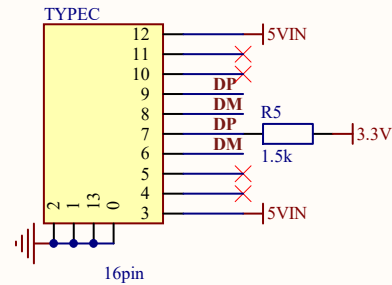
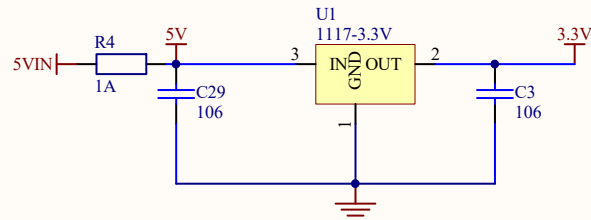


## USB供电5V IN模块

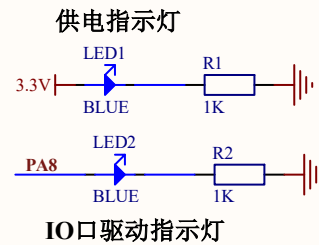


## 5V转3.3V降压模块电路

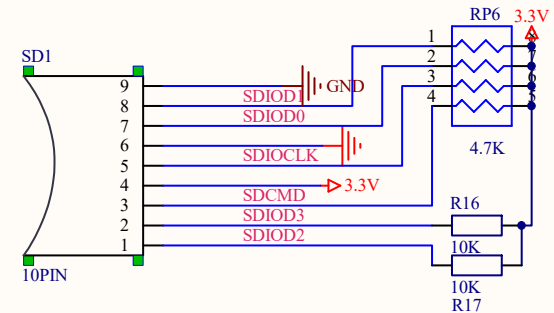


备注：此电路给单片机外围IO口供电  
输入自恢保险丝，防止主板短路烧毁

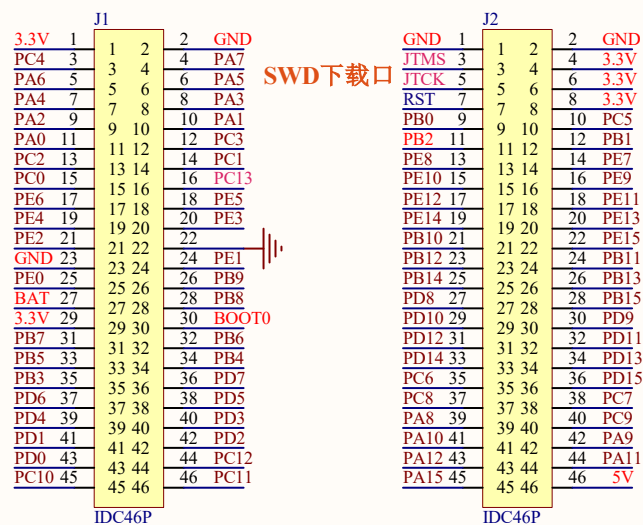
## LED指示模块



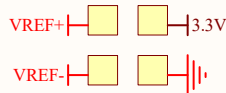
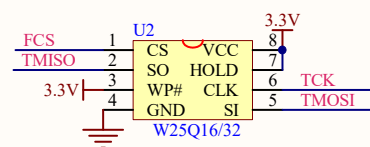
## TF卡模块



## 排针全部引出IO接口

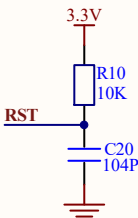


## 外置flash

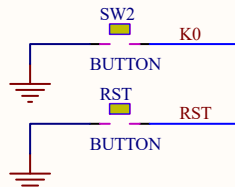


ADC供电口引出

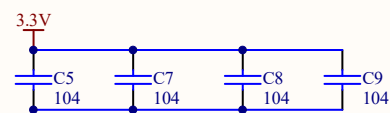
## 复位电路



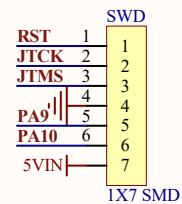
## 用户按键接口



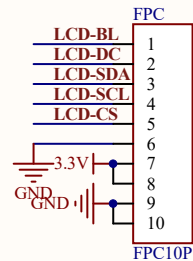
滤波电容



## 仿真/串口下载口



## 液晶0.96/1.54/1.69/2.0接口

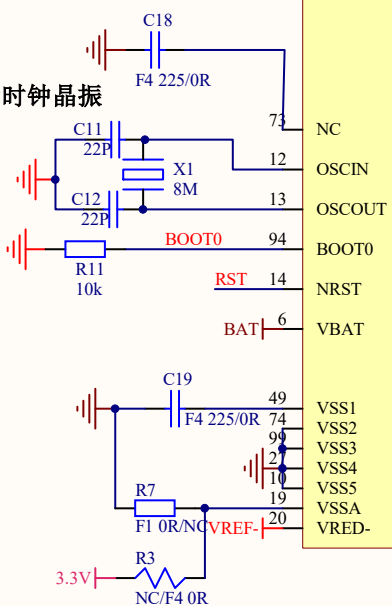


备注： 主板正面的排针默认全部不焊接，需用户选择性焊接即可

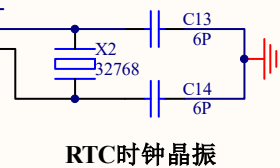
极客STM32F407VET6开发板原理图

淘宝店：<https://shop252966792.taobao.com/>

主芯片时钟晶振



RTC时钟晶振



## 2.8寸液晶接口

