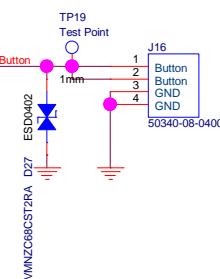
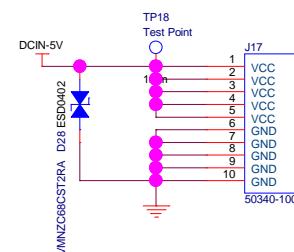
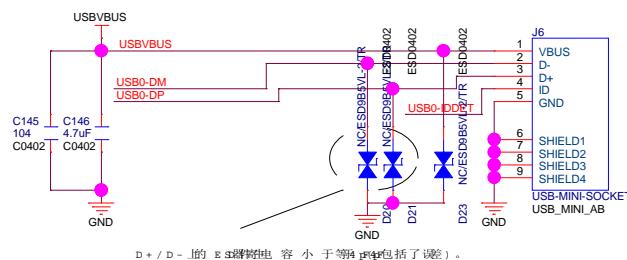


5 4 3 2 1

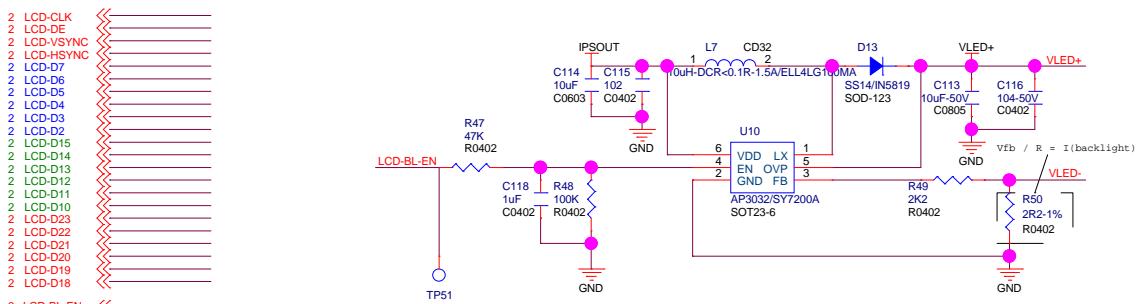
Button**PCB Power Assay****USB-DEVICE**

Differential pairs
 $Z_0 = 90 \text{ ohm}$

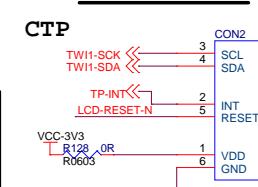
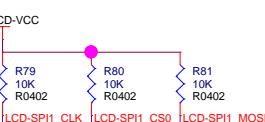
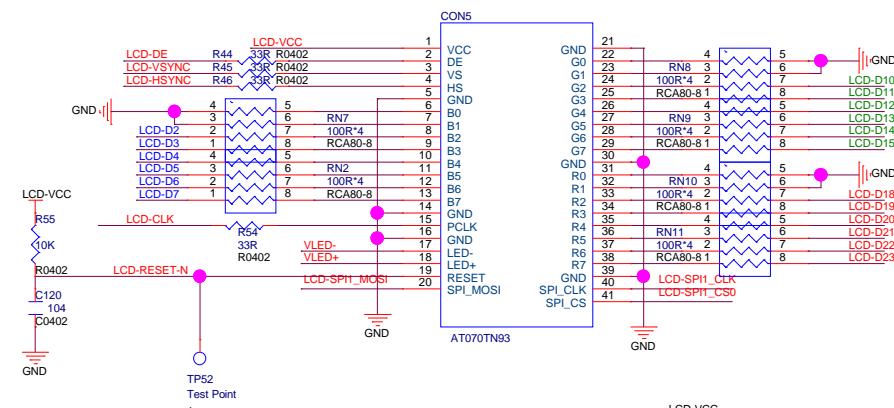
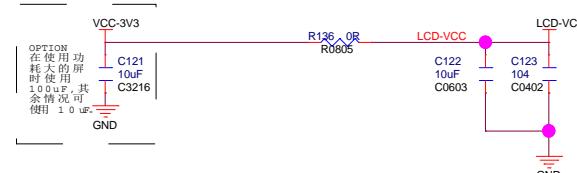


5 4 3 2 1

DISPLAY

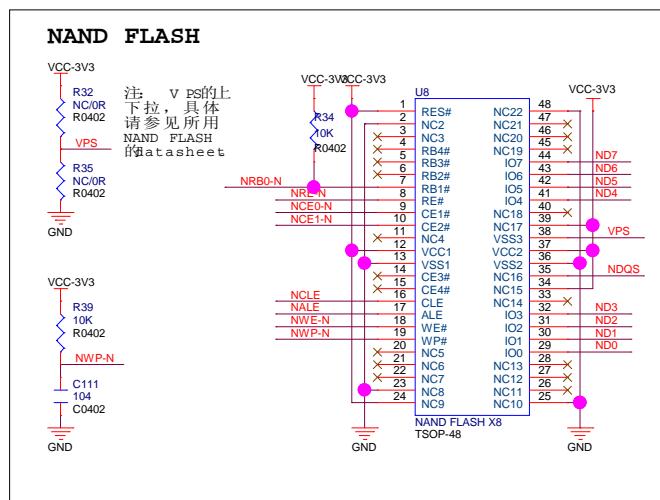
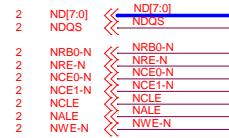


2 LCD-RESET-N<-----



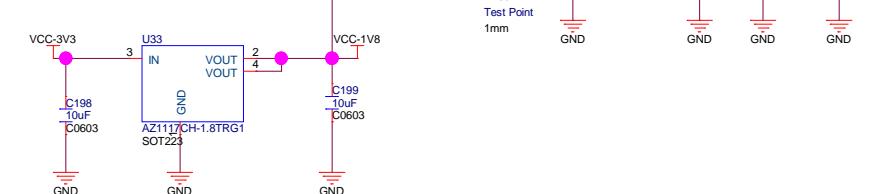
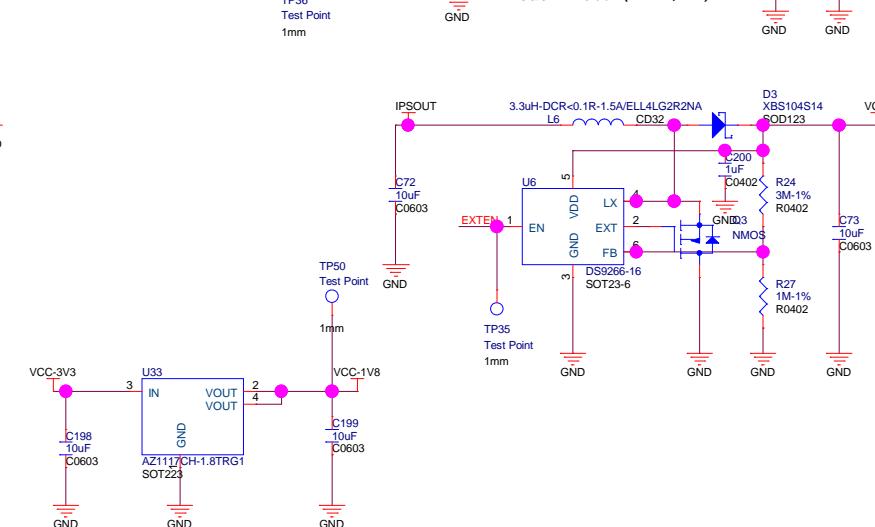
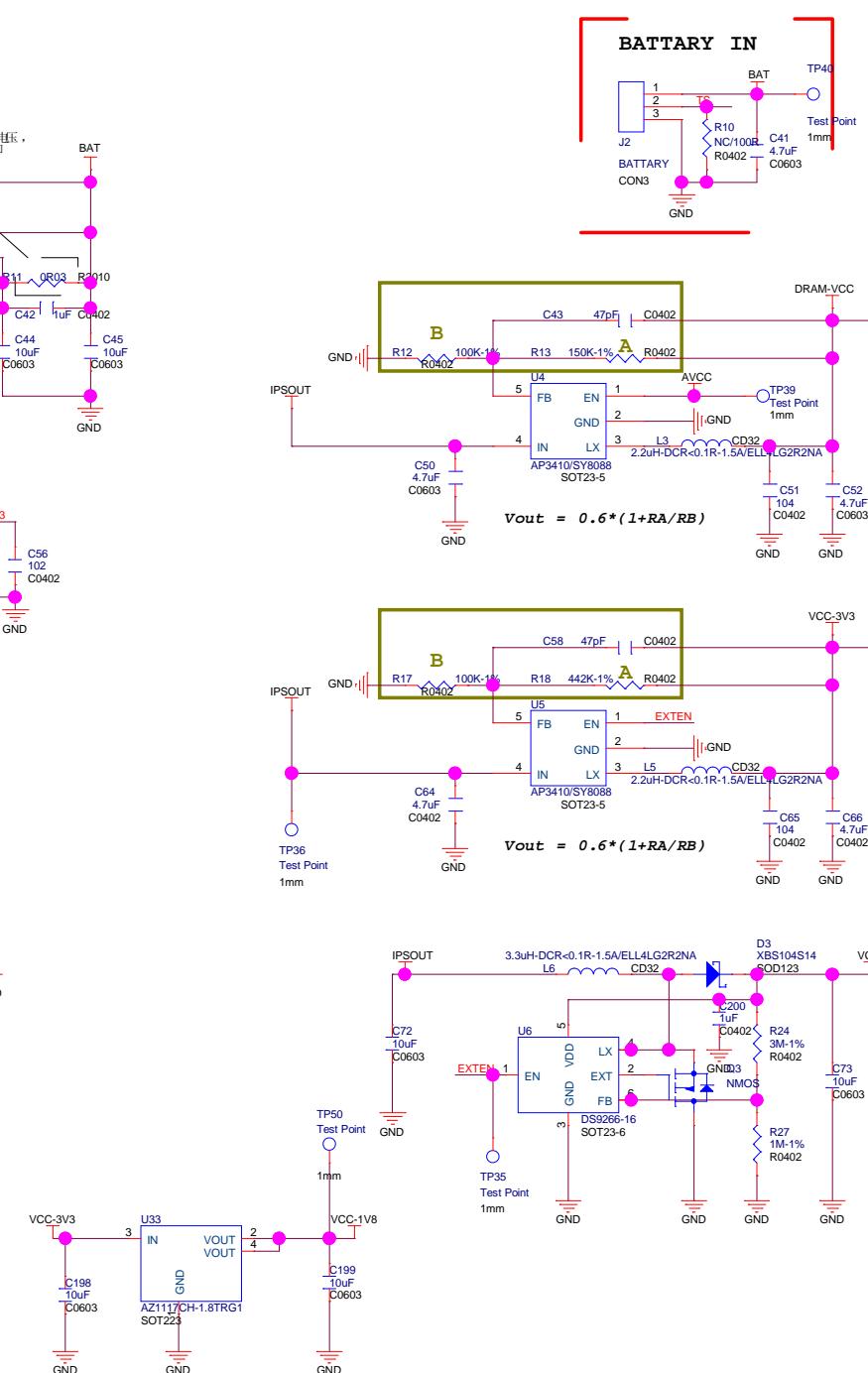
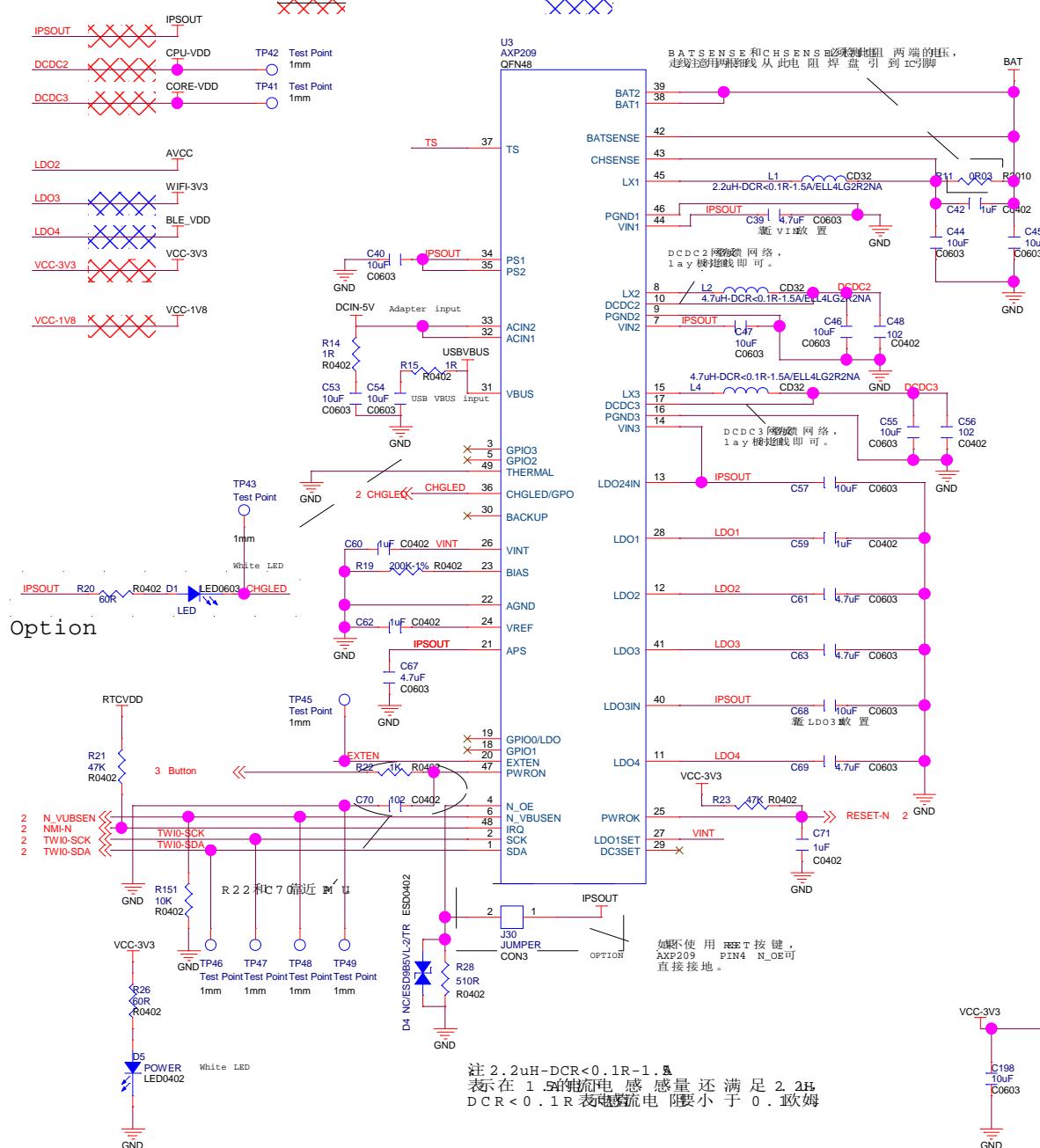
电容屏信号连接示意图

FLASH/CARD



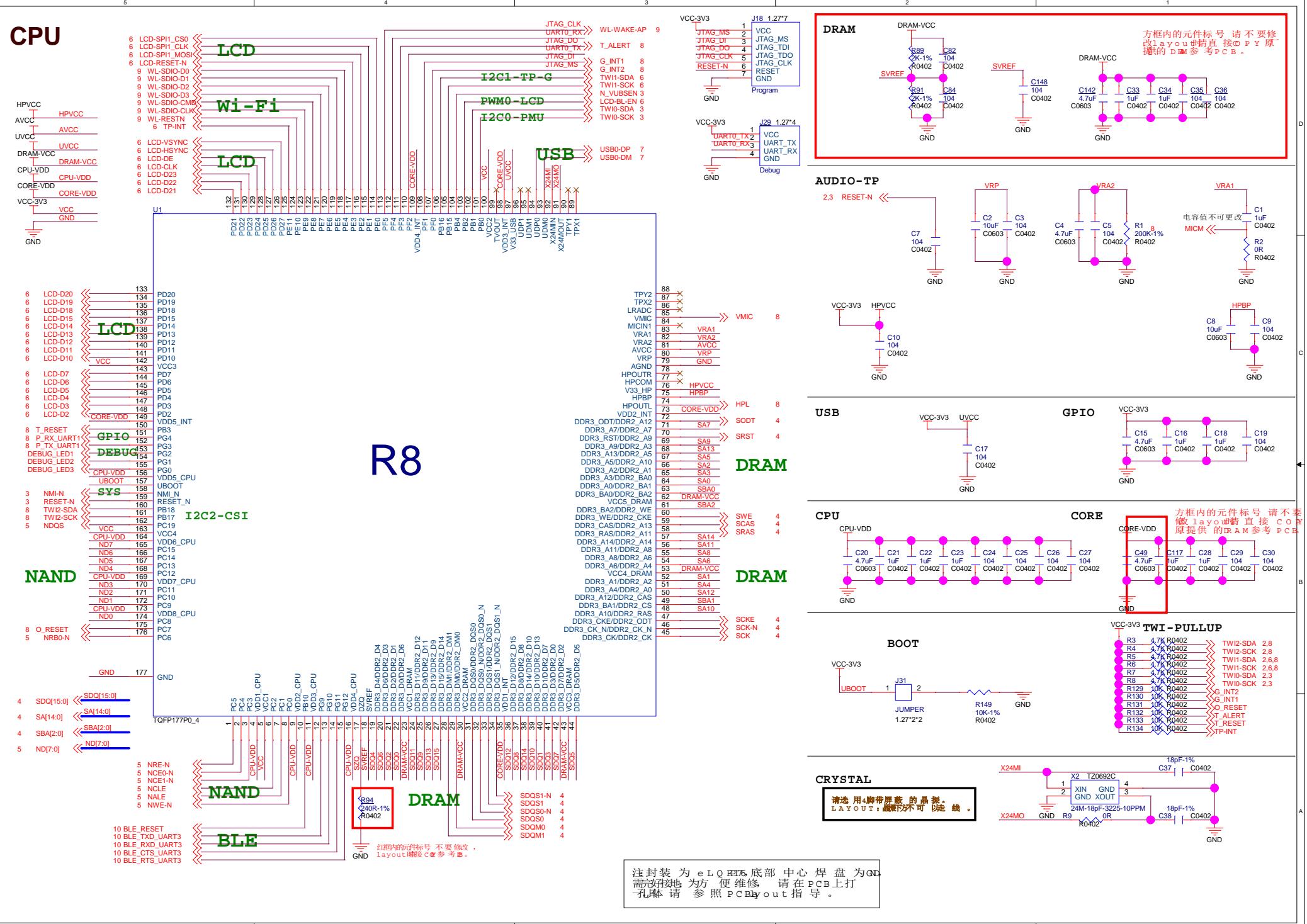
POWER

POWER LINE:Width>=80mil POWER LINE:Width>=50mil



5 4 3 2 1

注 2.2uH-DCR<0.1R-1.5A
表示在 1.5 的输出电感量还满足 2.2uH
DCR < 0.1R 表明输出电感要小于 0.1 欧姆



COVER

Schematics Index

R8-REFERENCE-DESIGN

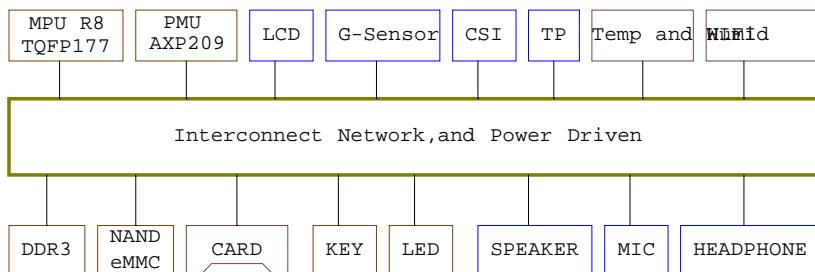
- 01 COVER
- 02 CPU
- 03 POWER
- 04 DDR3 16x1
- 05 FLASH/CARD
- 06 DISPLAY
- 07 USB-OTG/WIFI
- 08 MISC

OPTION

- 09 DDR3 8x2
- 10 AUDIO

特别提醒：
 1: PG0 / PG1 / PG2 这三个IN脚
 具有 INPIW 的功能。
 2: PMU的GPIO0/1/2这三个IN脚
 做GPIO-OUT功能。
 3: PG10 / PG11 / PG12 这三个IN脚
 的方向可改变。
 4: CSI-PCLK / CSI-MCL这两个IN脚
 具有 INPIW 的功能。
 5: CSI-HSYNC具有 INPIW 的功能，
 不他用途。

BLOCK



REVISION HISTORY

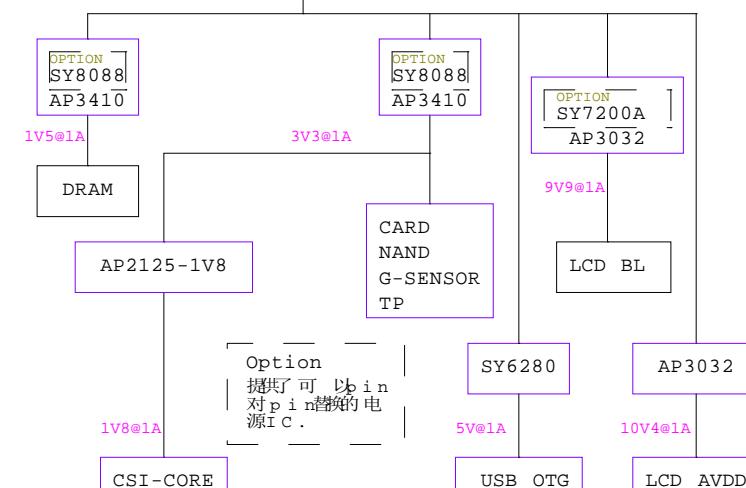
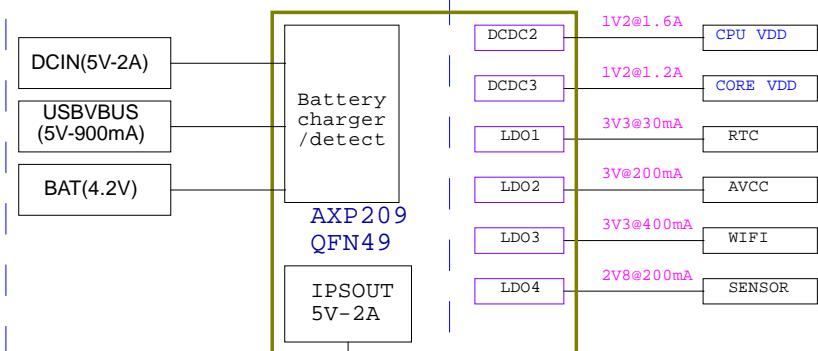
Revision	Description	Date	Drawn	Checked	Approved
Ver 1.0					

GPIO ASSIGNMENT

CPU	Define	Function
PB0	TWI0_SCK	TWI0-PMU
PB1	TWI0_SDA	
PB2	PWM0	LCD
PB3	GPIO-OUT	TP-WAKEUP
PB4	GPIO-OUT	USER-LED
PB10	GPIO-OUT	CSI-STY
PB15	TWI1_SCK	TWI1-TP-G
PB16	TWI1_SDA	
PB17	TWI2_SCK	TWI2-CSI
PB18	TWI2_SDA	
PG0	GPIO-IN	SD0-DET-N
PG1	NC	
PG2	GPIO-IN	USB0-IDDET
PG3	GPIO-OUT	CSI-STY-1
PG4	GPIO-OUT	CSI-RST-1
PG9	GPIO-OUT	ACIN-EN
PG10	GPIO-OUT	PA-SHDN
PG11	EINT	TP-INT
PG12	GPIO-OUT	USB0-DRV
<hr/>		
PMU	Define	Function
GPIO0	GPIO-OUT	LCD-PWR
GPIO1	GPIO-OUT	LCD-BL-EN
GPIO2	GPIO-OUT	CSI-PWR-EN
GPIO3	GPIO-OUT	CSI-RST

POWER TREE

LAYOUT: DCIN BA、IPSO 输入或输出线，从PMU管脚处就要保证尽量粗。

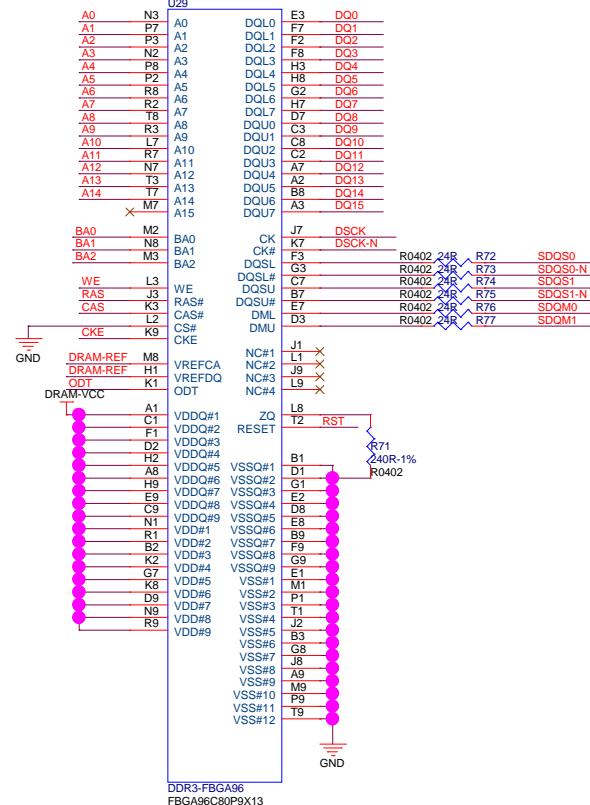
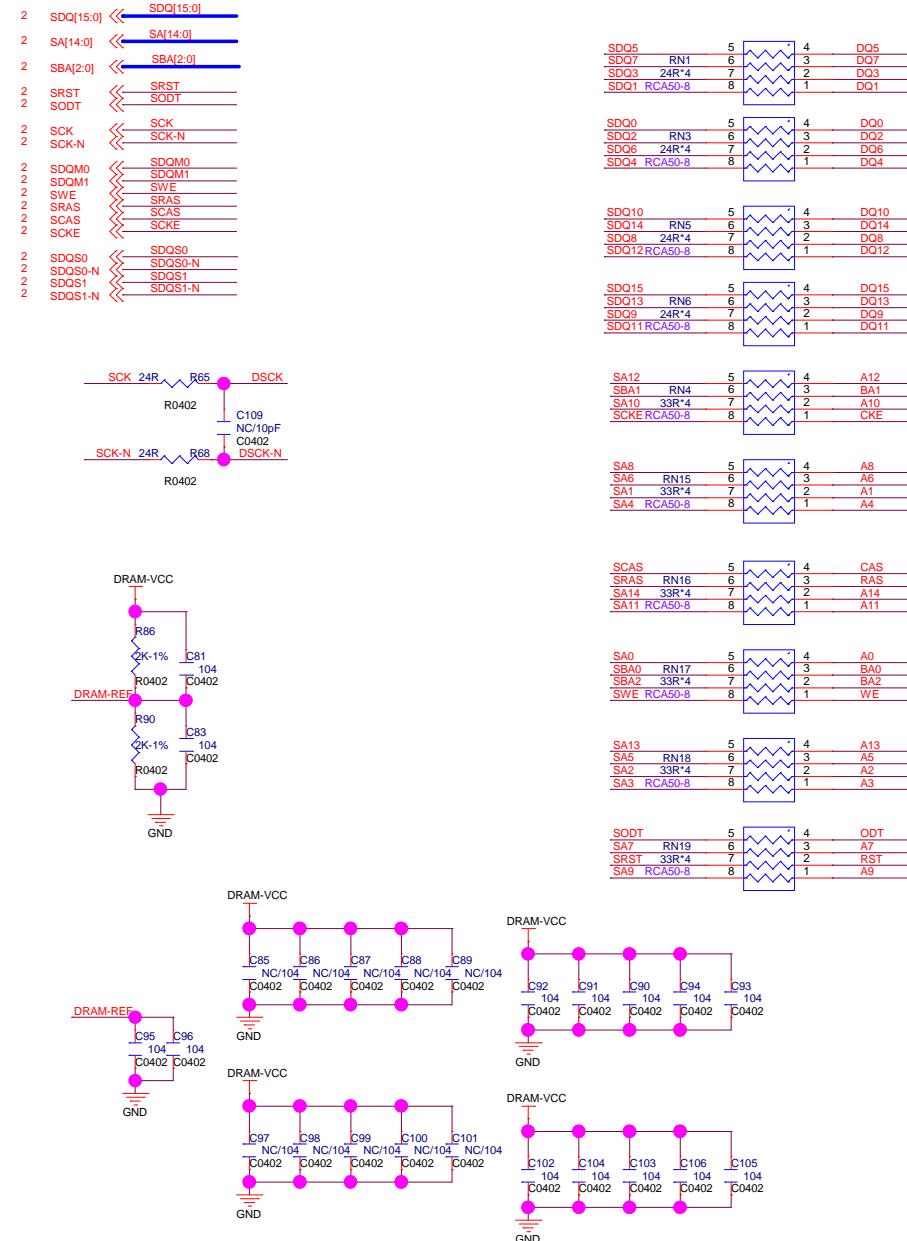


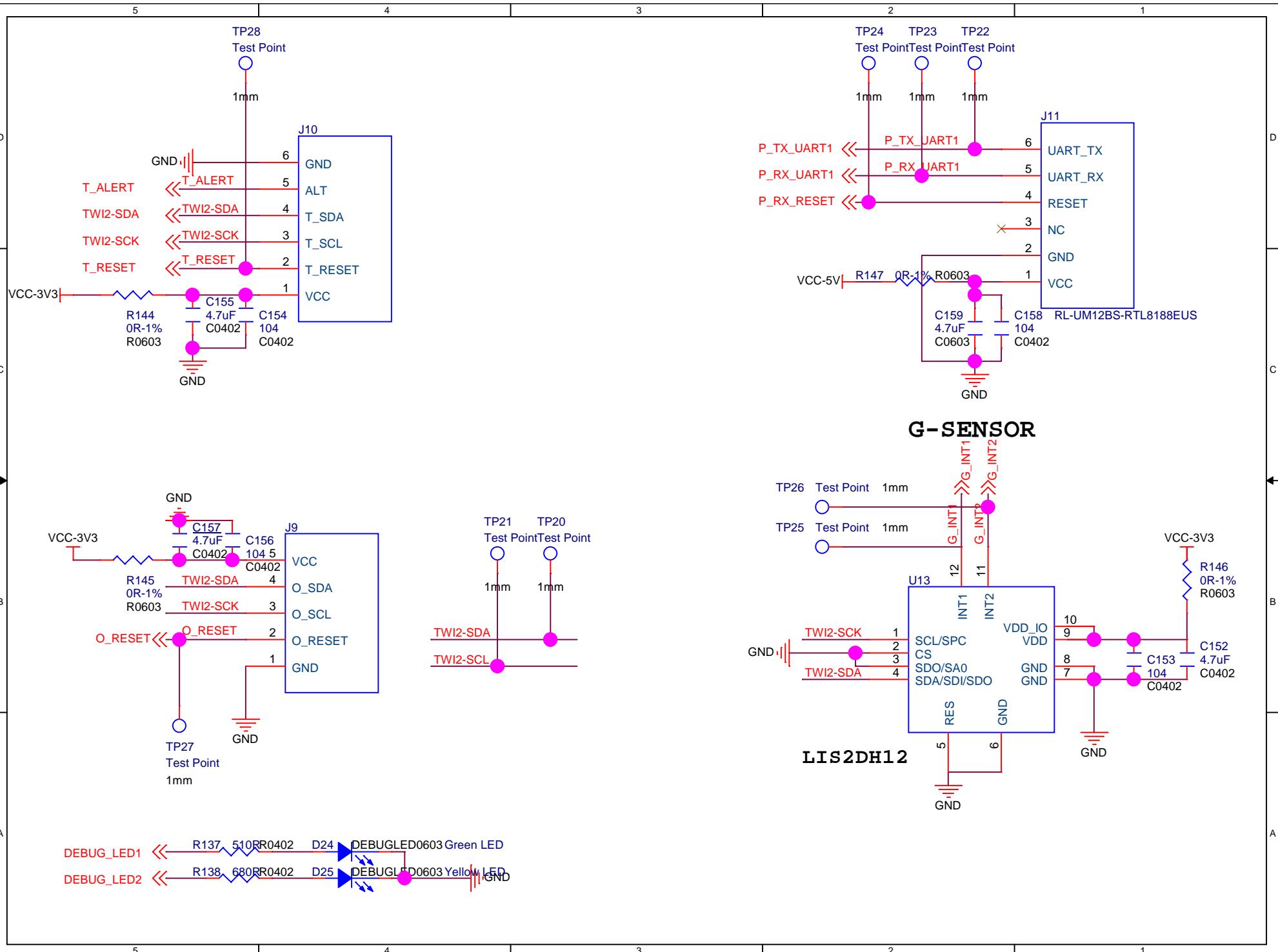
Option 提供了可以 in 对 pin 转换的电
源 I C .

DDR3 16x1

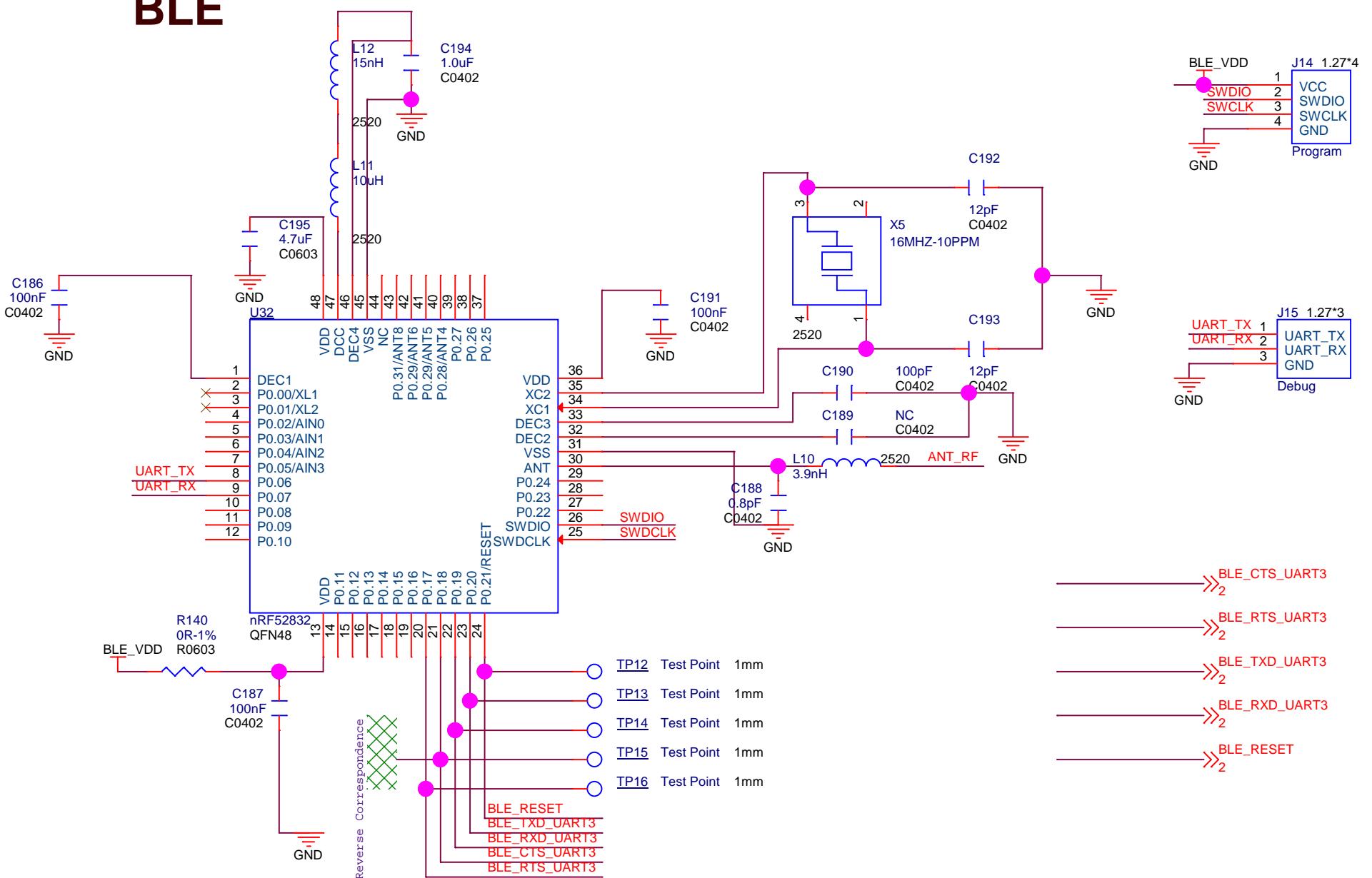
DDR3

本页的元件标号请不要修改
layout时直接用原厂提供的DRAM参考PCB

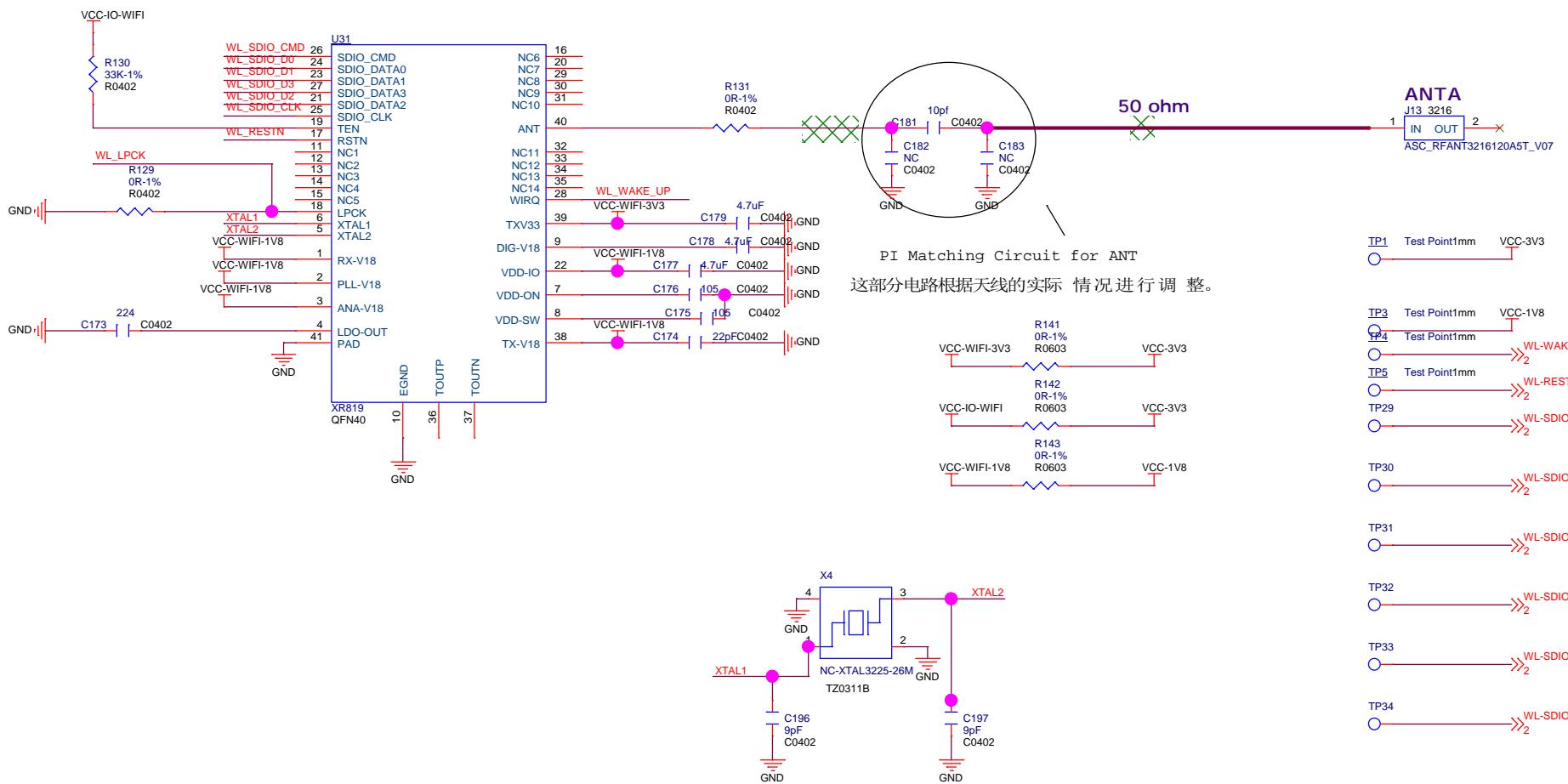




BLE



Wi-Fi



PI Matching Circuit for ANT
这部分电路根据天线的实际 情况进行调整。

Title		<Title>	
Size		Document Number	
B	<Doc>	Rev	<RevCode>
Date:	Thursday, June 02, 2016	Sheet	1 of 1