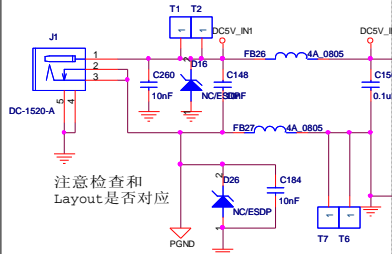
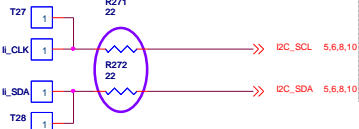


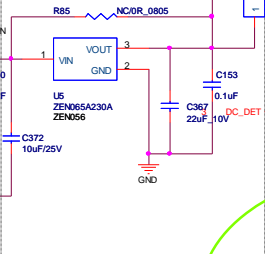
5V/3A Input



注意检查和Layout是否对应



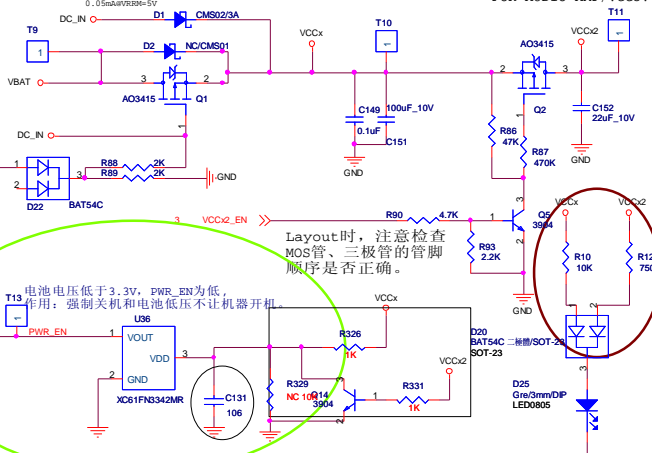
Over voltage protect Optional



Special Zener Do not replace with normal 5.1V zener trigger at 5.8V

D1/D2焊盘做大点,本体下方放置通孔到背面(裸露铜皮),以便散热。

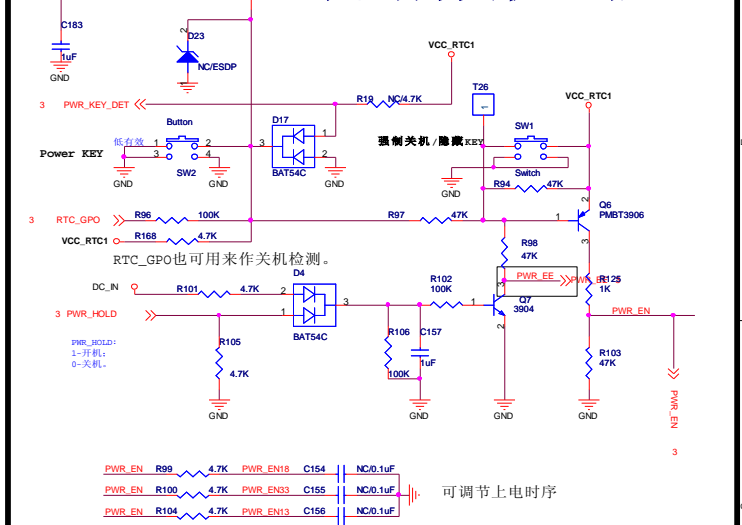
FOR AUDIO AMP/VCC5V



Layout时,注意检查MOS管、三极管的管脚顺序是否正确。

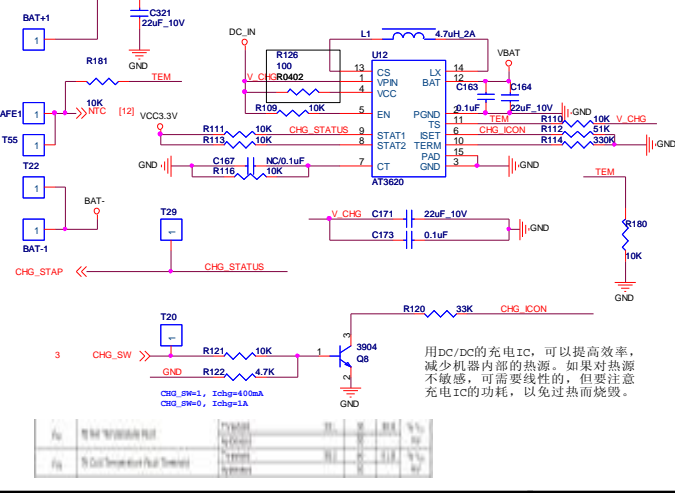
电池电压低于3.3V, PWR_EN为低,作用:强制关机和电池电压不让机器开机

定时开关机电路



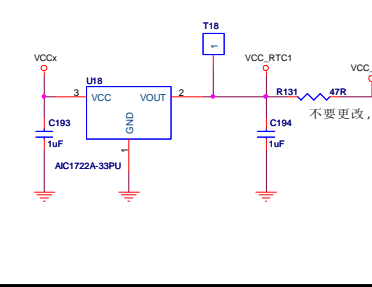
RTC_GPIO也可用来作关机检测。
PWR_HOLD: 1-开机, 0-关机。
可调节上电时序

Battery



用DC/DC的充电IC, 可以提高效率, 减少机器内部的热源。如果对热源不敏感, 可需要线性的, 但要注意充电IC的功耗, 以免过热而烧毁。

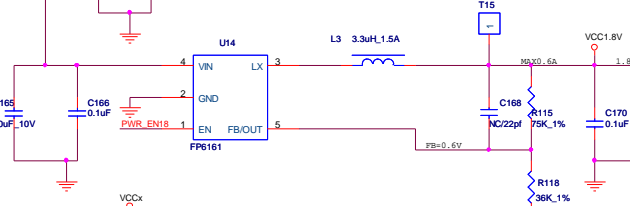
RTC Power



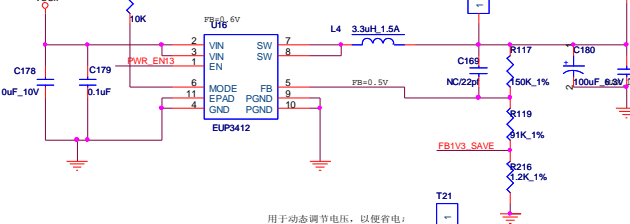
TO Decoder Use 1.25V MAX 1A

不要更改, close to cpu.

SYSTEM & DDRII 1.8V

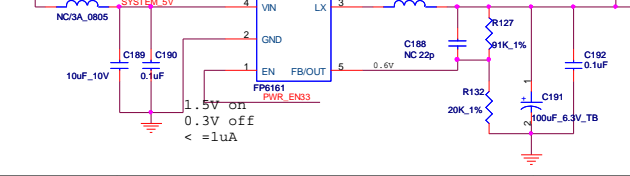


SYSTEM 1.25V

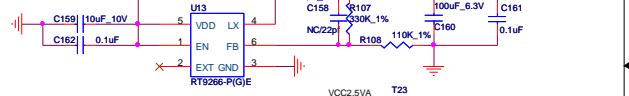


用于动态调节电压, 以便省电; 靠近DC/DC的摆放。

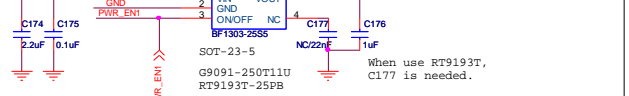
SYSTEM 3.3V



VCC5V BOO8T



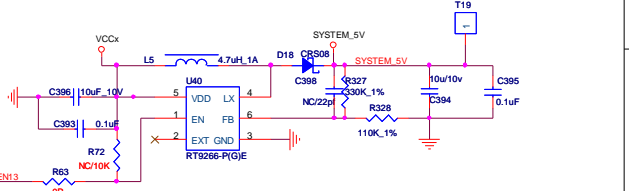
DAC 2.5V



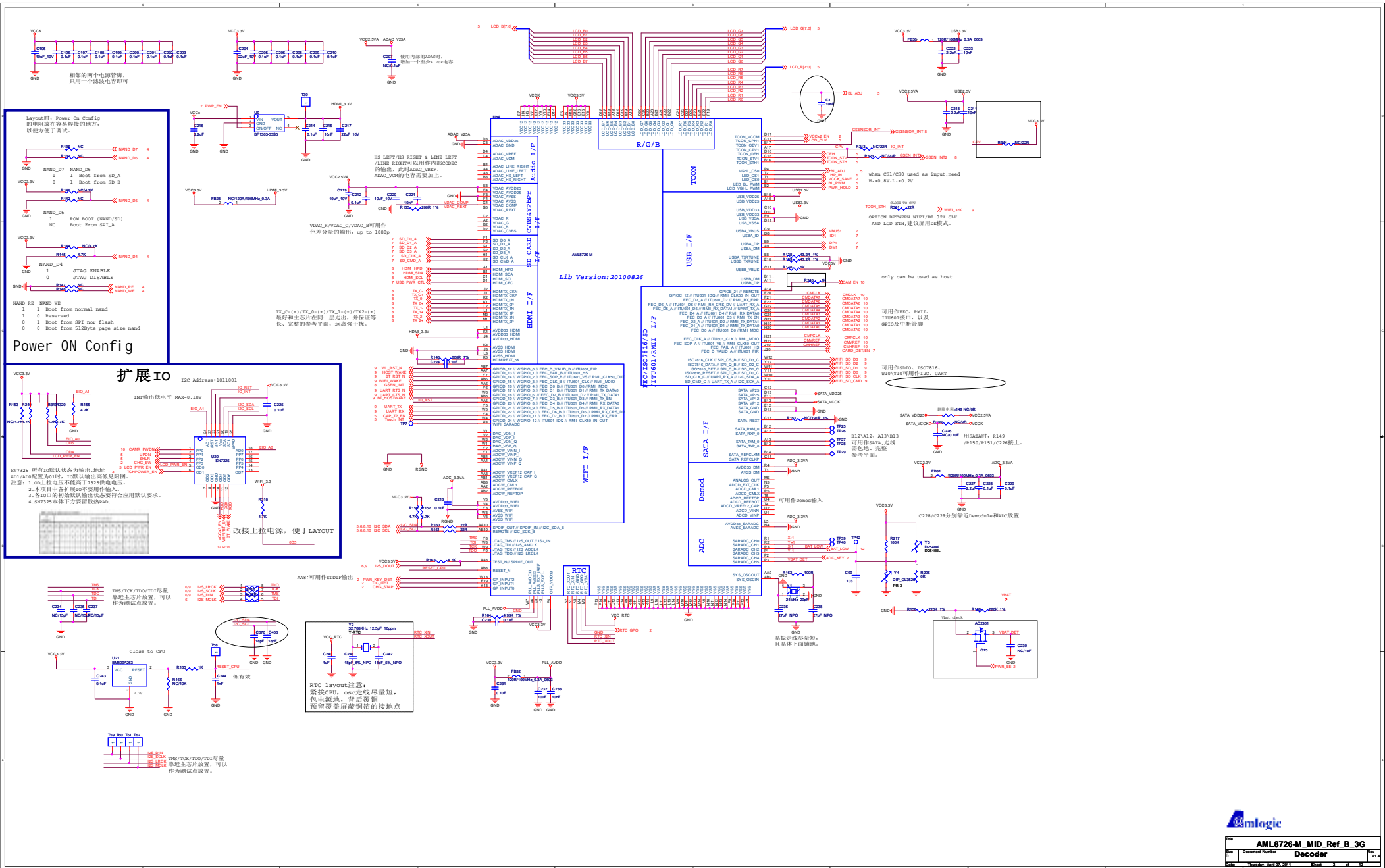
When use RT9193T, RT9193T-25PB, C177 is needed.

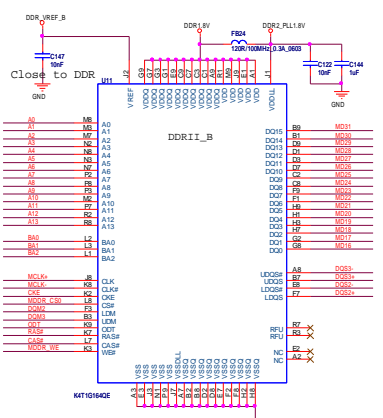
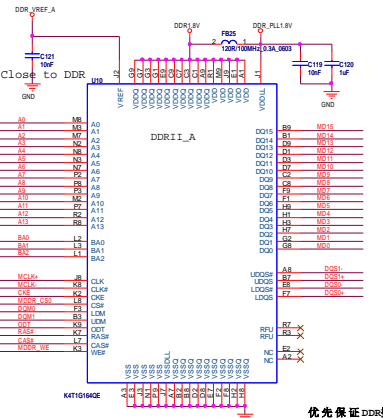
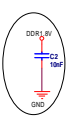
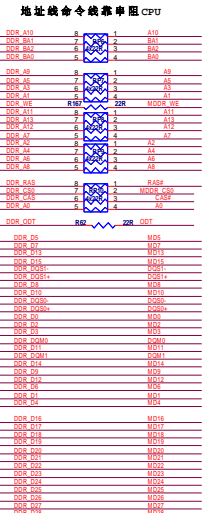
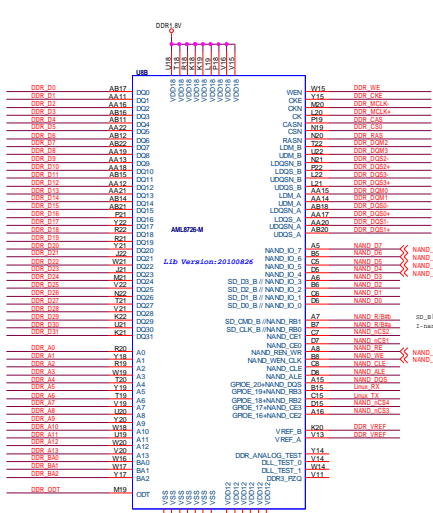
VCC3.3V R123 4.7K PWR_EN1
VCC3.3V, VCC1.8V, VCC1.2V先供电
VCC2.5VA后供电

SYSTEM 5V



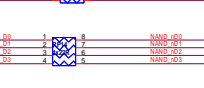
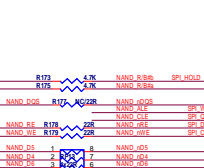
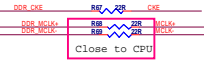
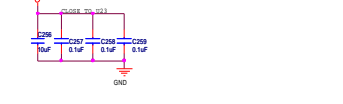
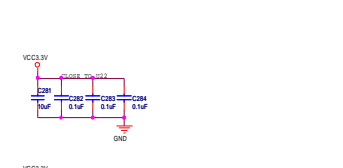
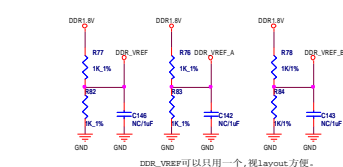
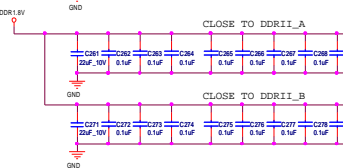
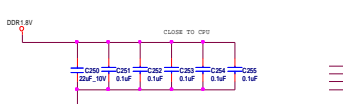
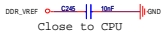
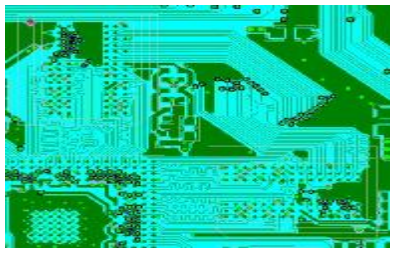
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Size: Custom	Document Number: Power	Rev: V1.4
Date: Friday, April 06, 2011	Sheet: 2	of 12



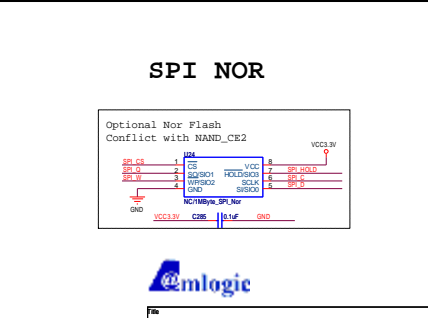
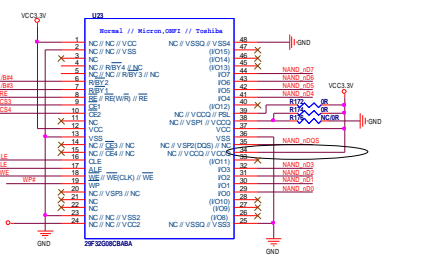
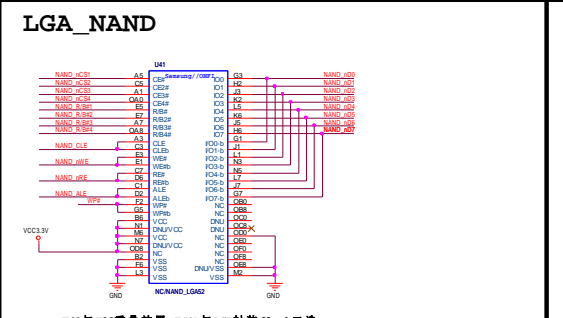
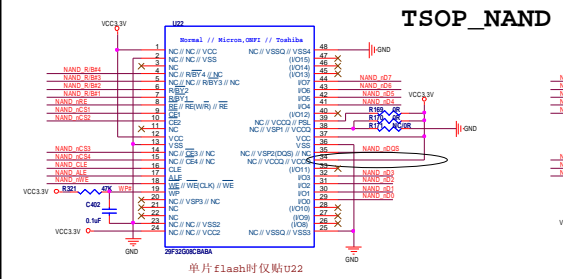


优先保证DDR数据线尽量短
 优先保证同一字节的的数据线及DQS/DQM接近等长
 DDR DATA信号不可打孔，背后必须保证完整地平面对地平面不允许铜裂

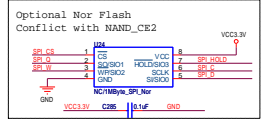
DDR参考LAYOUT如下图：



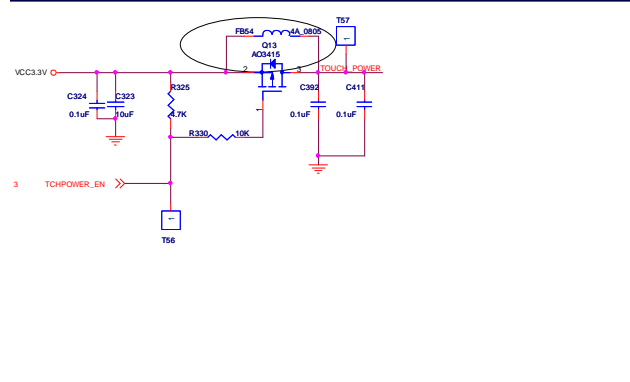
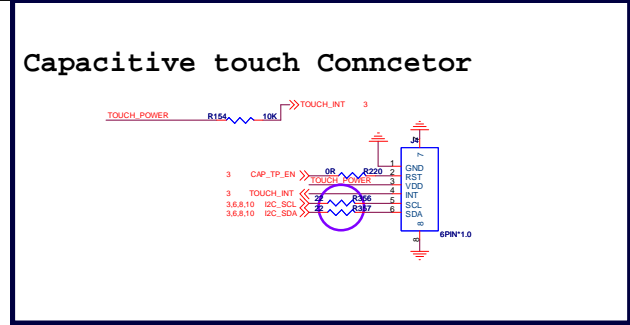
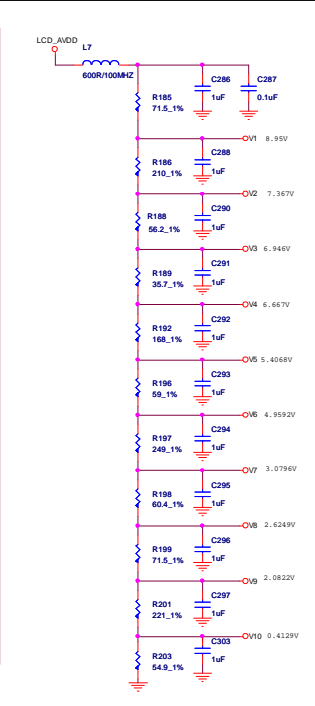
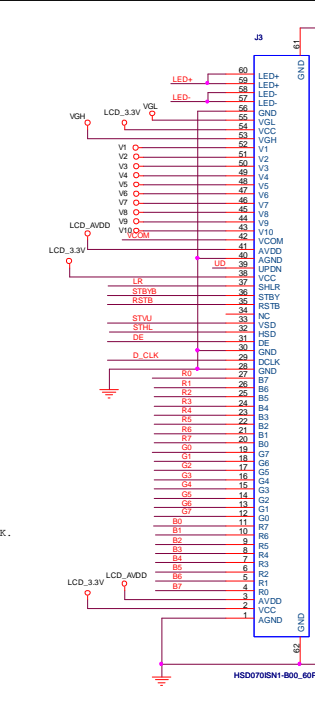
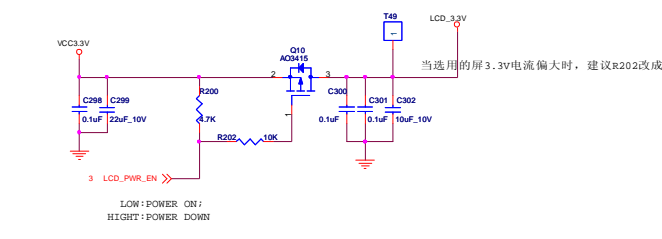
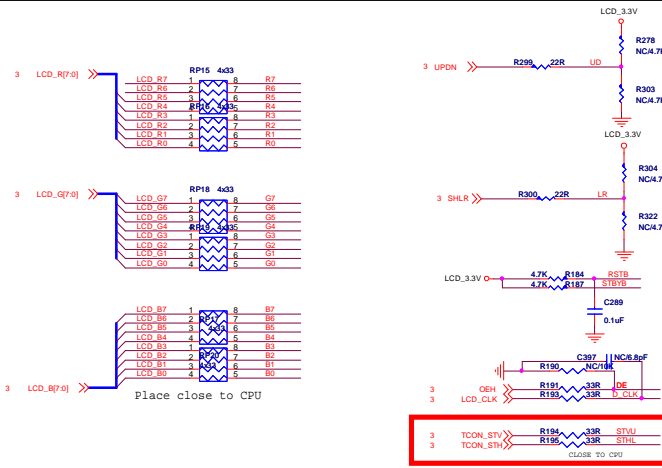
- NAND_CSE3, NAND_CSE4 For 2 nand with 1CE
 NAND_CSE1, NAND_CSE2 For 4CE
 NAND_CSE3, NAND_CSE4 For 2CE
- 尽量放在便于焊接的地方，以便前期回焊。
- 1) 1片1CE, NR1-3 NC, 使用ncS1, R/B/B
 - 2) 1片2CE, NR3/RB/RB, NR1/NC/NC, 使用ncS1, R/B/B 和 ncS2, R/B/B
 - 3) 2片1CE, NR1, NR3/RB/RB, NR2/NC, 使用ncS1, R/B/B 和 ncS2, R/B/B
 - 4) 2片2CE, NR2/RB/RB, NR1, NR3/NC, 使用ncS1, ncS2, R/B/B 和 ncS3, ncS4, R/B/B
 - 5) 1片4CE, NR2/RB/RB, NR1, NR3/NC, 使用ncS1, ncS2, R/B/B 和 ncS3, ncS4, R/B/B



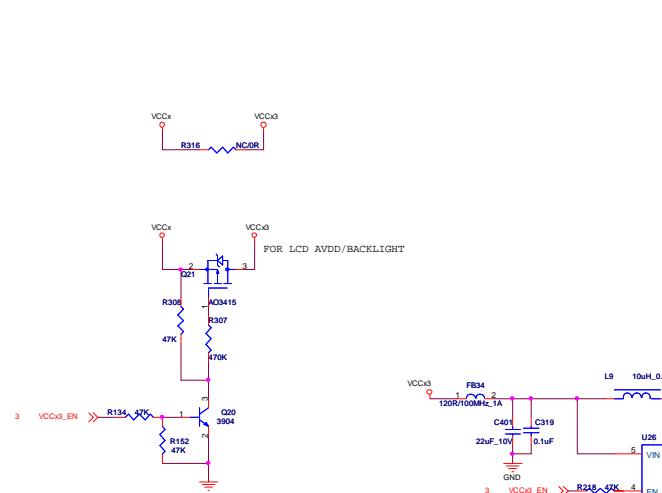
SPI NOR



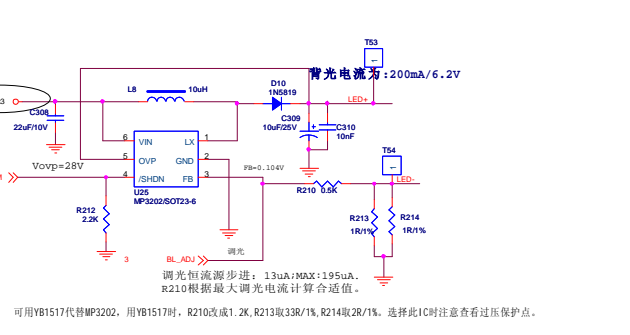
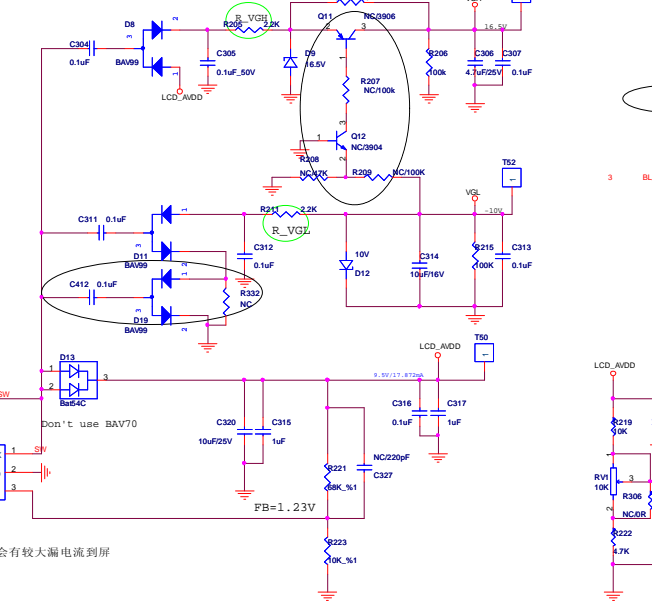
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Doc	Doc	Doc	Doc
Doc	Doc	Doc	Doc



AVDD&VGH&VGL&BL POWER



若不需要在HDMI输出模式时完全关闭panel部分电源, 可cancel此部分控制开关电源, ADD R316.



背光电流为: 200mA/6.2V

调节恒流源步进: 1.3uA; MAX: 195uA.
R210根据最大调光电流计算合适值。

可用YB1517代替MP3202, 用YB1517时, R210改成1.2K, R213取33R/1K, R214取2R/1%. 选择此1时注意查看过压保护点。

注意: AT1308关闭时, AVDD也会有较大漏电流到屏

LED背光电压较高时建议此部分直接从vccx网络取电, 提高效率。

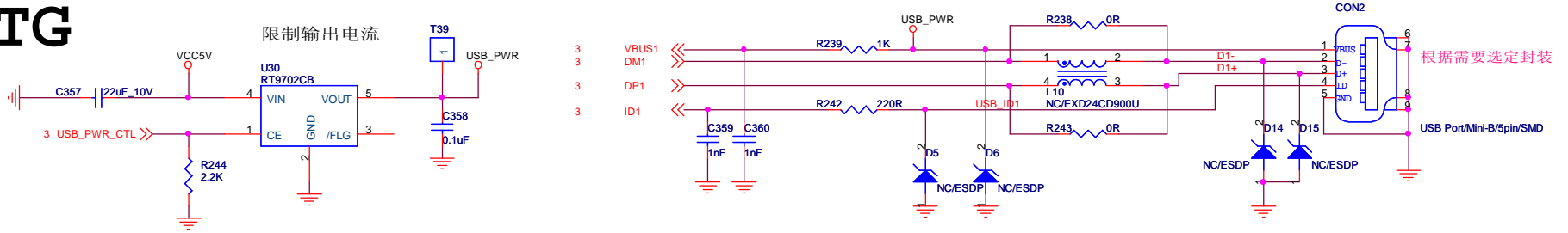
AML8726-M_MID_Ref_B_3G

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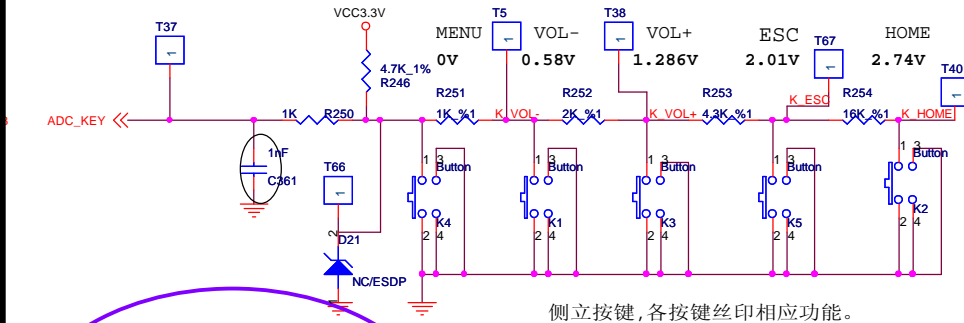
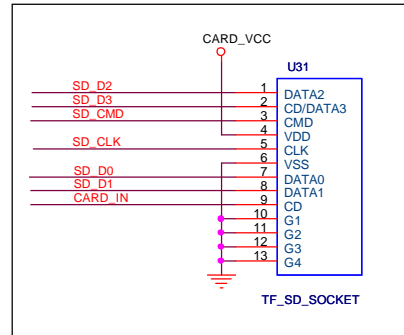
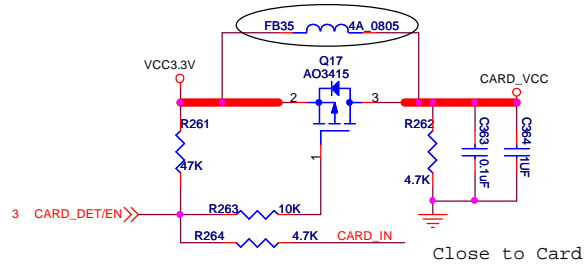
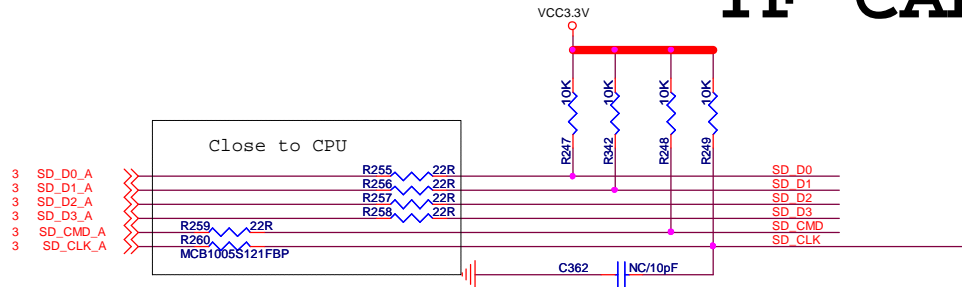
Panel&CAP/RES TOUCH

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USB OTG



TF CARD

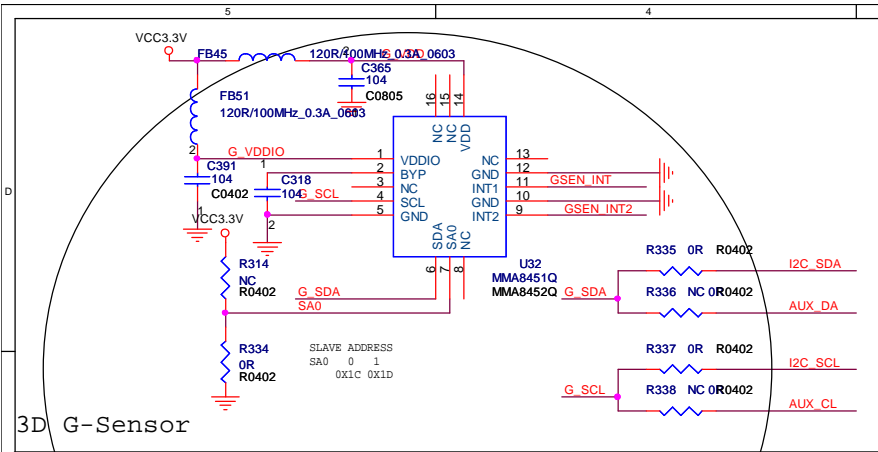


需要较少按键时,可以去掉一些按键,合并阻值。同时按下多个按键时,检测到最左边低压按键OK键等特殊按键应当放在右侧高压端

ADC KEY

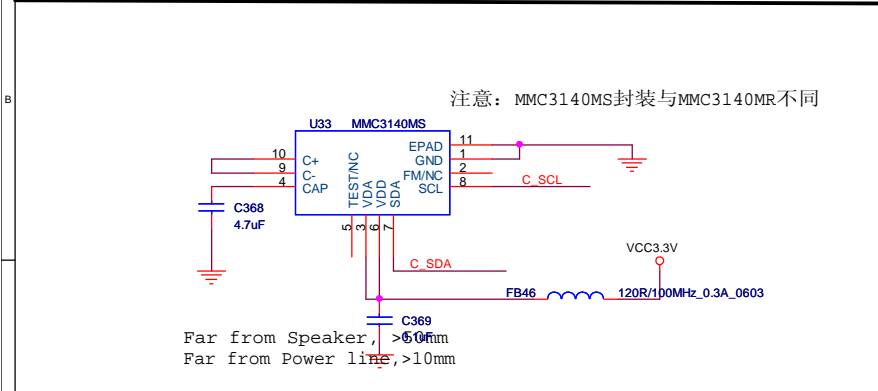
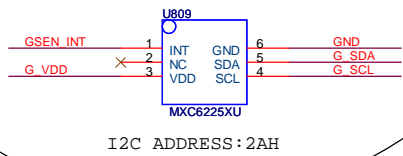


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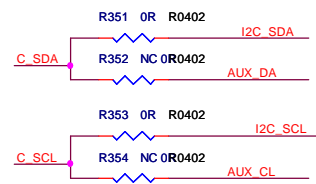
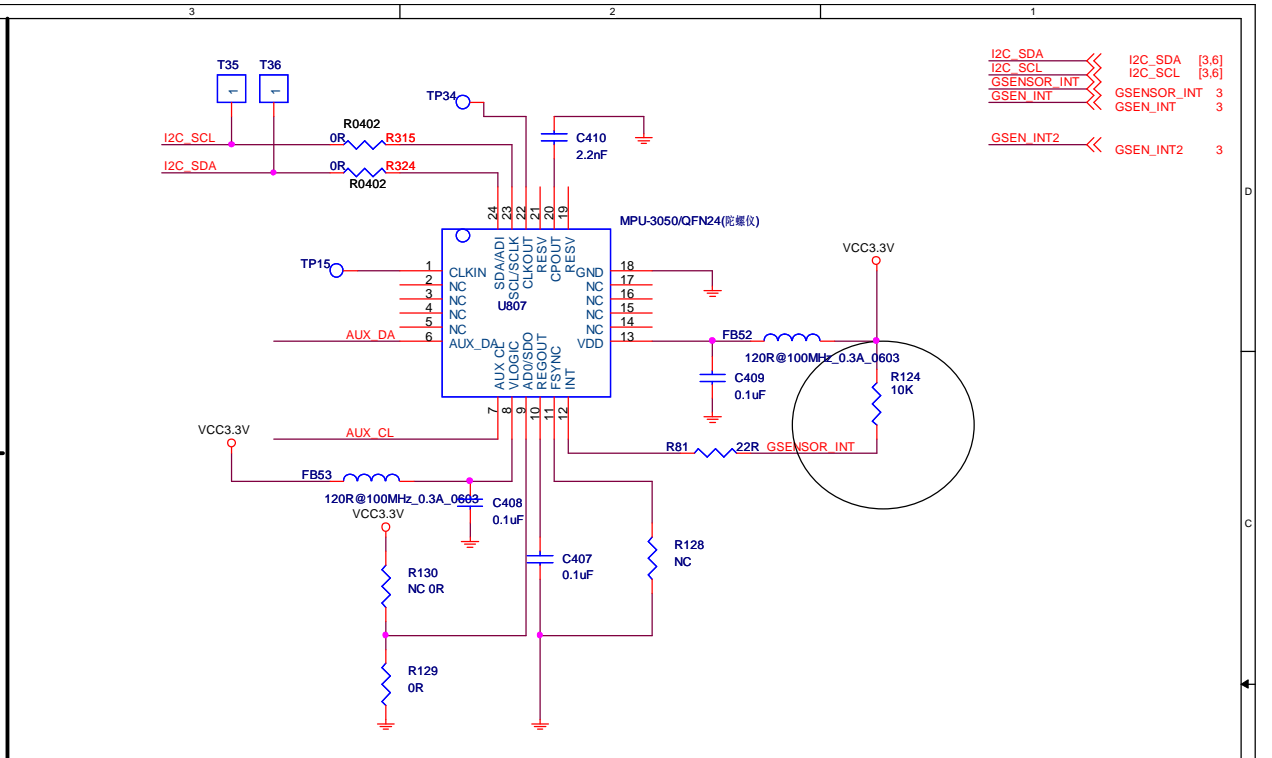


3D G-Sensor

G Sensor



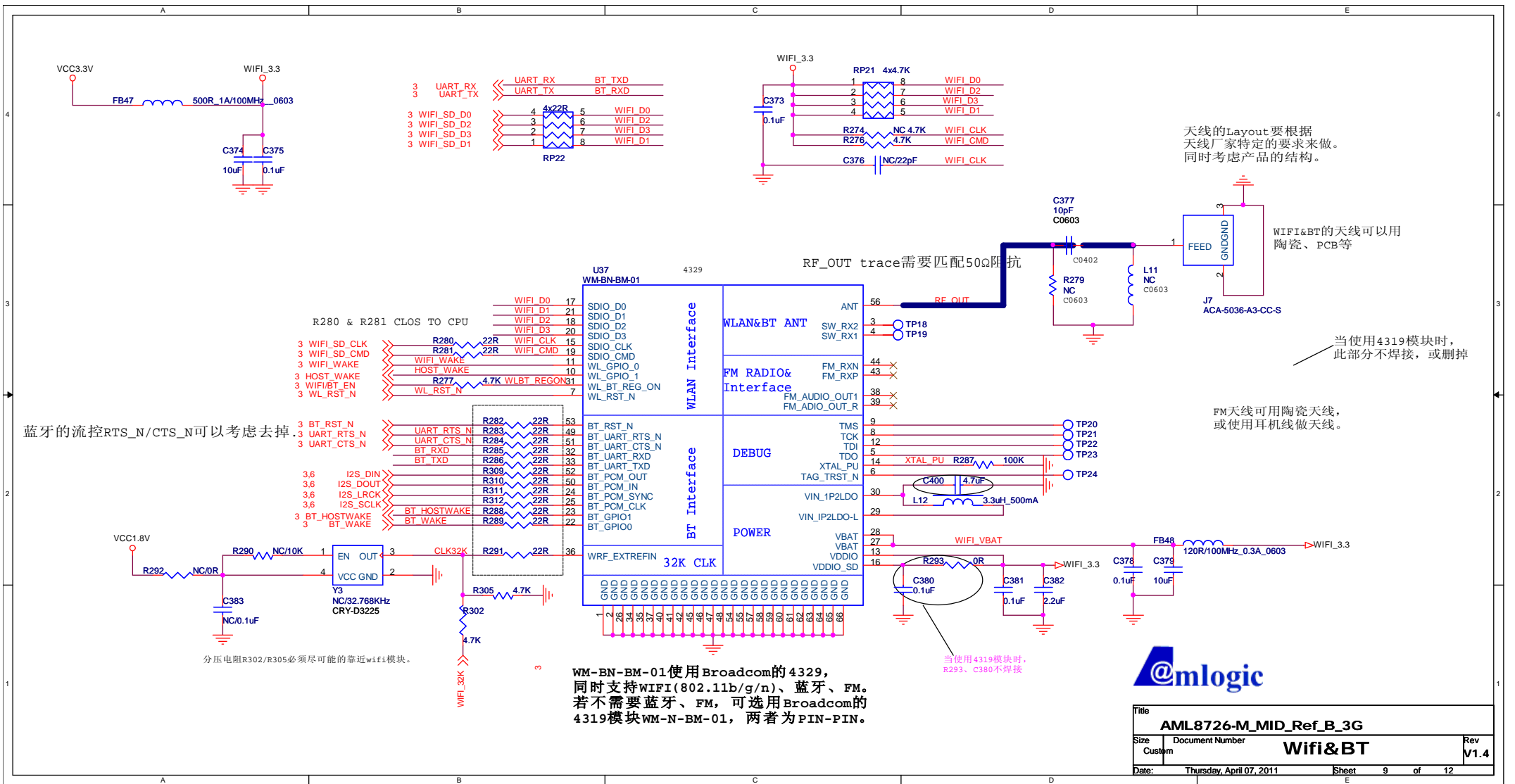
Magnetic Sensor



- I2C_SDA \rightarrow I2C_SDA [3,6]
- I2C_SCL \rightarrow I2C_SCL [3,6]
- GSENSOR_INT \rightarrow GSENSOR_INT 3
- GSEN_INT \rightarrow GSEN_INT 3
- GSEN_INT2 \rightarrow GSEN_INT2 3



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天线的Layout要根据
天线厂家特定的要求来做。
同时考虑产品的结构。

WIFI&BT的天线可以用
陶瓷、PCB等

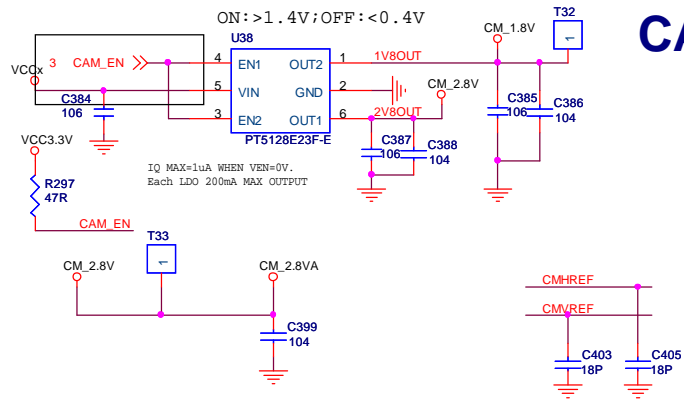
当使用4319模块时，
此部分不焊接，或删掉

FM天线可用陶瓷天线，
或使用耳机线做天线。



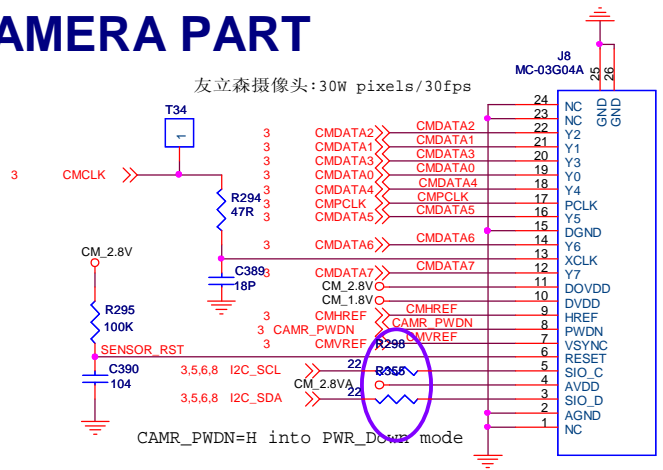
Title			
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CAMERA PART



ON: >1.4V; OFF: <0.4V
 IQ MAX=1uA WHEN VEN=0V.
 Each LDO 200mA MAX OUTPUT

亦可用广州大凌实业有限公司摄像头
 DC-100628A: 200W pixels/
 30fps for SVGA&15fps for UXGA.
 注意两种摄像头I2C接口定义有所不同。



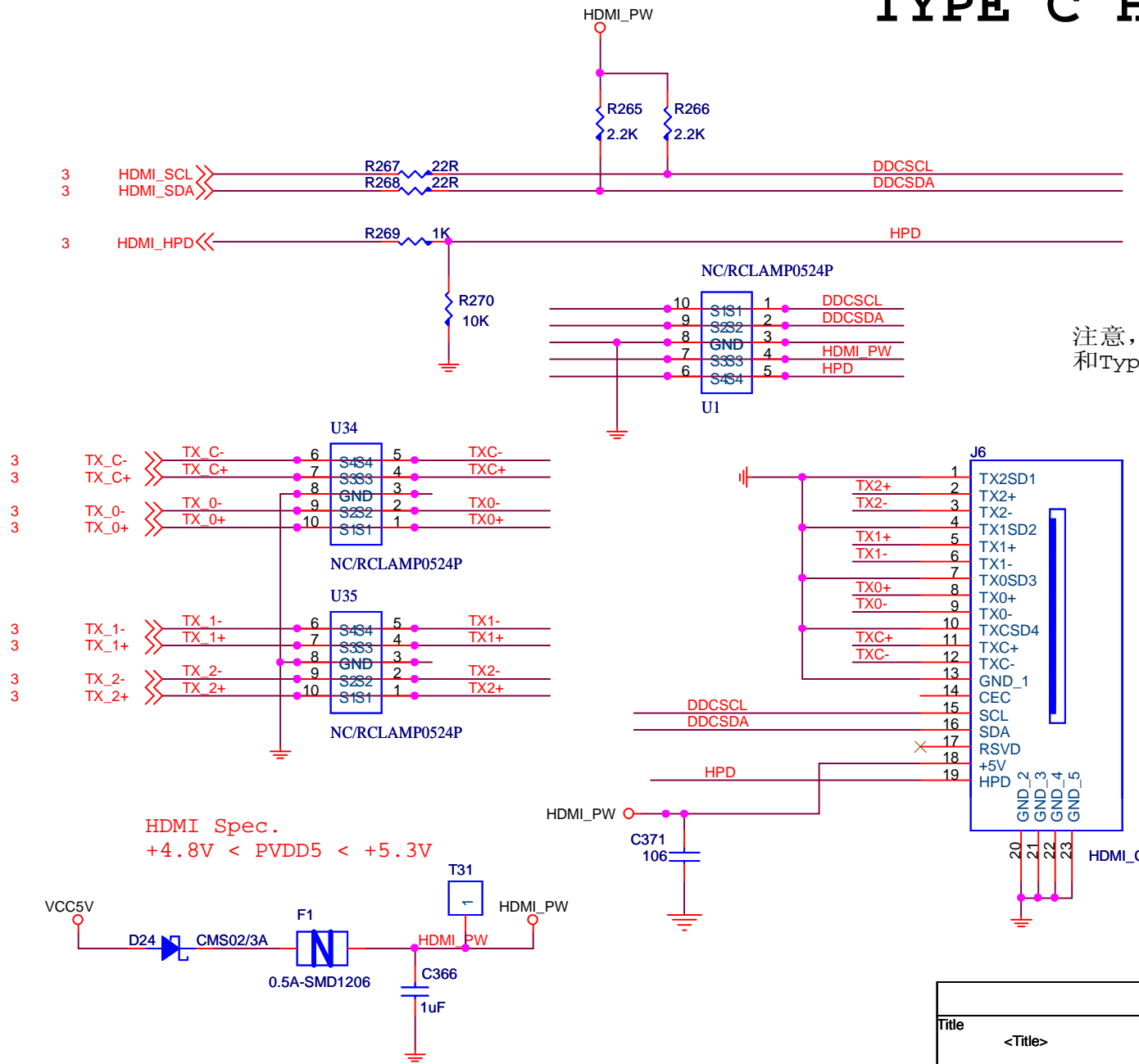
注意确认摄像头型号与所需机构是否匹配，很多型号都是为指定机构所做。



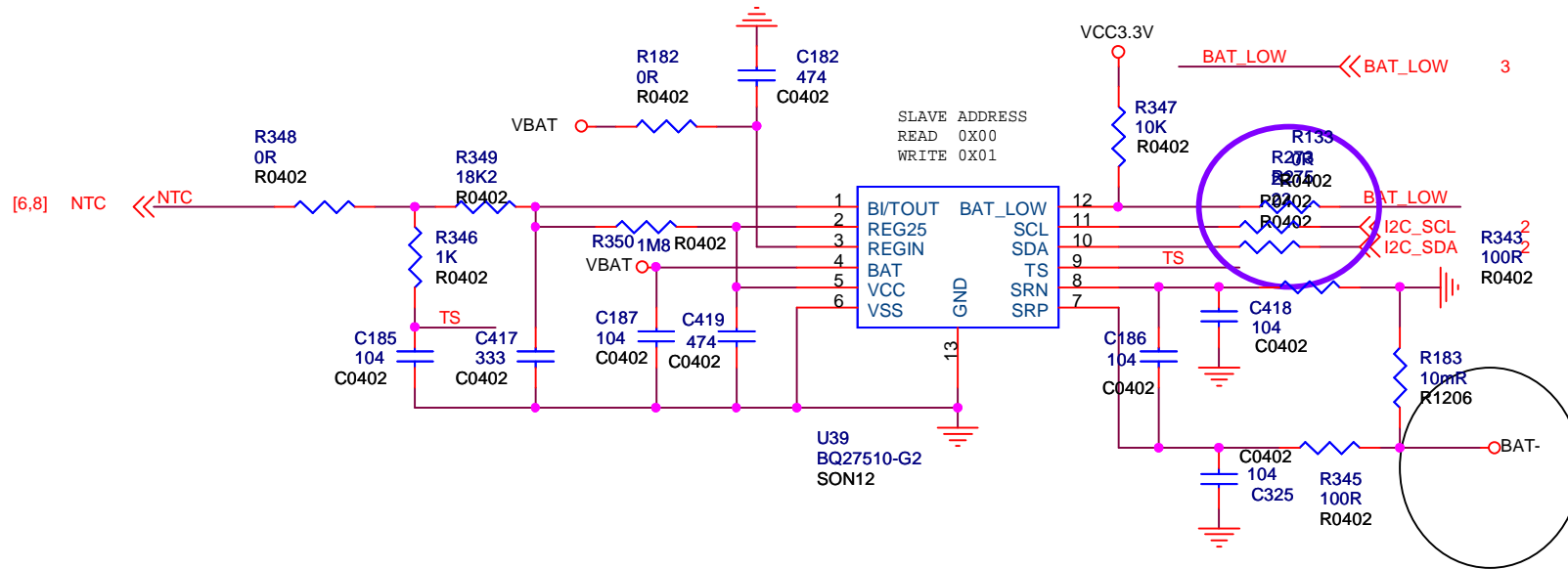
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Size	Document Number	CAMERA&Gyroscope			Rev
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TYPE C HDMI

注意，此处信号为TypeC排列，
和TypeA,B座子信号排列不同



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<Title>		
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<Title>		
Size	Document Number	Rev
A	<Doc>	<RevCode>
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