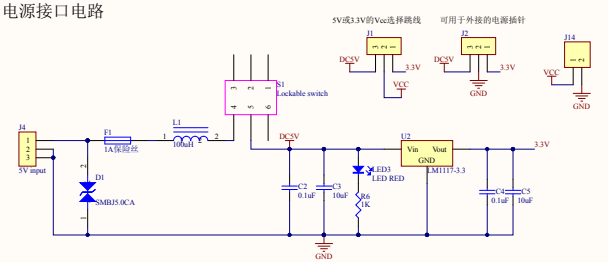
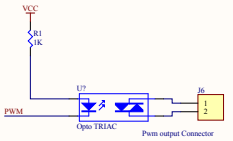
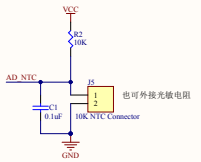
电源接口电路



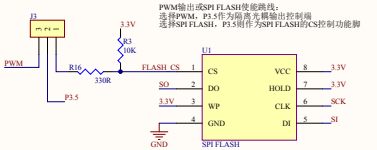
光耦晶闸管隔离输出电路
（可外接60V500mA负载）



NTC&光敏电阻电路

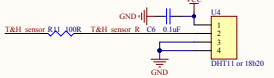


SPI FLASH 电路（W25Q16）



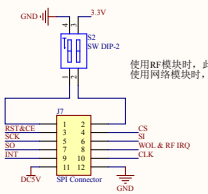
指示灯电路

温湿度传感器接口电路



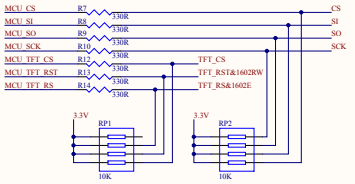
外接DHT11时，按规格书要求，第3脚应悬空，实际测试过程中直接接地，暂未发现异常

SPI网络接口/RF模块接口电路



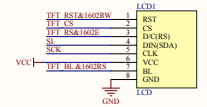
使用RF模块时，此开关（跳线）需连接；
使用网络模块时，必须断开

SPI数据线电平转换电路

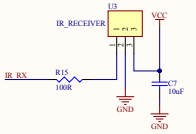


用于5V单片机与3.3V器件间电平转换，单片机相关引脚需设置成开漏输出，采用3.3V上拉

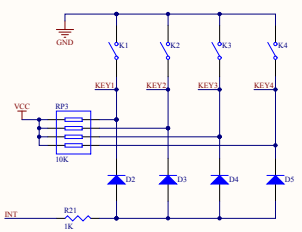
1.8寸TFT LCD 接口电路（硬件SPI）



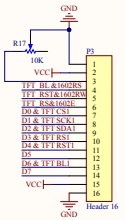
红外信号接收电路



按键电路

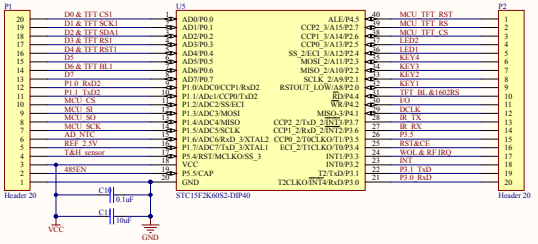


1602显示屏接口电路
（可作为模拟SPI驱动1.8寸TFT显示屏）

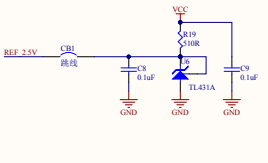


后面带"1"的NET表示用于模拟SPI方式驱动1.8寸TFT的引脚

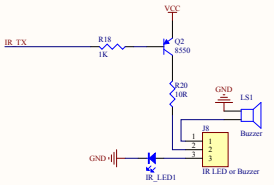
单片机及接口电路



2.5V基准电源电路

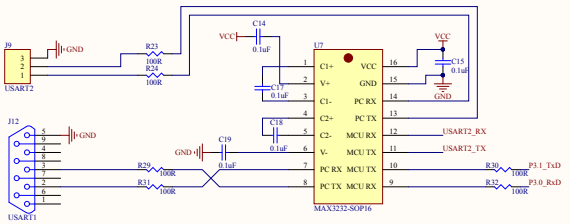


红外信号发射电路（蜂鸣器共用）

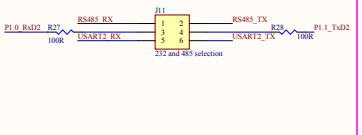


通过跳线J8可选择是红外二极管工作，或蜂鸣器工作

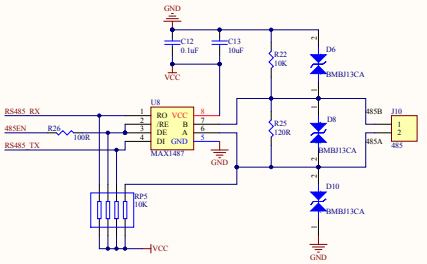
串口通讯电路



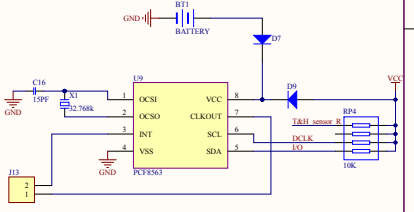
232与485选择（单片机UART2）



485通讯电路



时钟电路



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Date: 8/30/2014	Time: 16:59:26	Sheet 1 of 1	
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