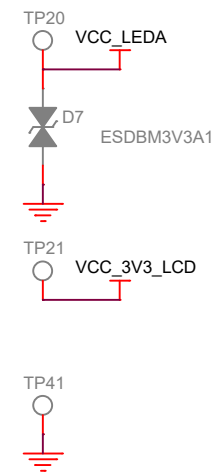
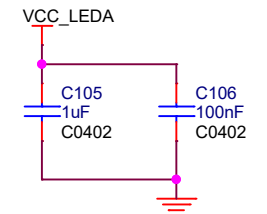
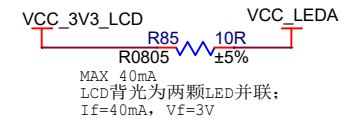


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NARWAL 云鲸		
Title	07_TLSR8258	Author Huang Zhilong
Size A3	Document Number YC-DZ-BA0069-00-01_IP2103_ROBOT_DB01_V2	Rev V2
Date:	Friday, November 03, 2023	Sheet 7 of 10



显示屏接口



PIN	
1	VCC3V3
2	GND
3	WRX
4	GND
5	DB7
6	DB6
7	GND
8	DB5
9	DB4
10	GND
11	DB3
12	DB2
13	GND
14	DB1
15	DB0
16	GND
17	RD
18	LCD_ID
19	CS
20	DCX
21	RESET
22	NC/TE
23	LEDK
24	LEDA

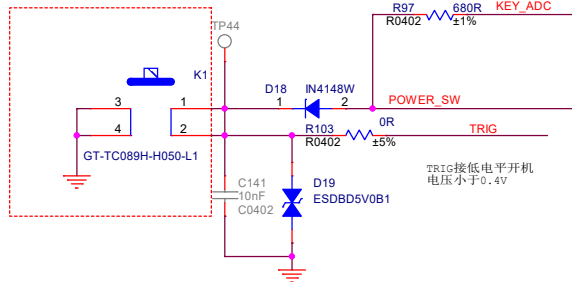
下拉电阻分压列表:

供应商	下拉电阻	AD 电压
康惠	GND	0V
	2K	0.55V
	5K	1.1V
	10K	1.65V
	20K	2.2V
	50K	2.75V
信利	悬空	3V3

R90, C109靠近SOC引脚摆放

<Variant Name>

NARWAL 云鲸		
Title		Author
08_LCD_CONN		Huang Zhilong
Size	Document Number	Rev
A4	YC-DZ-BA0069-00-01_IP2103_ROBOT_DB01_V2	V2
Date:	Friday, November 03, 2023	Sheet 8 of 10



按键连接器根据插拔力要求
更换成NH1.0-3P

C116靠近J4摆放，
预留优化EMC

TP26

R105
R0402 0R ±5%

C116
100nF
C0402

D20
ESDBM3V3A1

CLEAN KEY

1.0mm-1*3P-SVG

J4

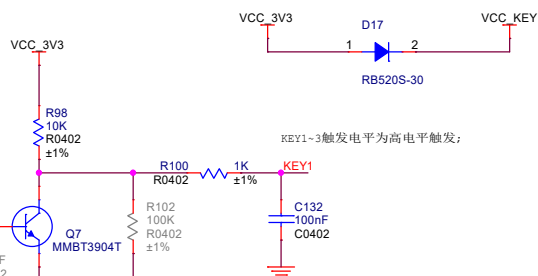
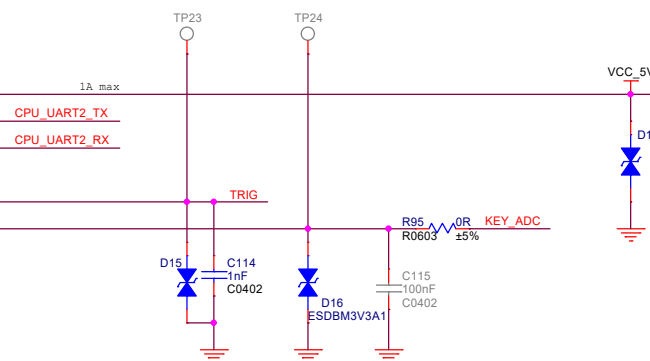
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2
3

5

4

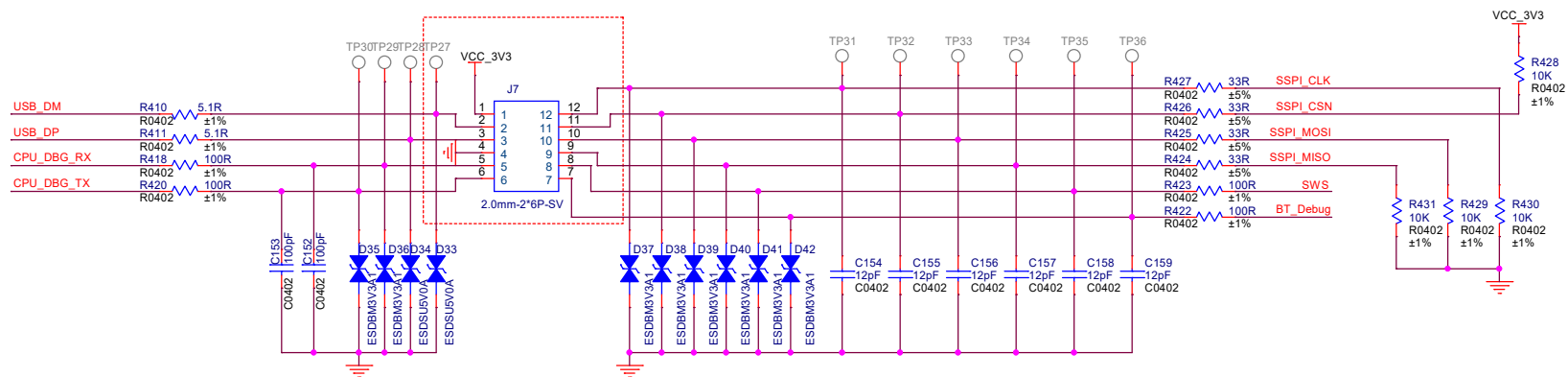
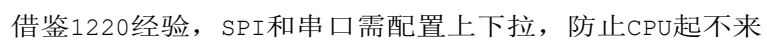
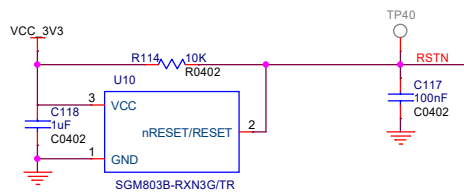
TP26

The schematic diagram illustrates the KEY_ADC pin configuration. A 2-pin connector K3 is shown with pins 1 and 2 connected to ground. Pins 3 and 4 are connected to a common node. This node is connected to a 2K resistor R110 (R0402) which leads to the KEY_ADC pin. A 100nF capacitor C140 (C0402) is connected between this node and ground. A diode D21 (ESD8M3V3A1) is connected between the node and the MODE_KEY pin.



电阻	按键	KEY_ADC
300R	K1	0.8V~1.2V
10K	K4(预留)	N/A
430R	K3	0.8V~1.2V
0	K2	0~0.6

NARVAL 云鲸				
Title 09_KEY_DET&Main_board_conn				Author Huang Zhong
Size A3	Document Number YC-DZ-BA0069-00-01_IP2103_ROBOT_DB01_V2			Rev V2
Date: Friday, November 03, 2023		Sheet 9 of 10		



<Variant Name>

NARVAL 云鲸			
Title 10_RESET_AND_DBG_CONN			Author Huang Zhilong
Size A3	Document Number YC-DZ-BA0069-00-01_IP2103_ROBOT_DB01_V2		Rev V2
Date:	Friday, November 03, 2023	Sheet	10 of 10