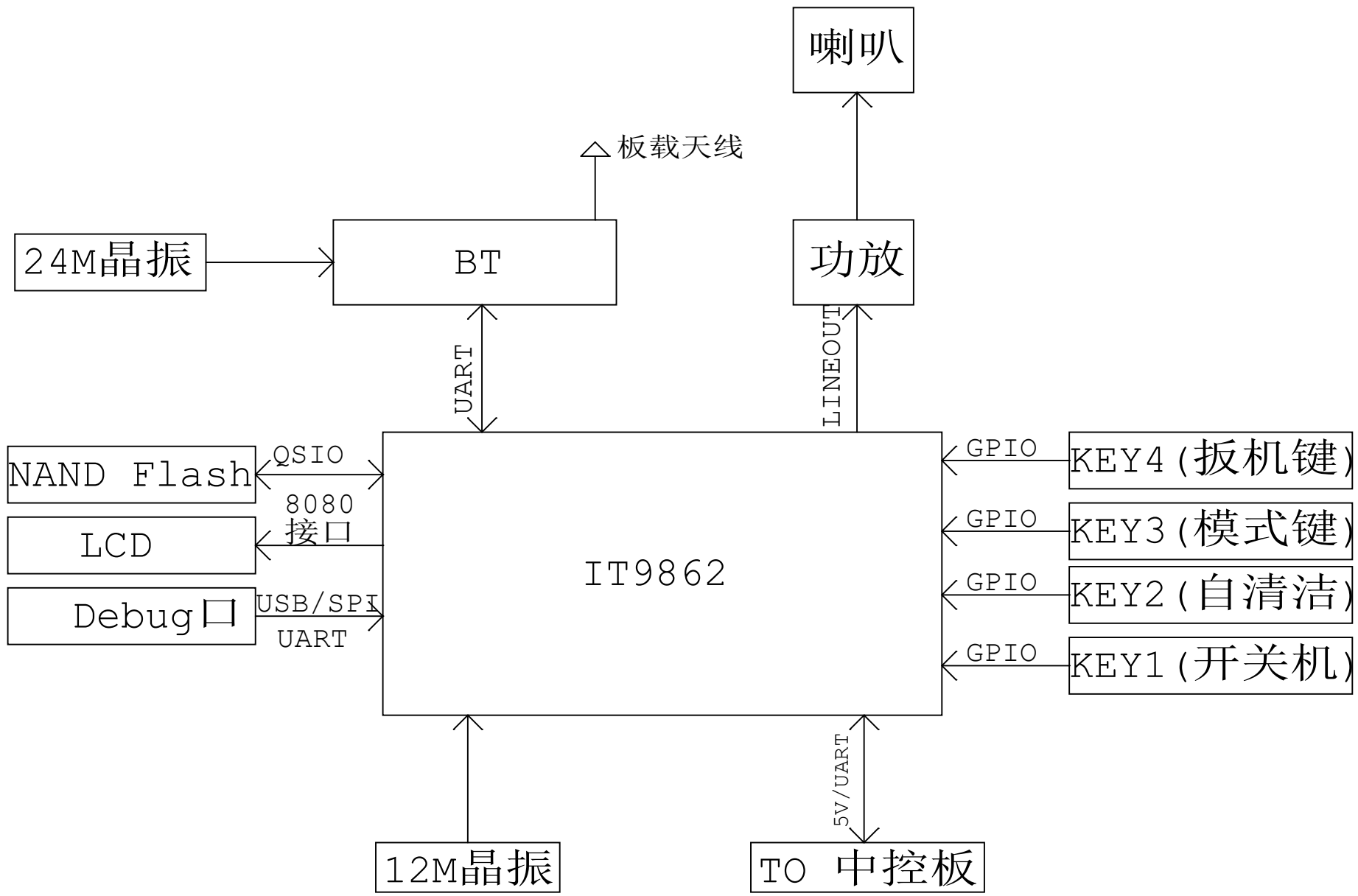
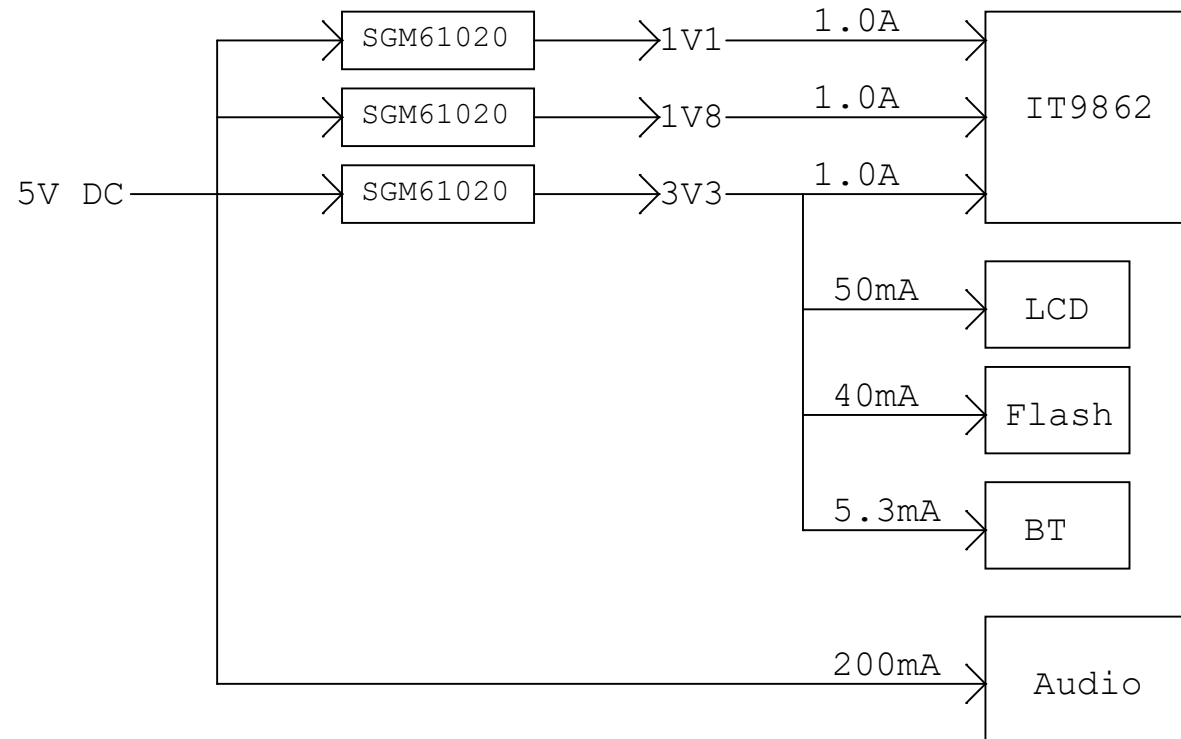


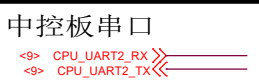
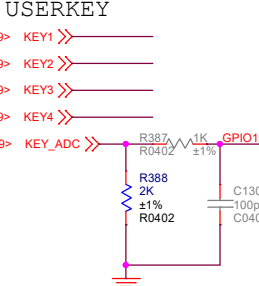
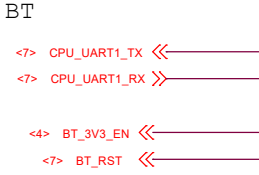
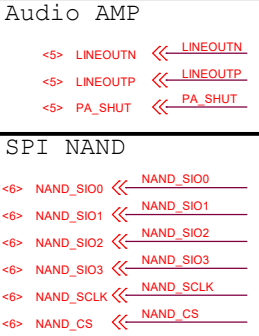


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NARWAL 云鲸		
Title01_SYSTEM_BLOCK		AuthorHuang Zhilong
SizeA4	Document NumberYC-DZ-BA0069-00-01_IP2103_ROBOT_DB01_V2	RevV2
Date:Friday, November 03, 2023	Sheet1	of10



<Variant Name>

NARWAL 云鲸		
Title		Author
02_POWER_TREE		Huang Zhilong
Size	Document Number	Rev
A4	YC-DZ-BA0069-00-01_IP2103_ROBOT_DB01_V2	V2
Date:	Friday, November 03, 2023	Sheet 2 of 10



HARD VERSION

VCC_3V3

VCC_3V3

VERSION 1

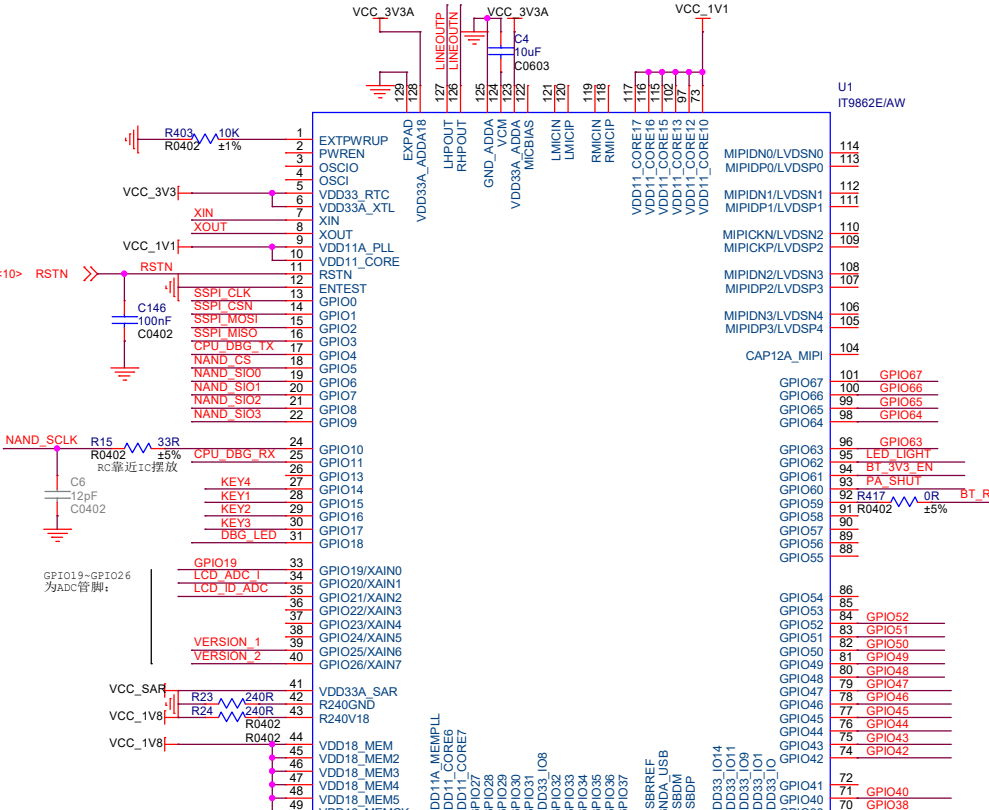
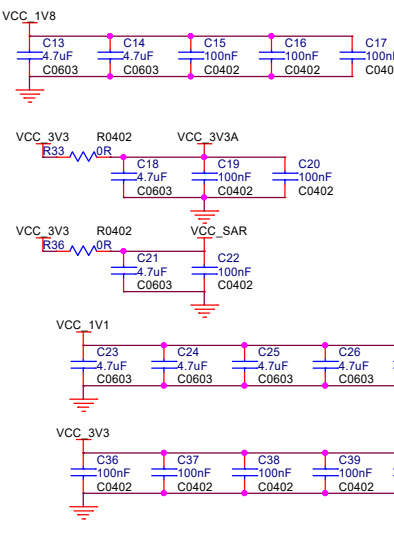
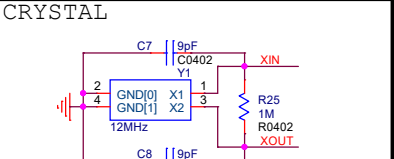
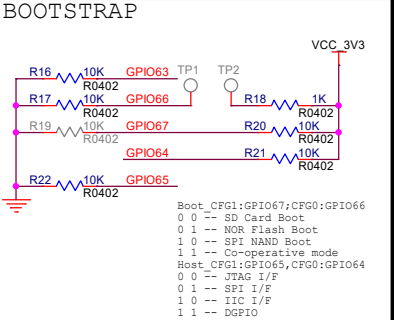
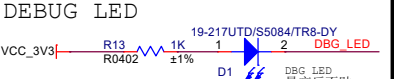
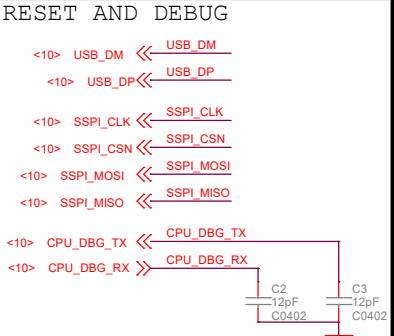
VERSION 2

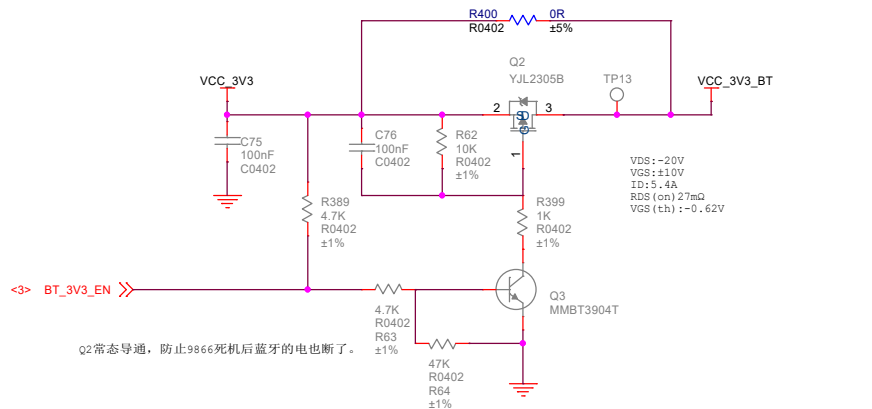
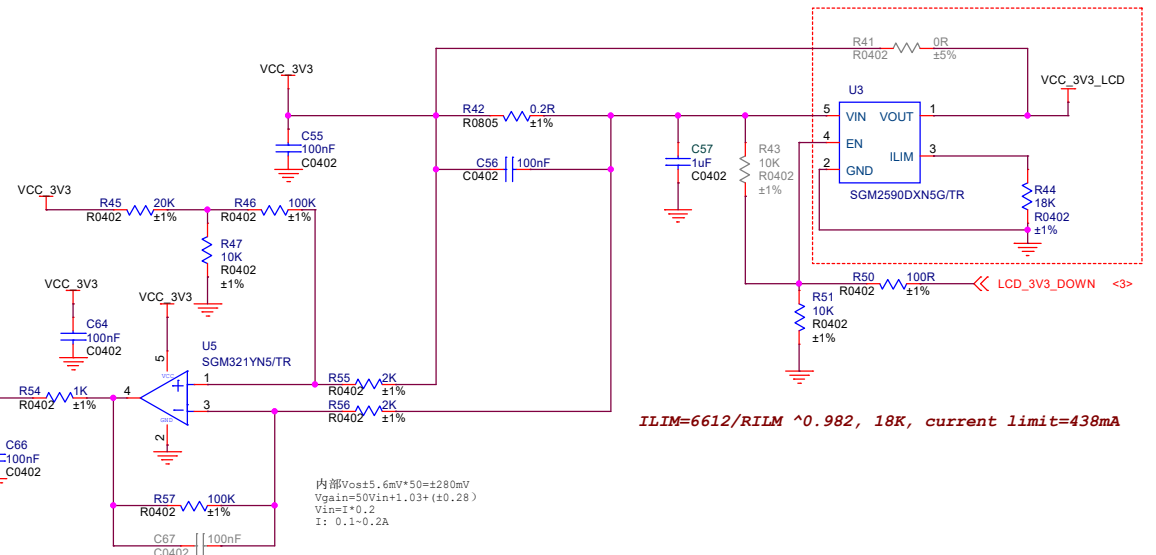
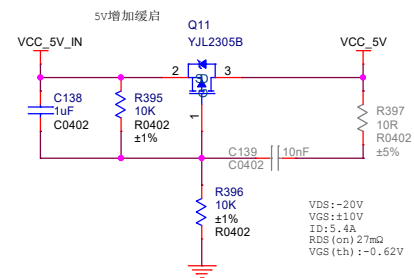
硬件版本号第一版v1，表格中第1档

档位	分压(V)	R31	R34	R32	R35
1	0.43	100K	15K		
2	0.75	51K	15K		
3	1.1	20K	10K		
4	1.32	15K	10K		
5	1.58	51K	47K		
6	1.88	15K	20K		
7	2.2	10K	20K		
8	2.55	15K	51K		
9	2.87	15K	100K		

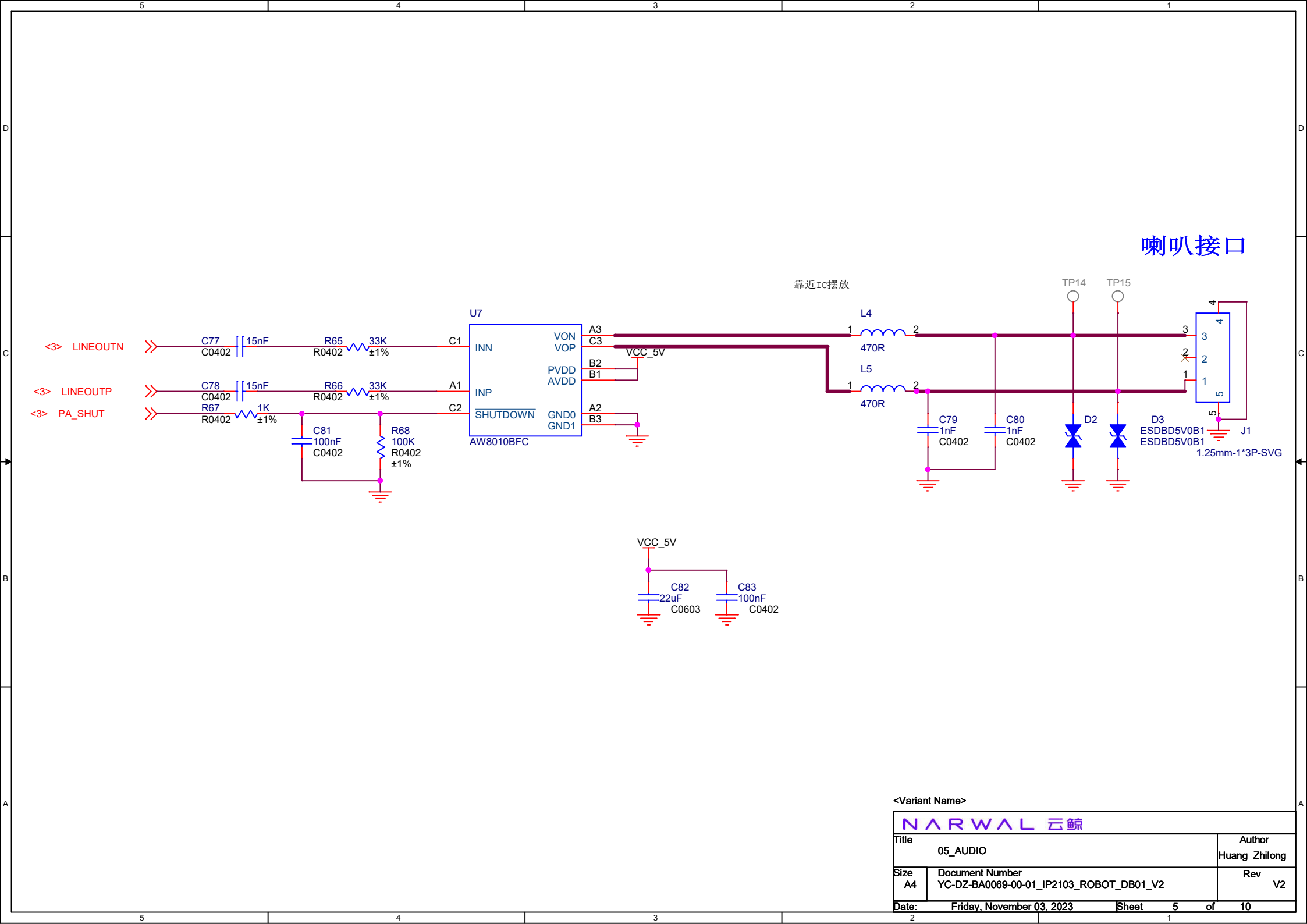
NC

10K下拉

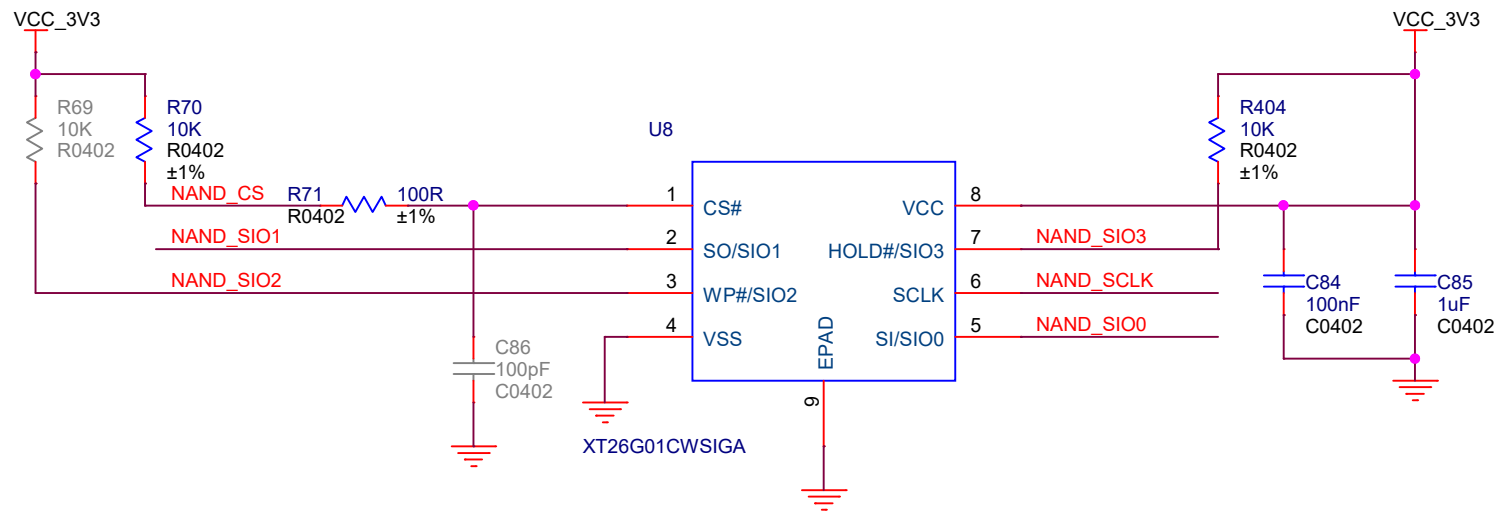




<Variant Name>					
NARVAL 云鲸					
Title 04_POWER				Author Huang Zhilong	
Size A3		Document Number YC-DZ-BA0069-00-01_IP2103_ROBOT_DB01_V2		Rev V2	
Date: Friday, November 03, 2023		Sheet 4		of 10	



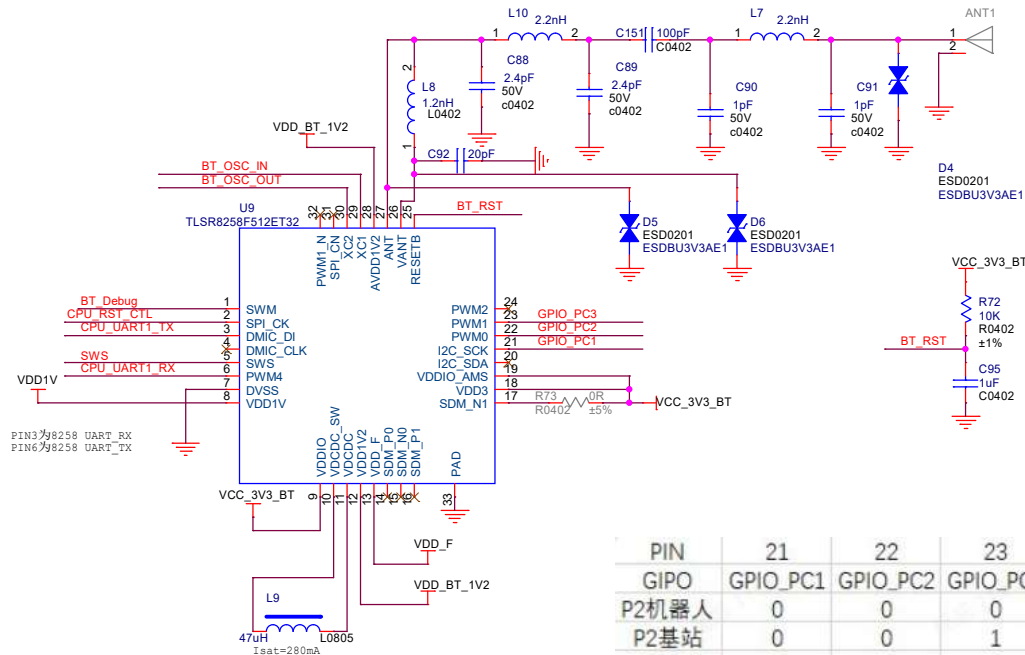
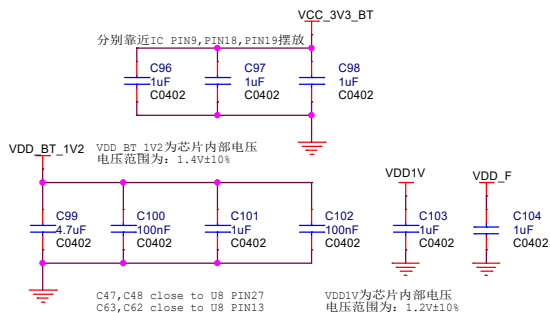
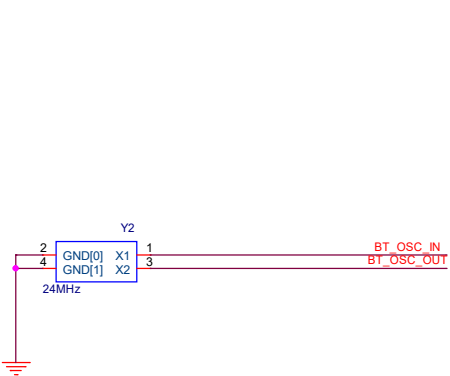
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<3> NAND_SIO2
<3> NAND_SIO1
<3> NAND_SIO0
<3> NAND_SCLK
<3> NAND_CS



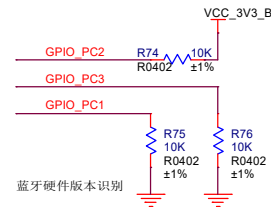
<Variant Name>

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

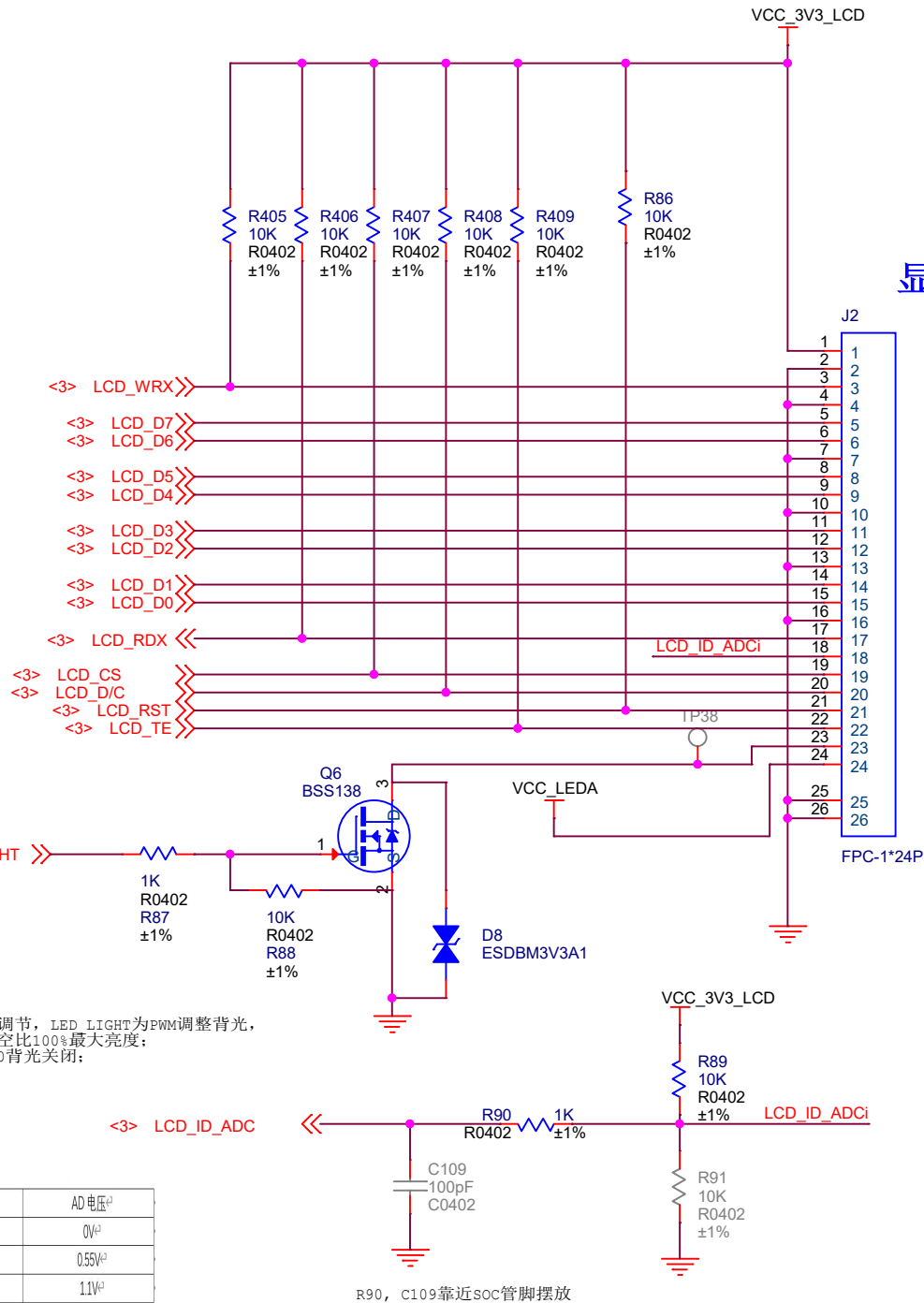


PIN	21	22	23
GIPO	GPIO_PC1	GPIO_PC2	GPIO_PC3
P2机器人	0	0	0
P2基站	0	0	1
IP1300	0	1	0

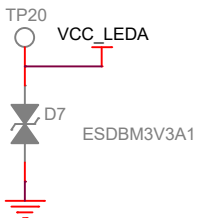
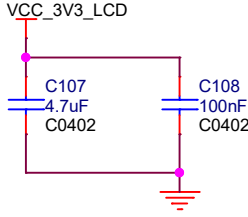
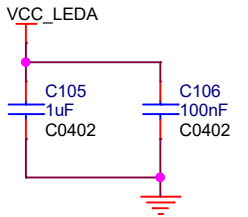
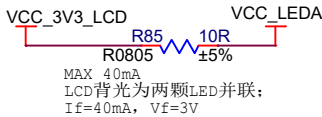


<Variant Name>

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

