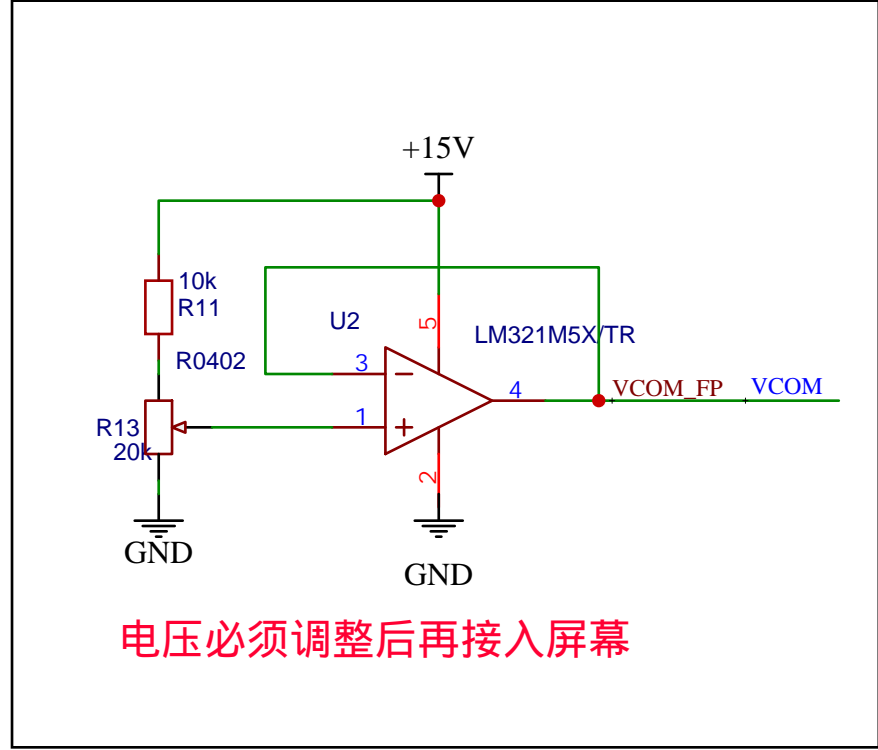
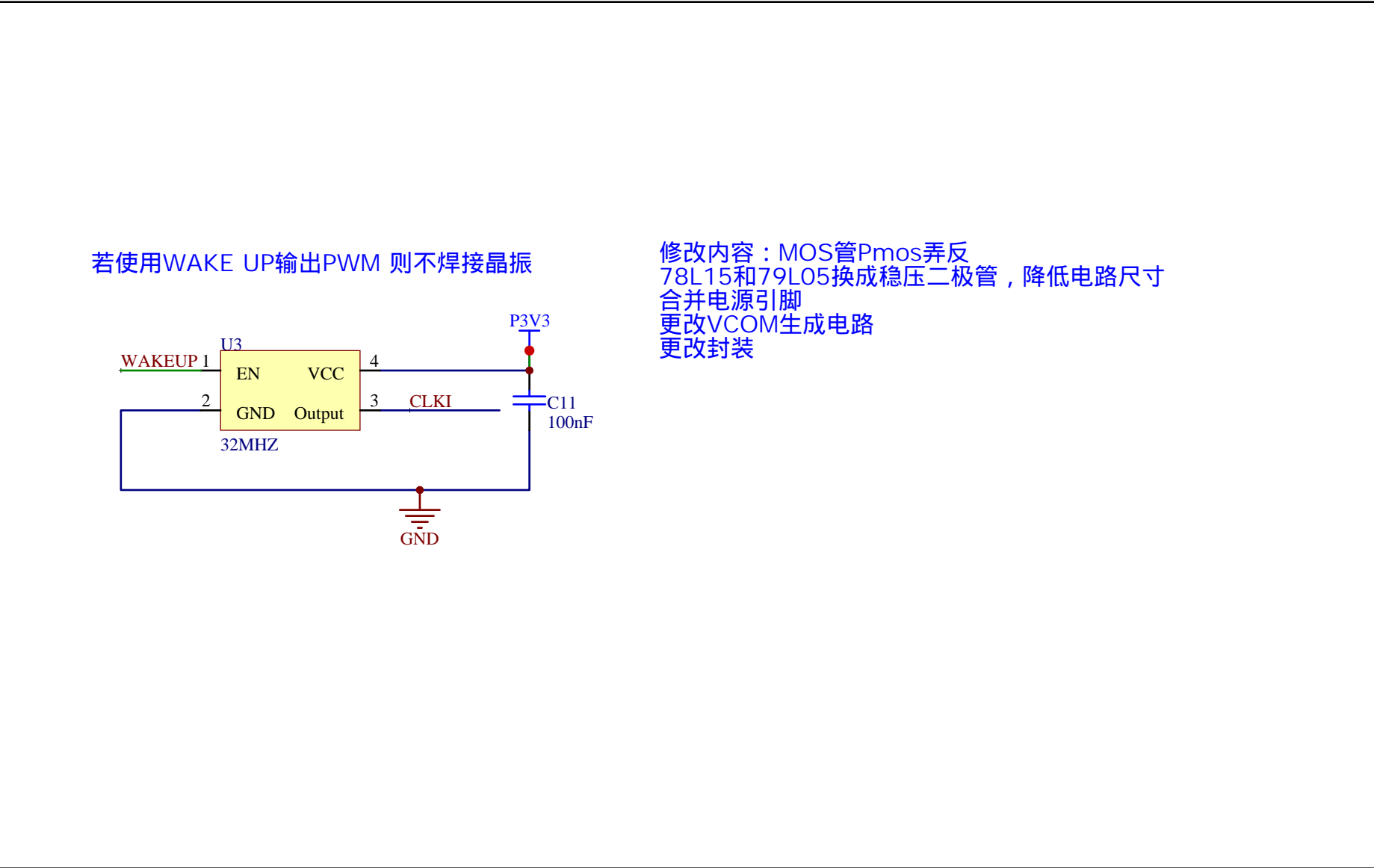
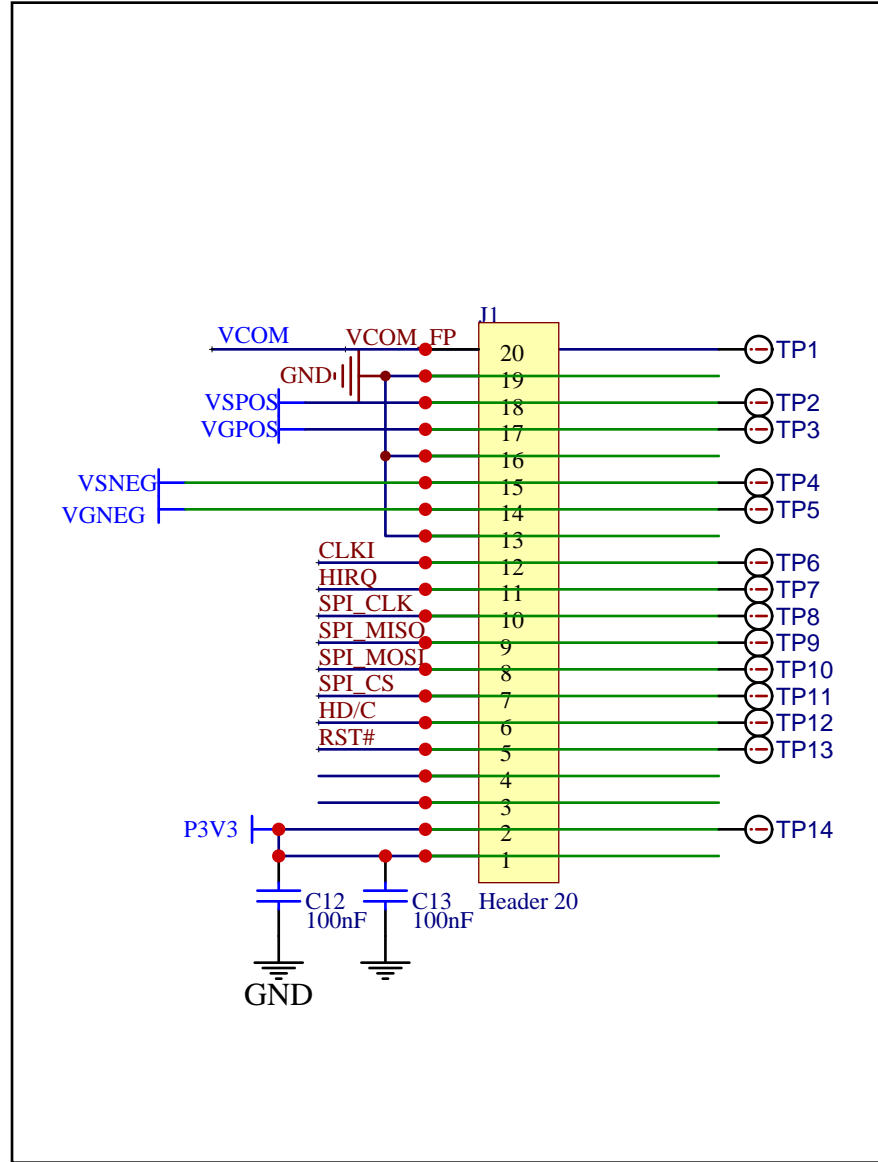
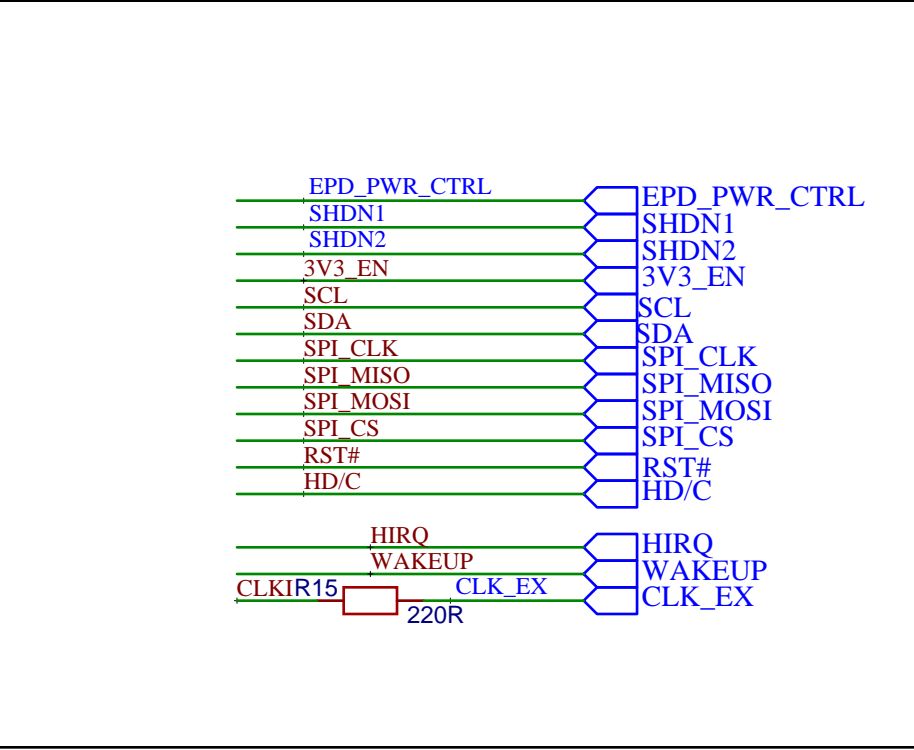
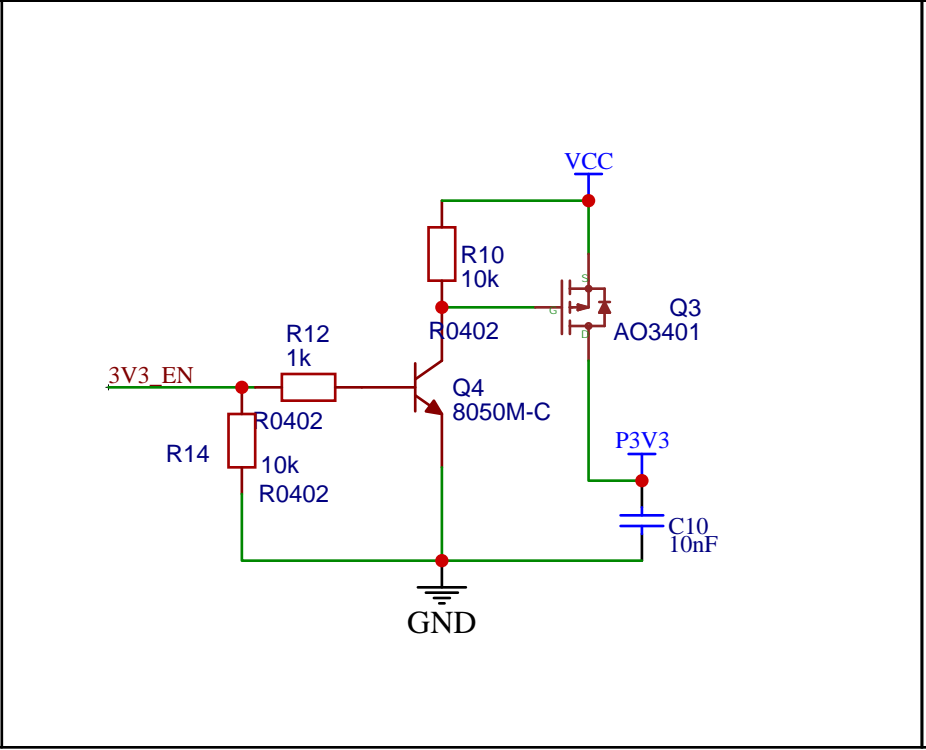


Note.



电压必须调整后再接入屏幕

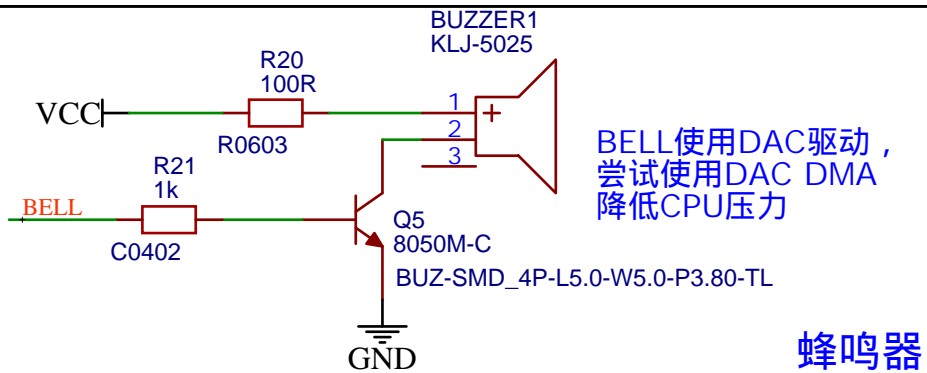


GPIO34-39 只能作为输入  
HIRO 未用到，此引脚介入KEY4 作为低功耗解锁按钮

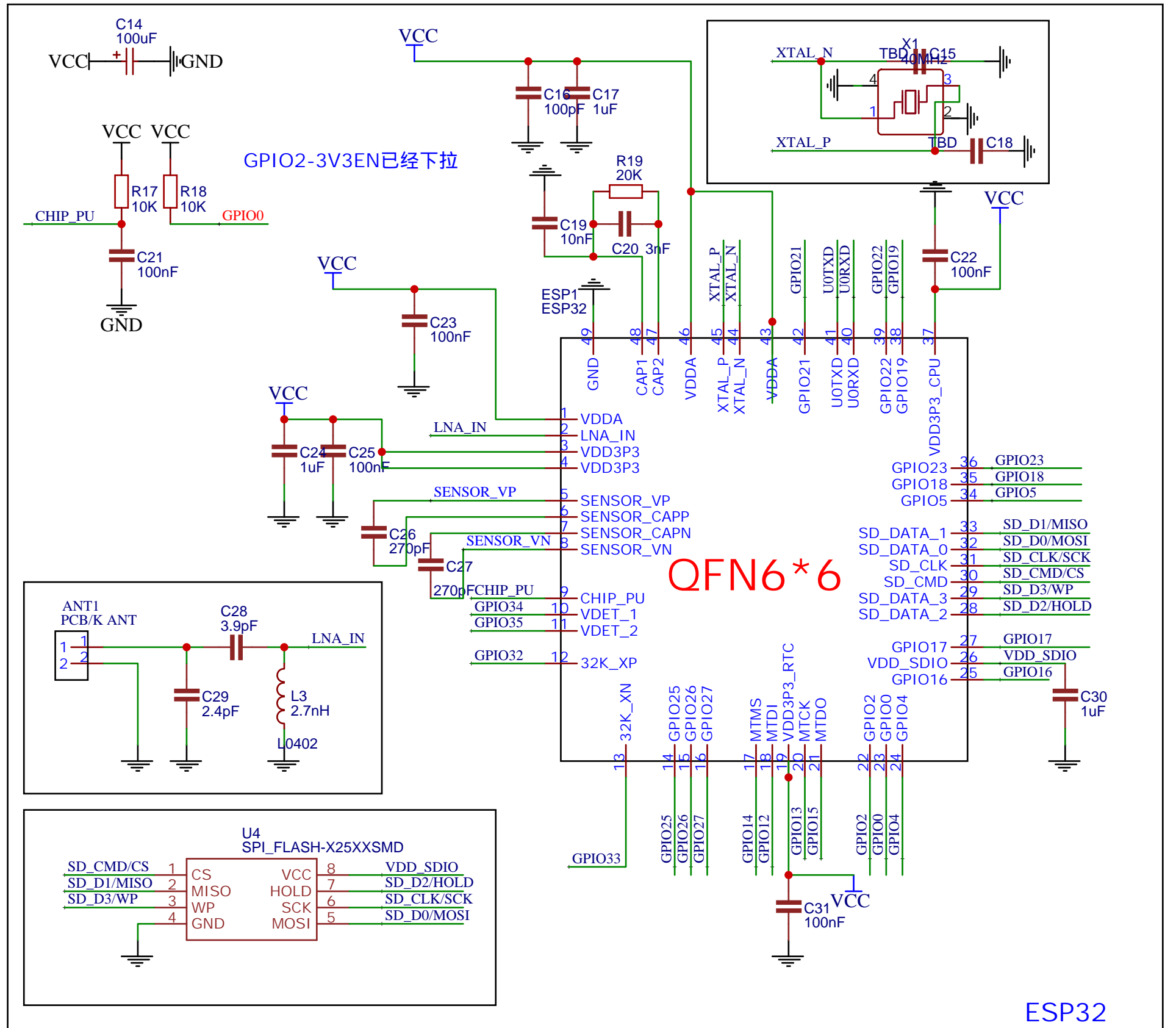
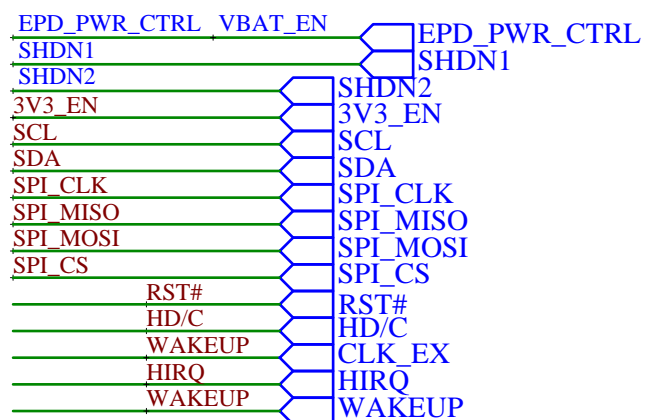
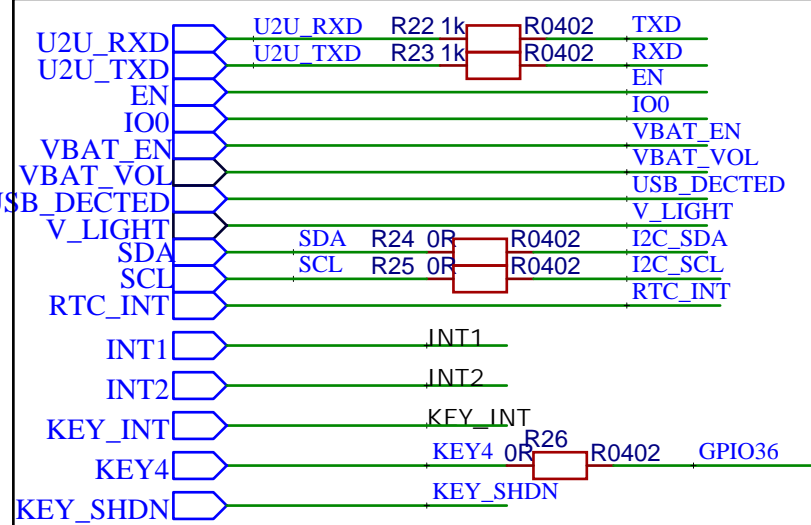
EN	CHIP_PU	OR/NC	R16	HIRO	GPIO23	USB_DECTED
GPIO36	SENSOR_VP				GPIO22	I2C_SCL
KEY_INT	SENSOR_VN				U0TXD	TXD
V_LIGHT	GPIO34				U0RXD	RXD
VBAT_VOL	GPIO35				GPIO21	I2C_SDA
SHDN1	SHDN2	GPIO32				
RTC_INT	GPIO33				GPIO19	WAKEUP
BELL	GPIO25	DAC1			GPIO18	3V3_EN
INT1	GPIO27				GPIO5	EPD_PWR_CTRL
INT2	GPIO26				GPIO4	RST#
SPL_CLK	GPIO14				GPIO0	IO0
SPL_MISO	GPIO12				GPIO2	HD/C
					GPIO15	SPL_CS
SPL_MOSI	GPIO13				GPIO16	KEY_SHDN
					GPIO17	

中断配置

尝试PWM产生32MHz时钟



蜂鸣器



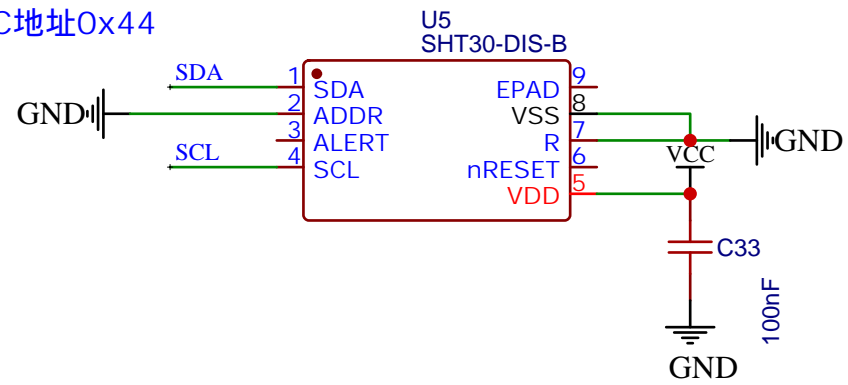
ESP32

TITLE:	02 EPD Arduino_ESP32	REV:	1.0
Company:	amobbs.com	Sheet:	2/4
Date:	2020-06-10	Drawn By:	qtechzdh



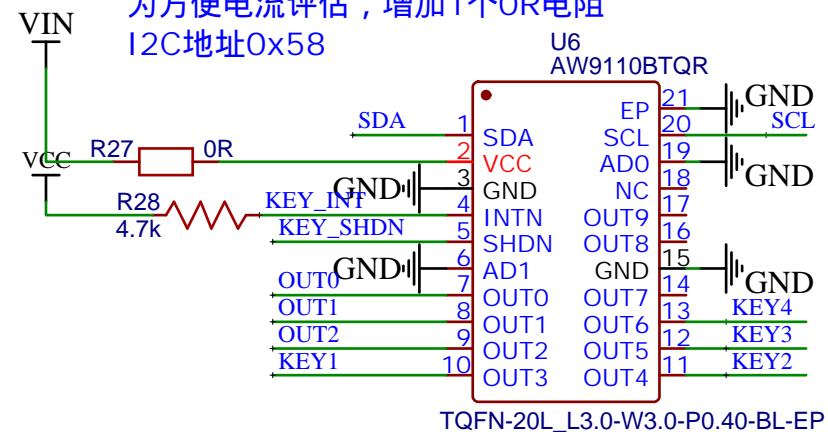
需要分析各个设备的功耗情况，是否可以软件进入休眠模式

I2C地址0x44

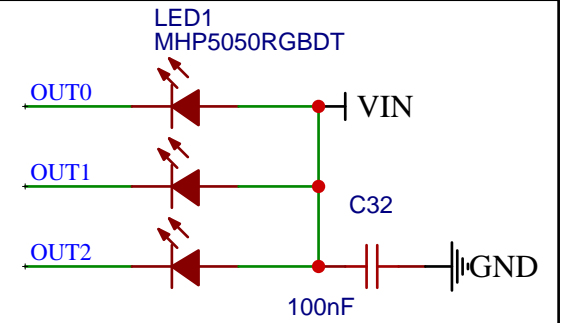


温湿度

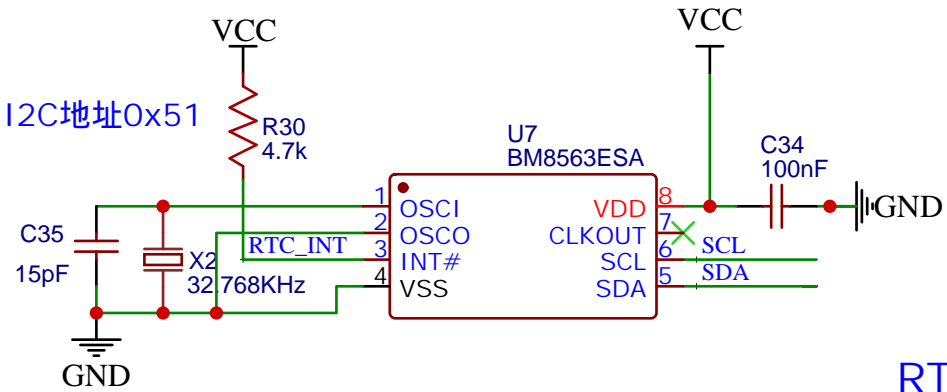
为方便电流评估，增加1个OR电阻  
I2C地址0x58



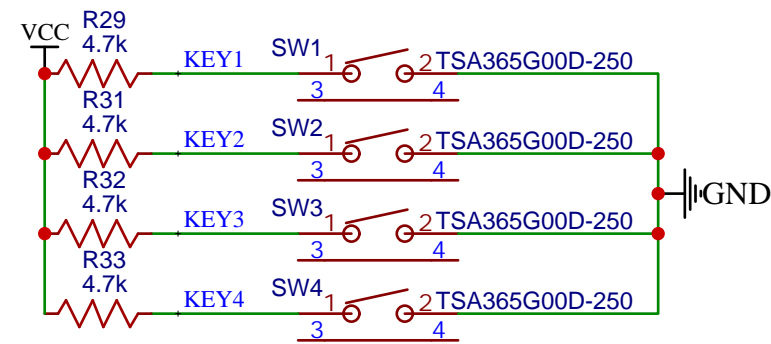
呼吸灯及扩展IO



I2C地址0x51

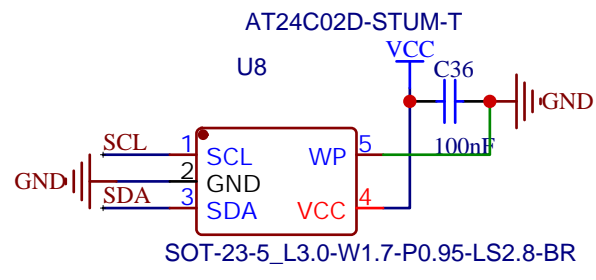


RTC时钟

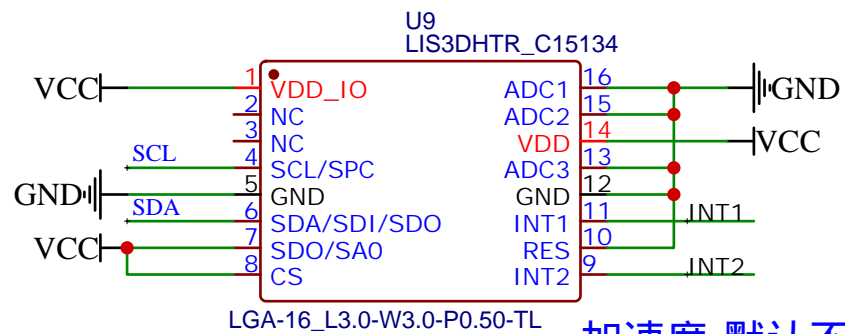
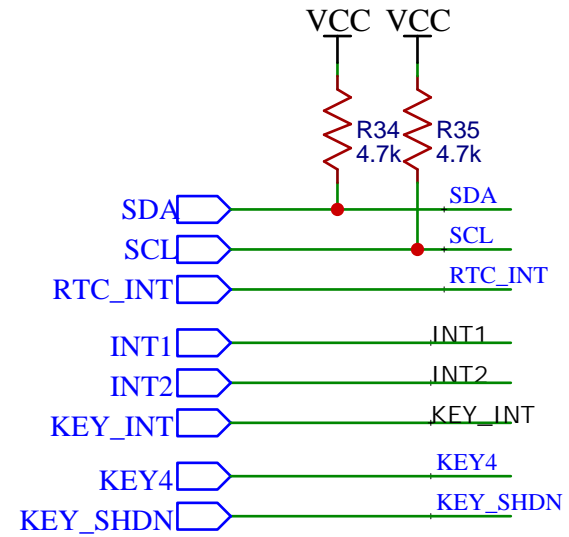


按键

I2C地址0x50

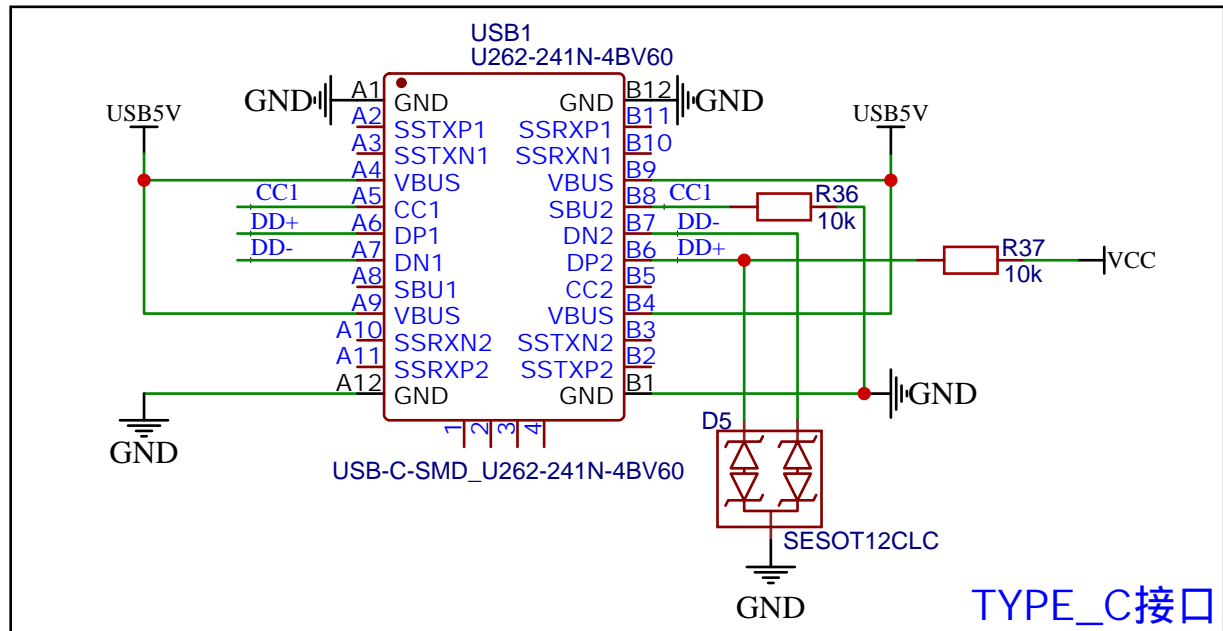


EEPROM

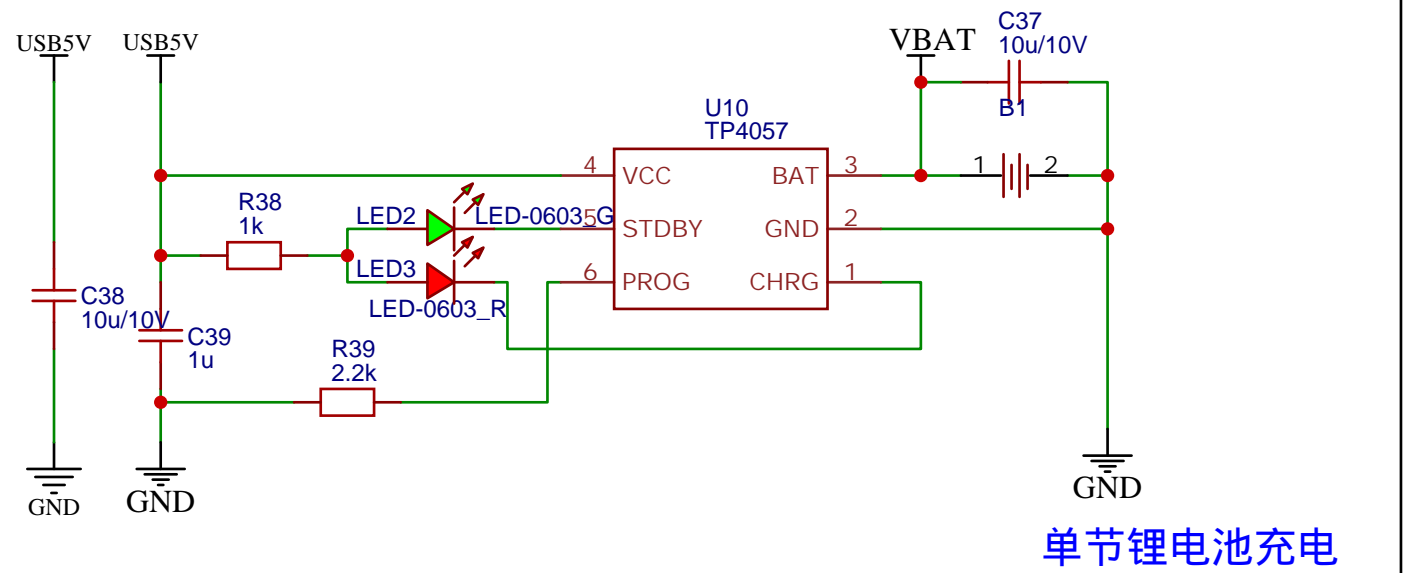


加速度 默认不焊接

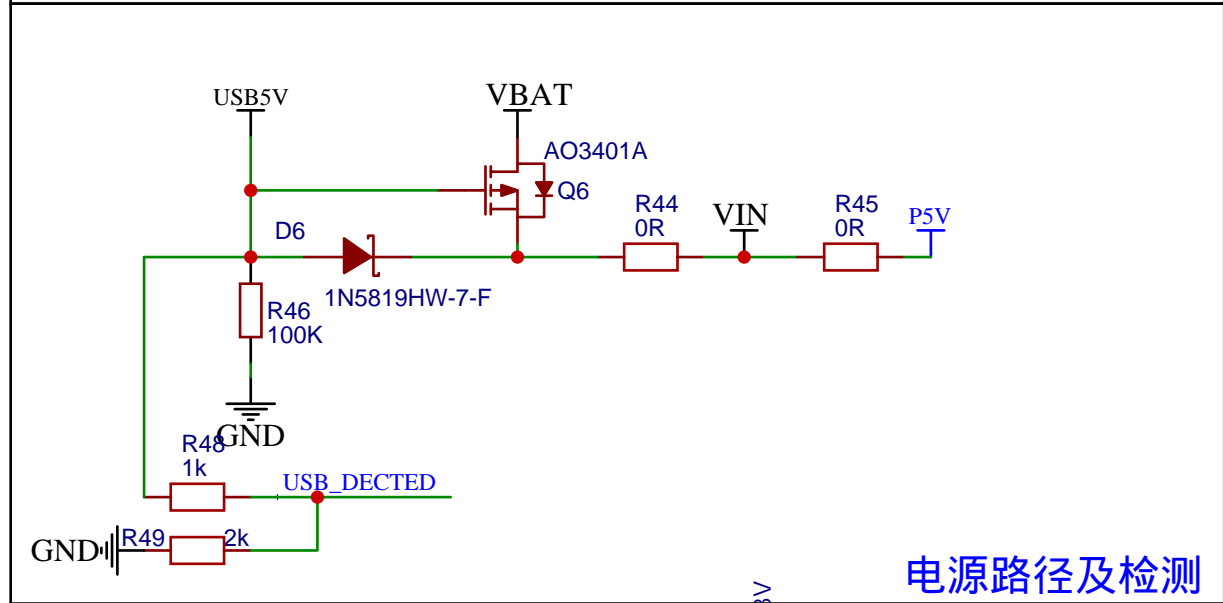
TITLE:	03 EPD Device	REV: 1.0
	Company: amobbs.com	Sheet: 3/4
	Date: 2020-06-10	Drawn By: qtechzdh



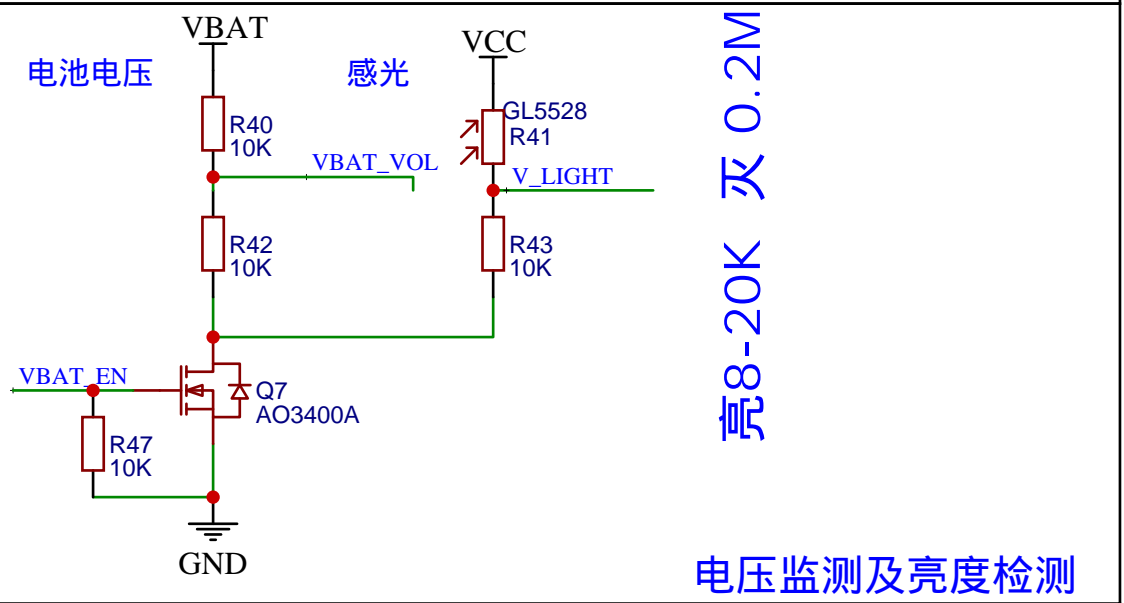
TYPE\_C接口



单节锂电池充电

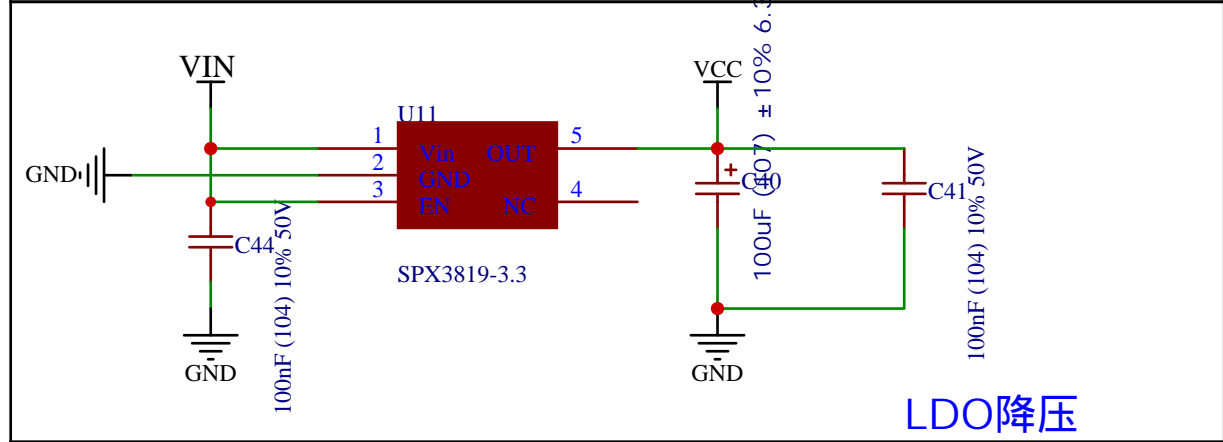


电源路径及检测

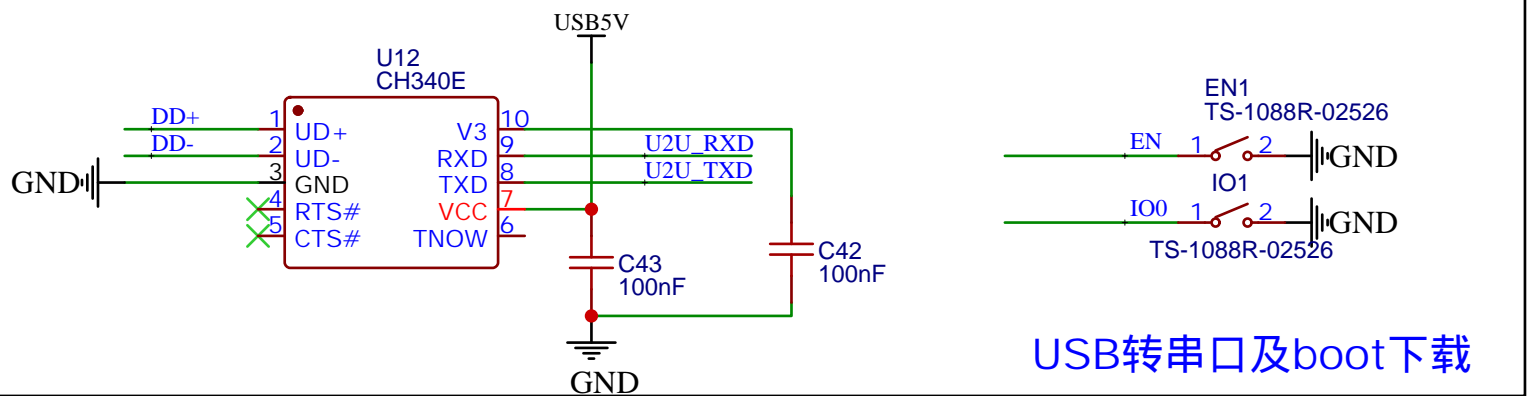


电压监测及亮度检测

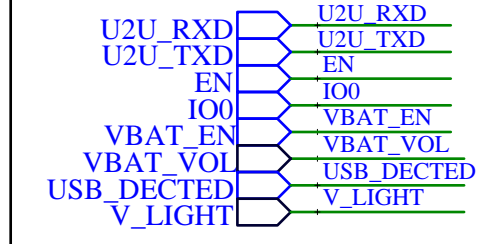
亮8-20K 灭0.2M



LDO降压



USB转串口及boot下载



需确认ESP32瞬时供电情况，特别是WIFI启动的电流

TITLE:	04 EPD System Power	REV: 1.0
Company:	amobbs.com	Sheet: 4/4
Date:	2020-07-10	Drawn By: qtechzdh