

野火_瑞萨启明6M5开发板原理图_V0.1

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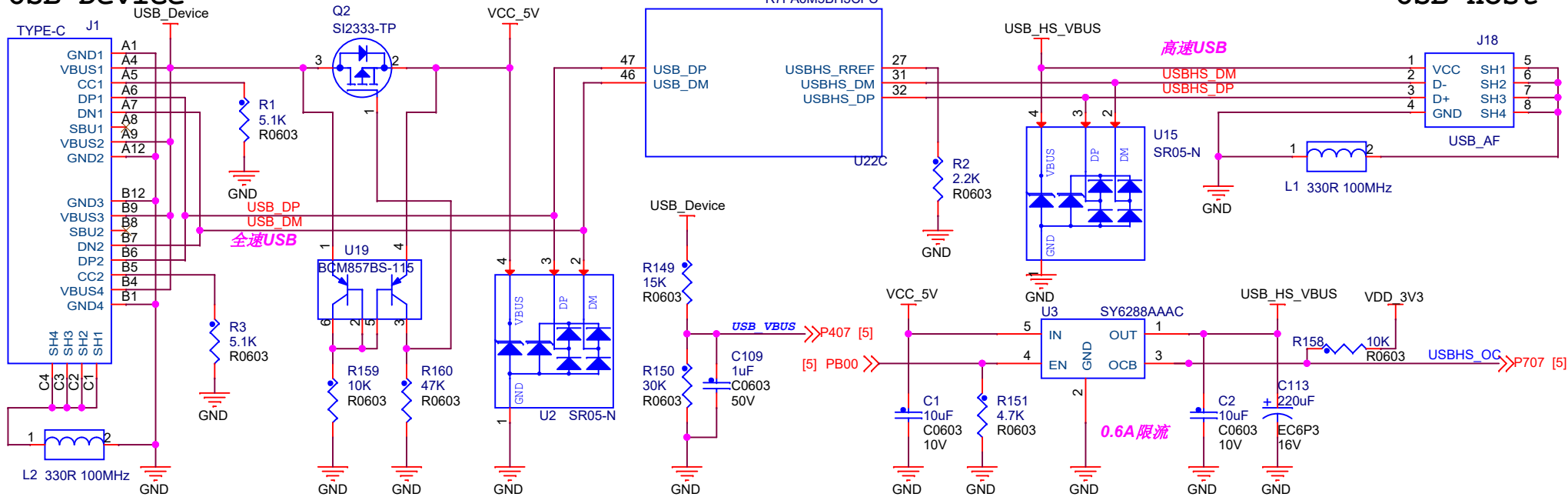
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历史版本

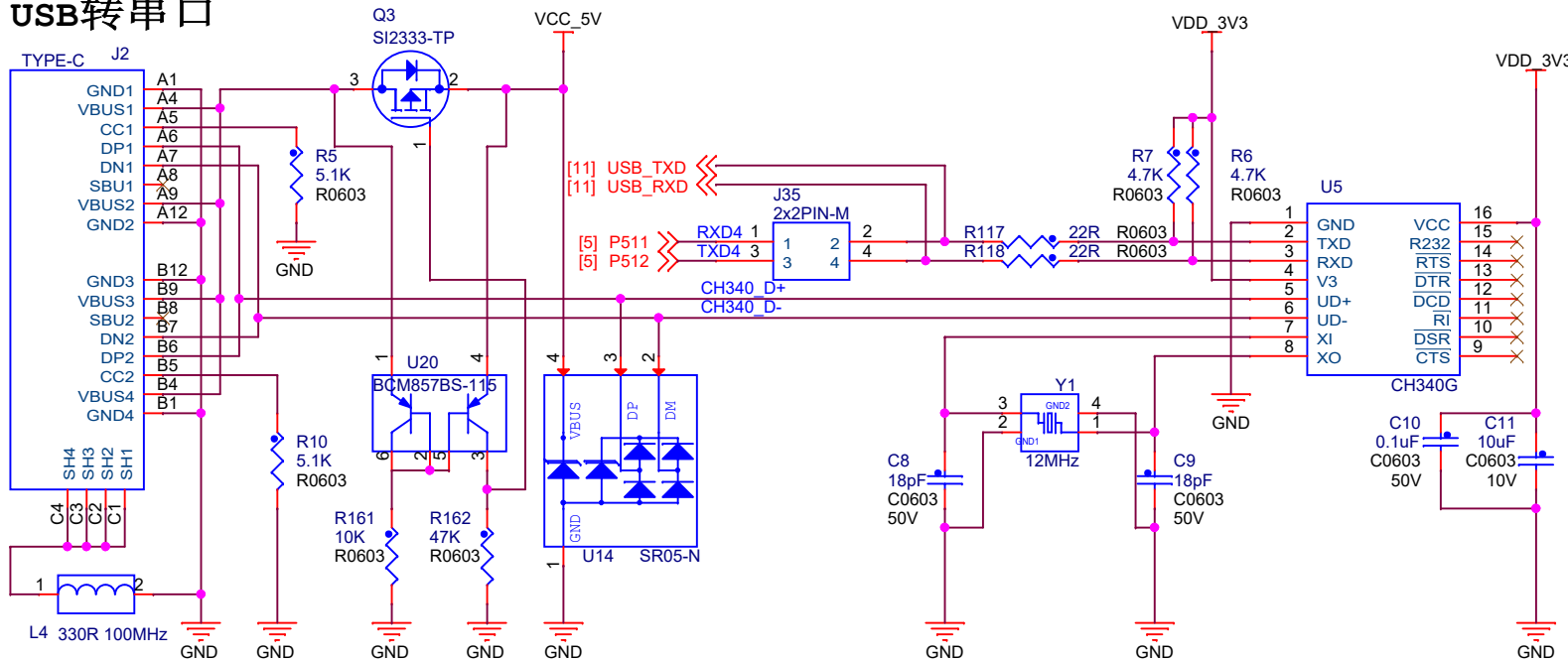
版本号	日期	设计	描述
V0.1	2022-0920	ZWC	初始版本

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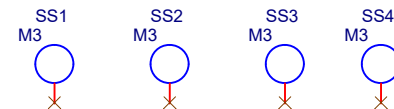
USB Device



USB转串口



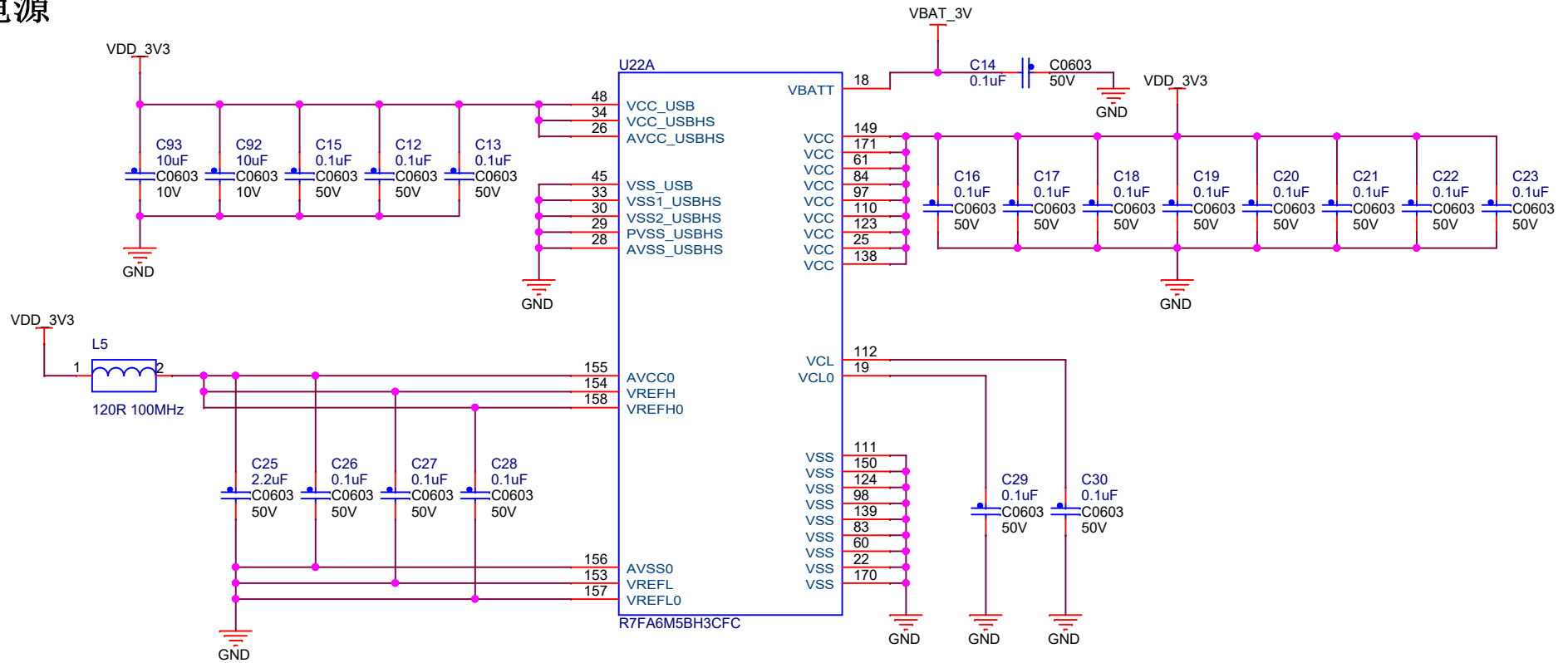
定位孔



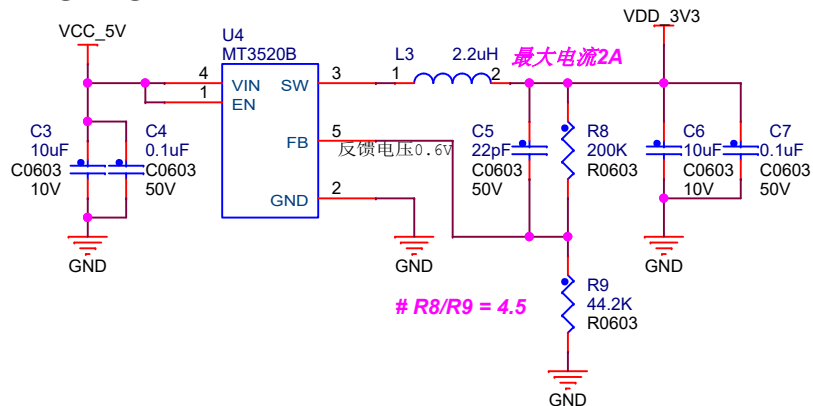
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MCU电源



DC-DC



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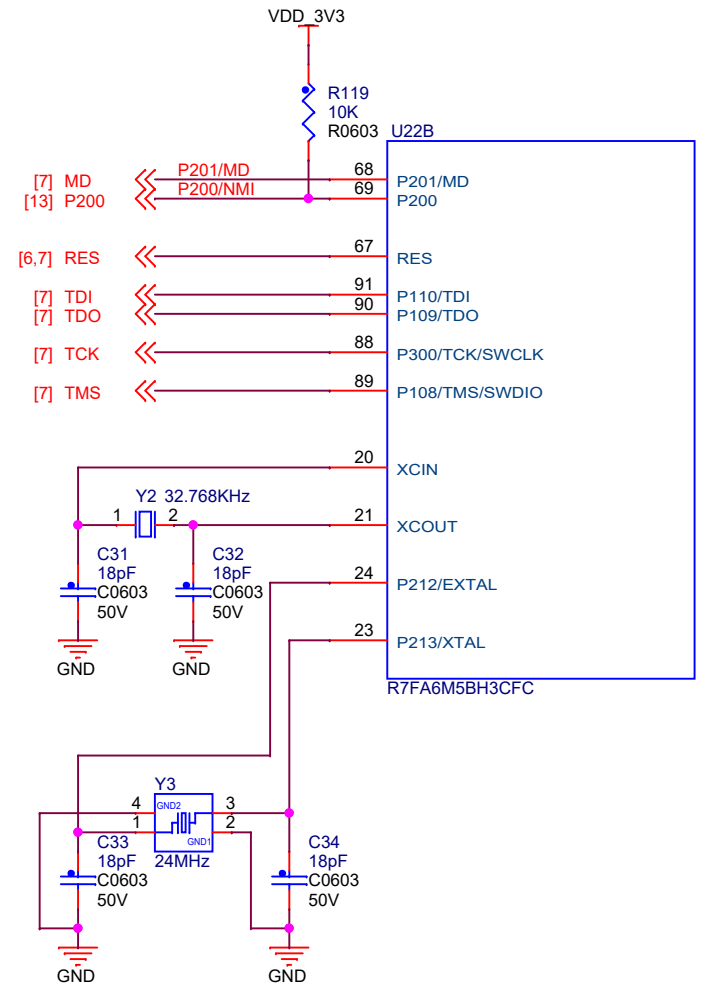
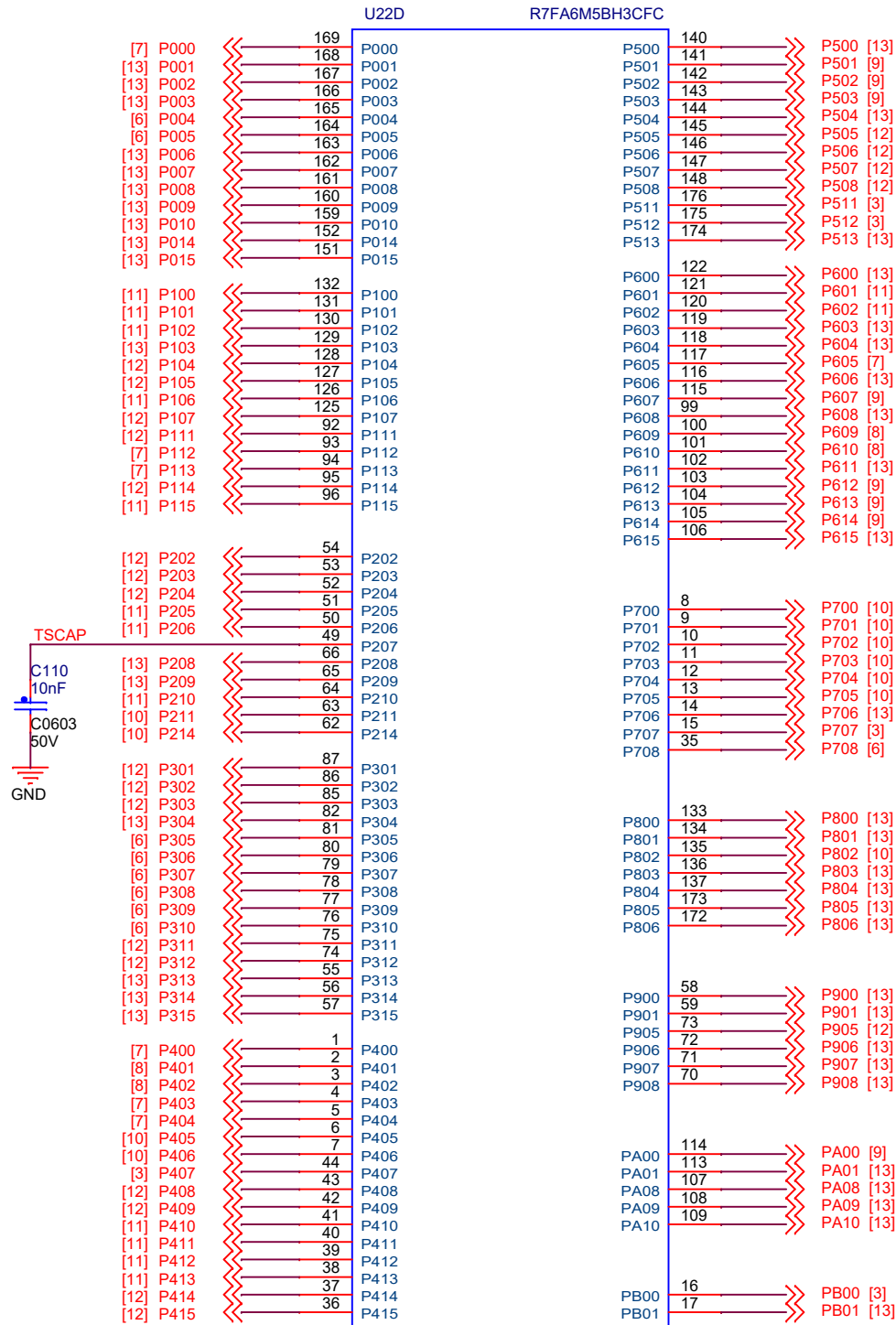
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GPIO

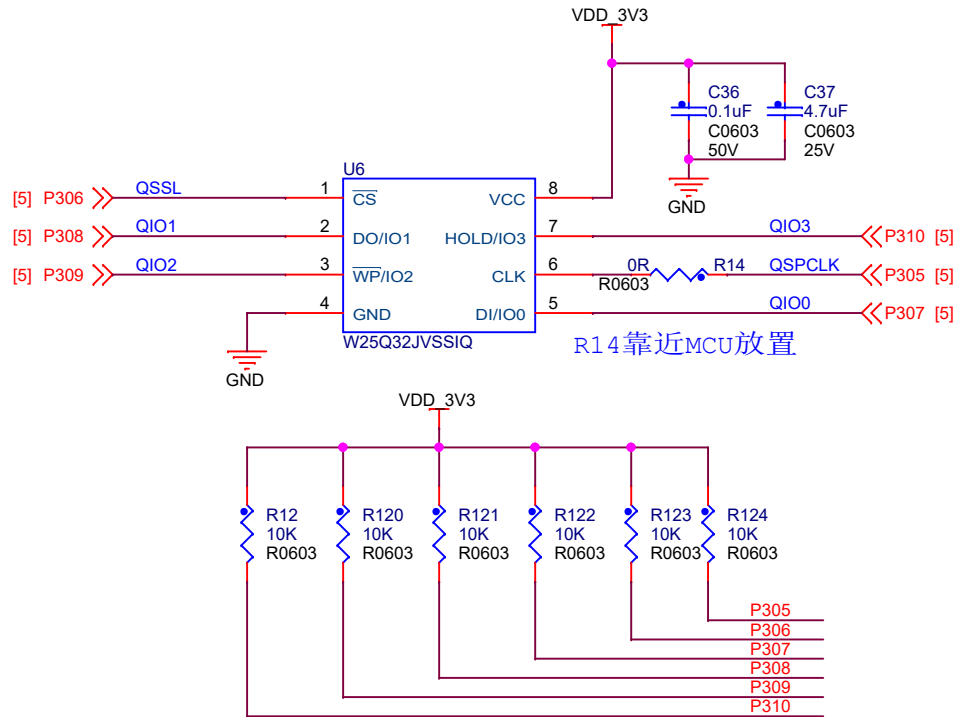
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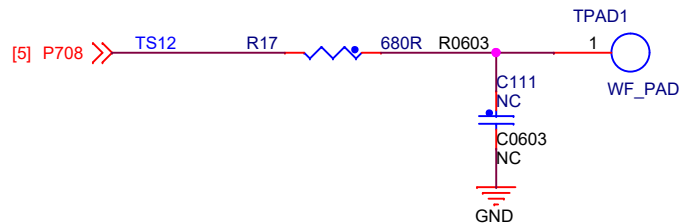
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QSPI Flash

4MB

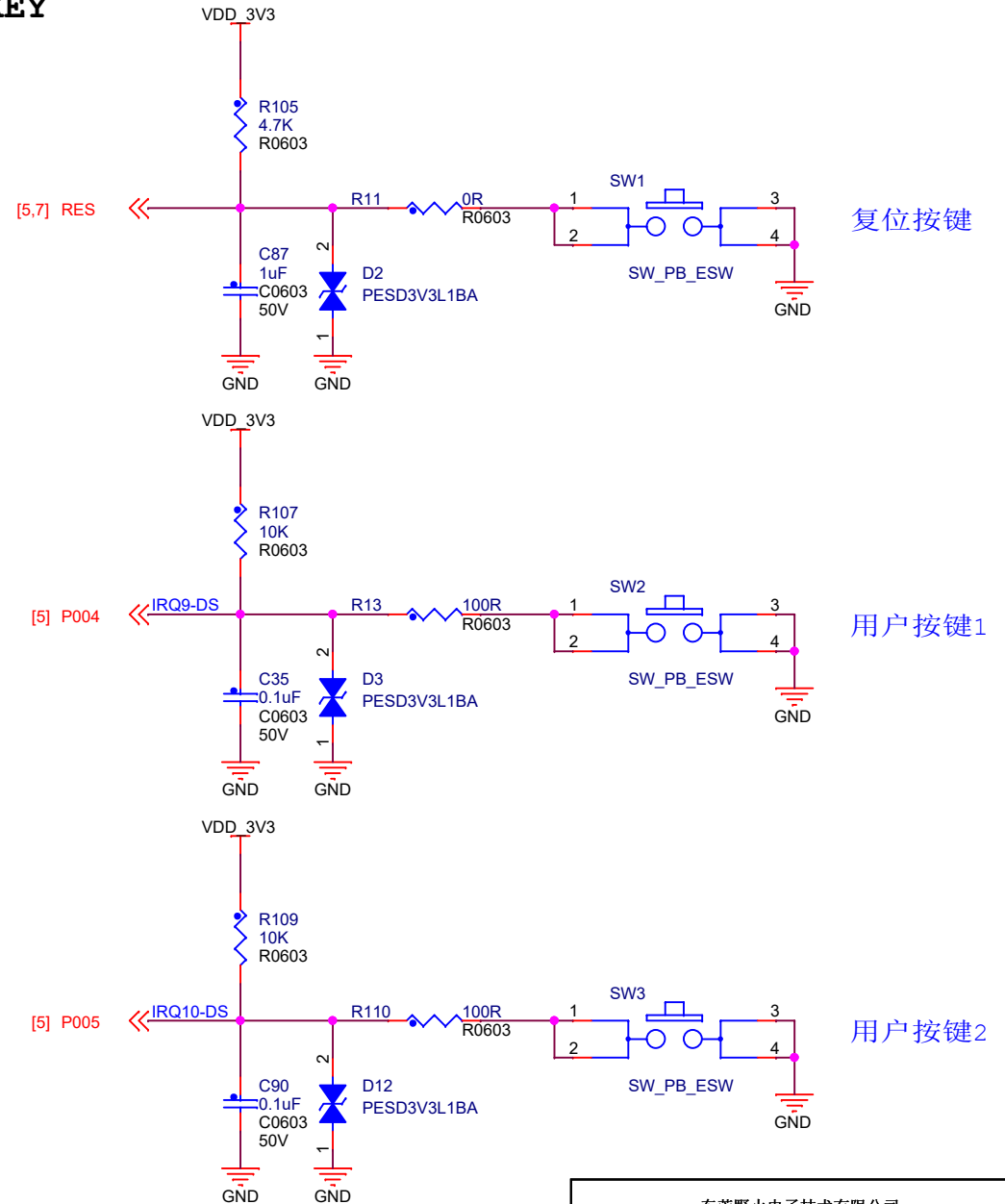


电容按键



电极尺寸: 10mm~15mm (方形/圆形)
 电极间间距: 至少为尺寸的0.8倍
 导线长度: 尽量缩短导线。在拐角处形成 45 度角
 电极下方可以挖空或者放置网状覆铜, 网状覆铜抗干扰更强
 线宽: 约 0.15 mm 至 0.20 mm

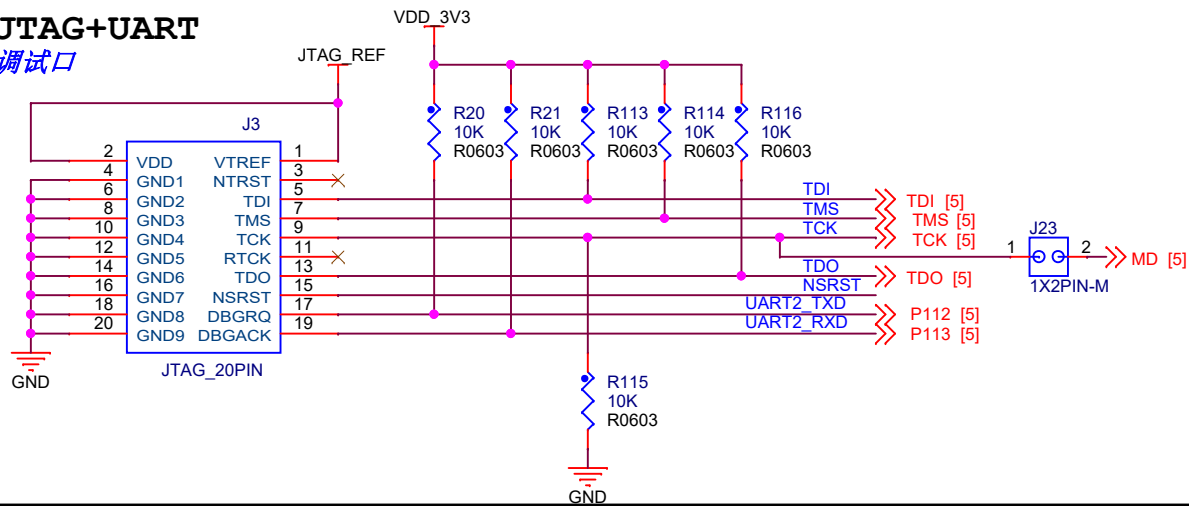
KEY



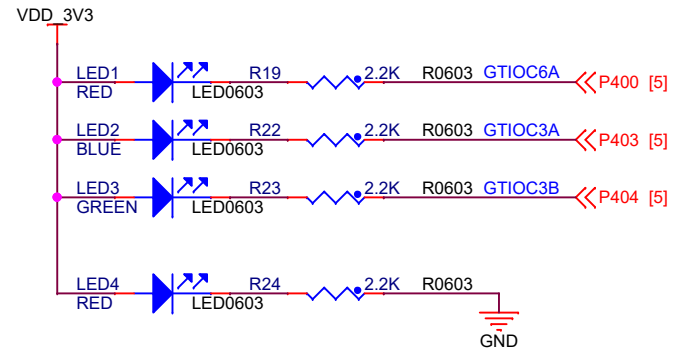
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JTAG+UART

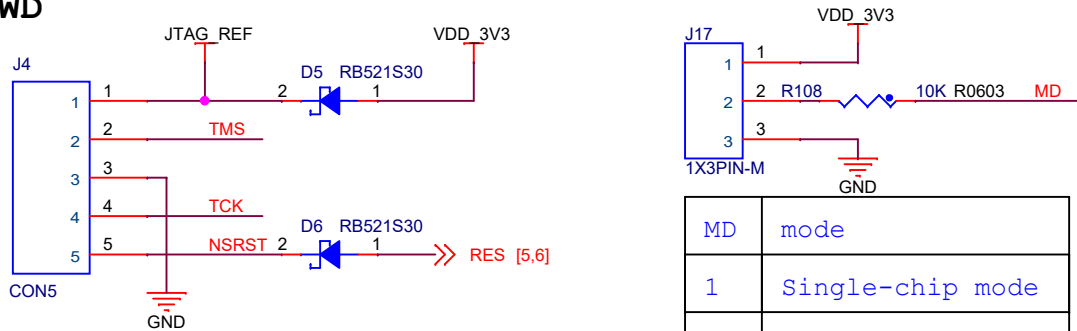
调试口



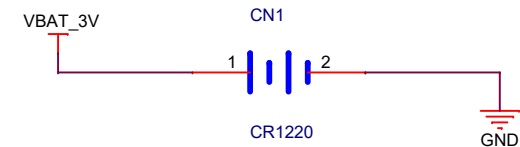
LED



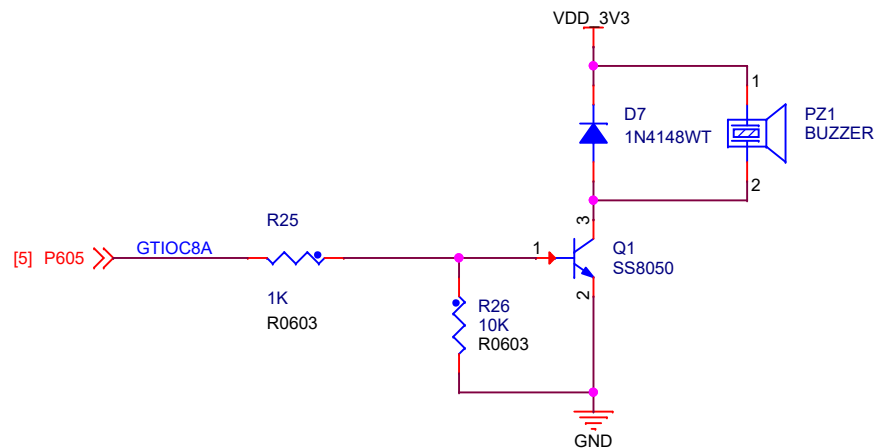
SWD



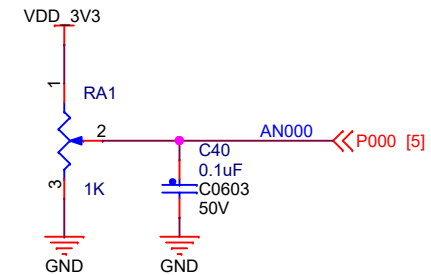
RTC电池



有源蜂鸣器



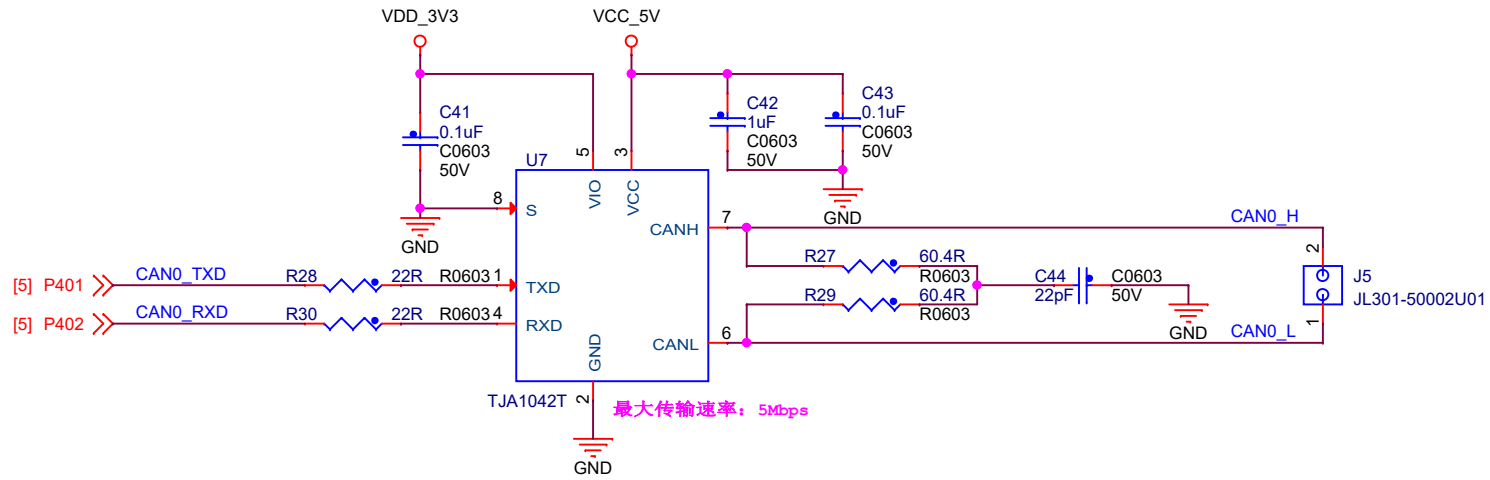
电位器



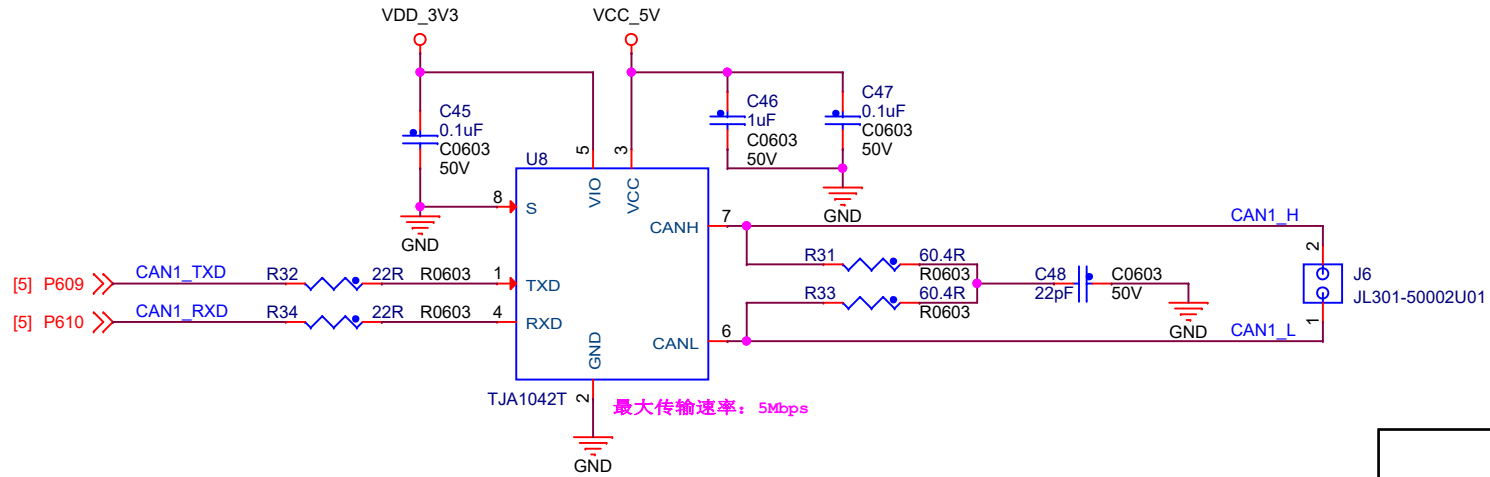
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CAN FD0



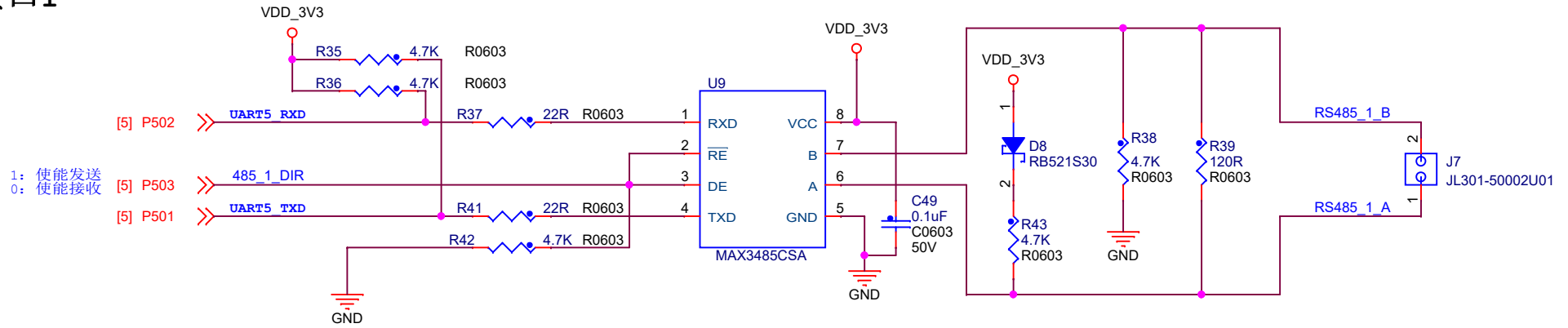
CAN FD1



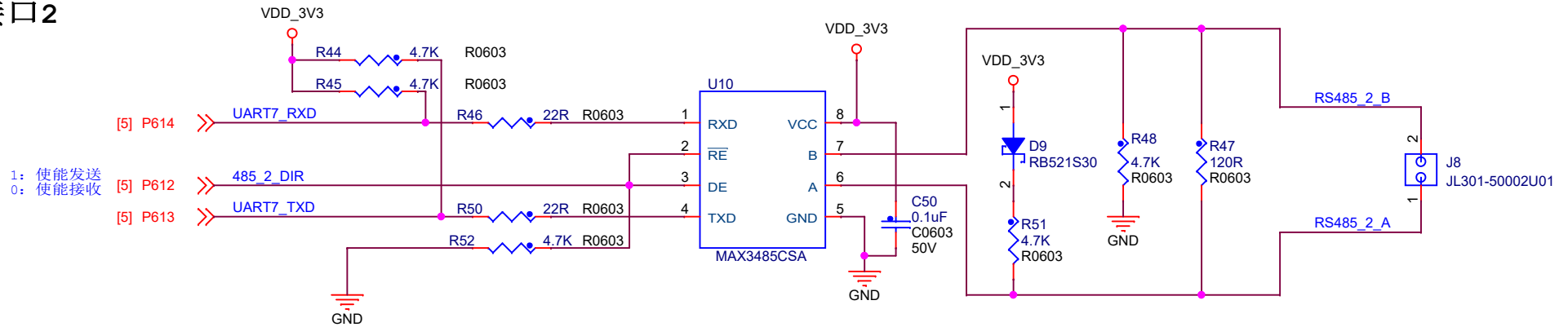
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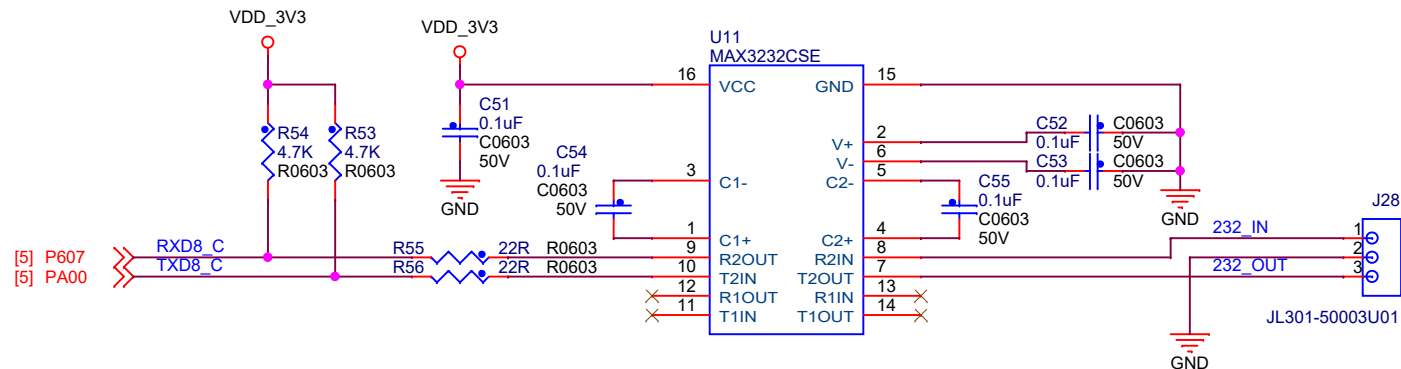
485接口1



485接口2



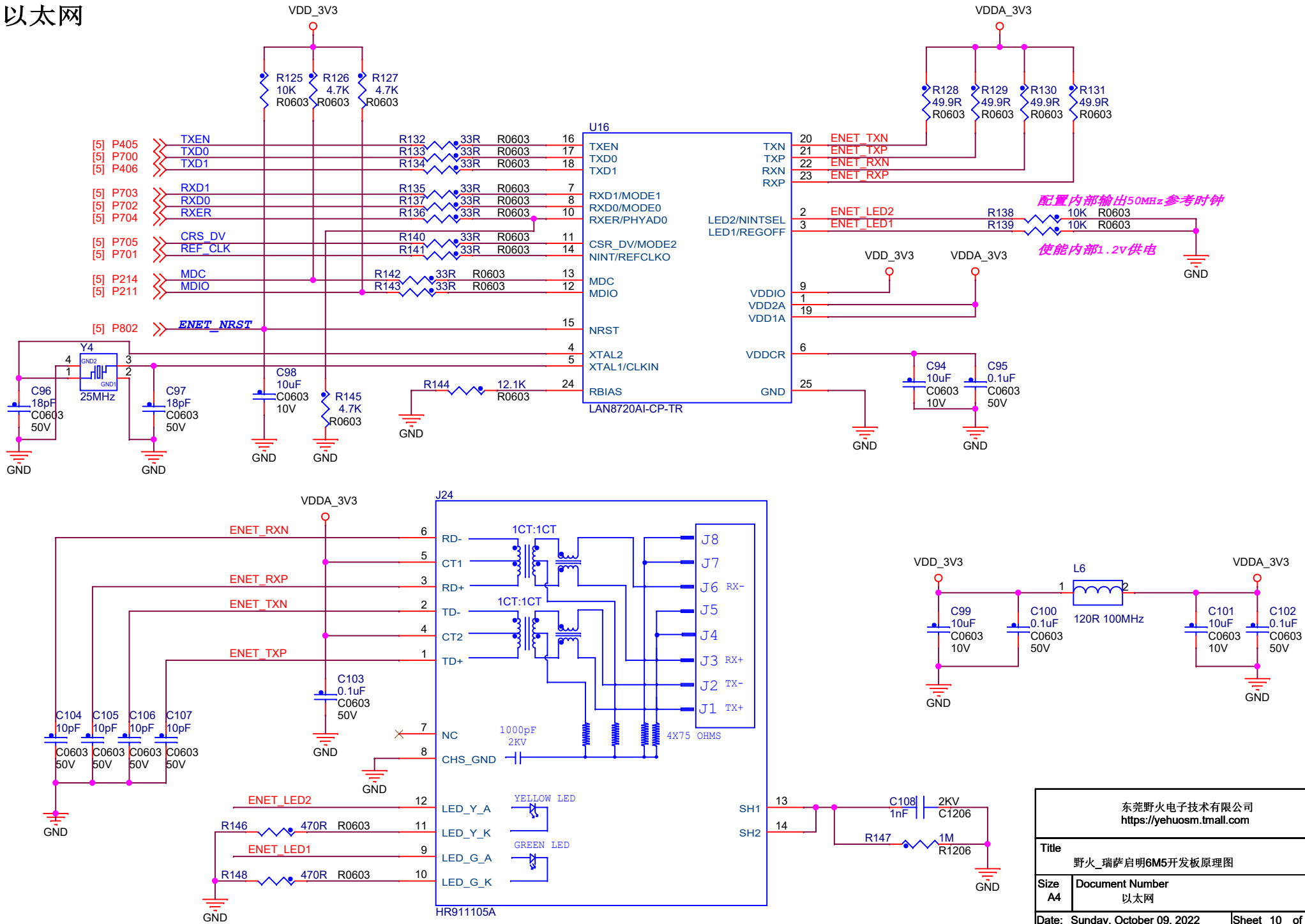
232接口



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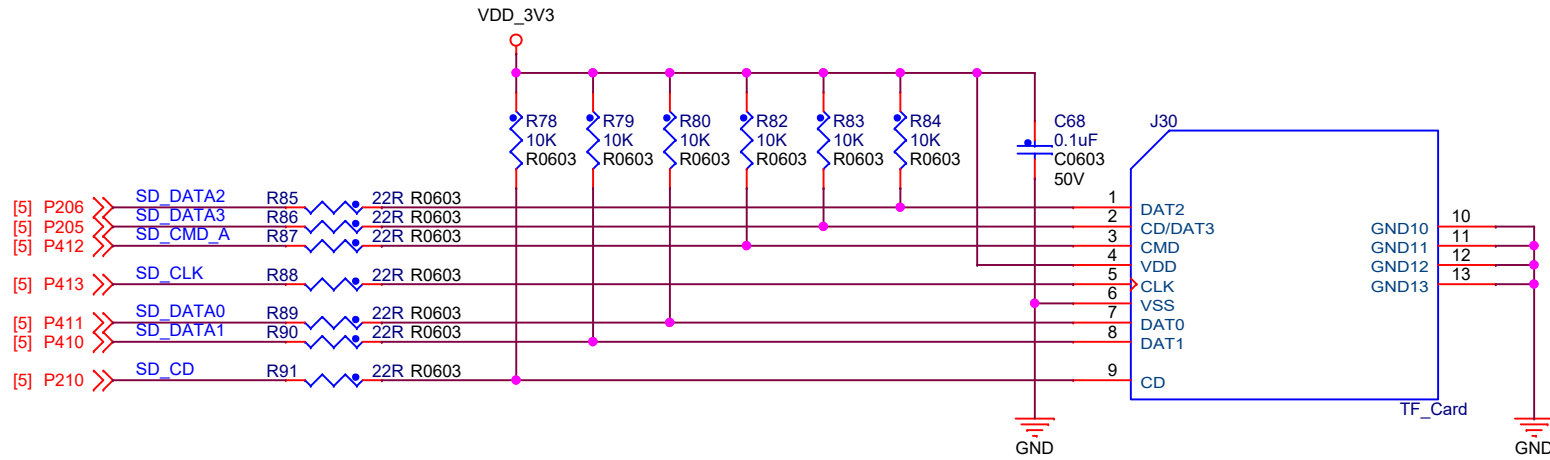
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以太网

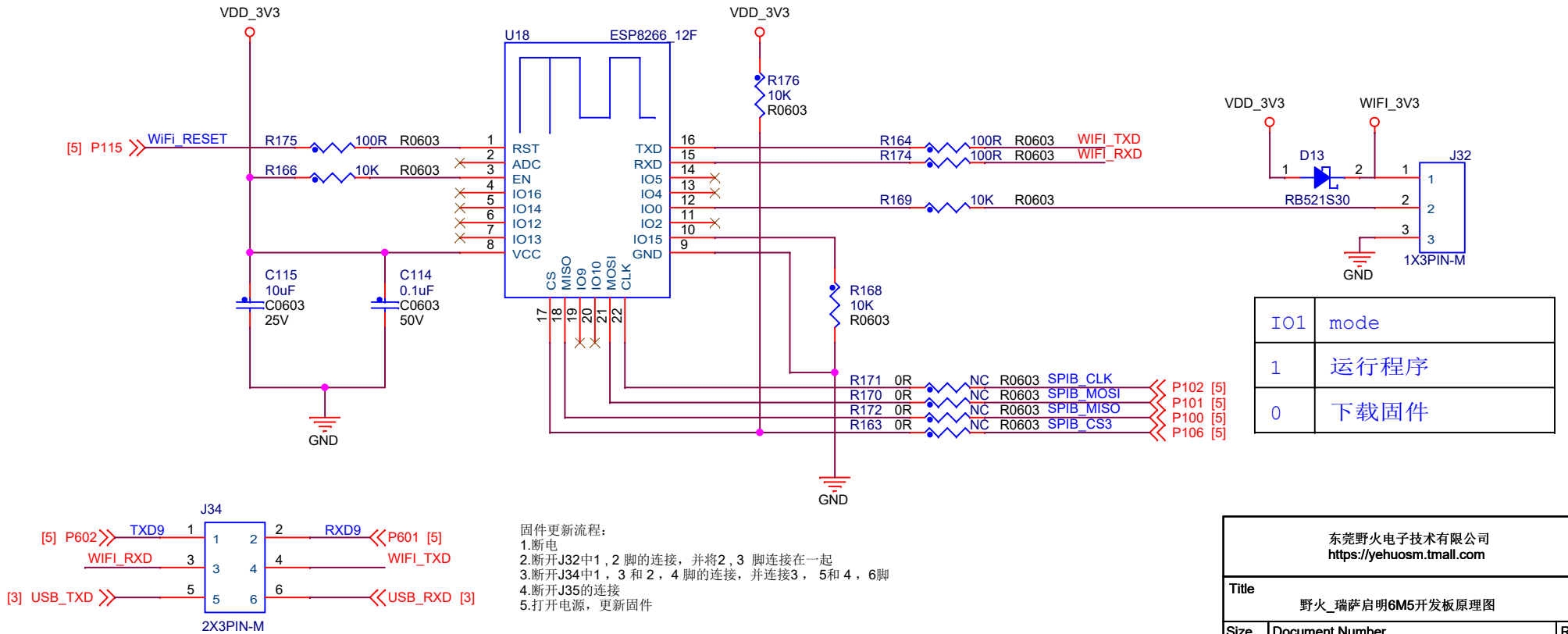


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SD卡



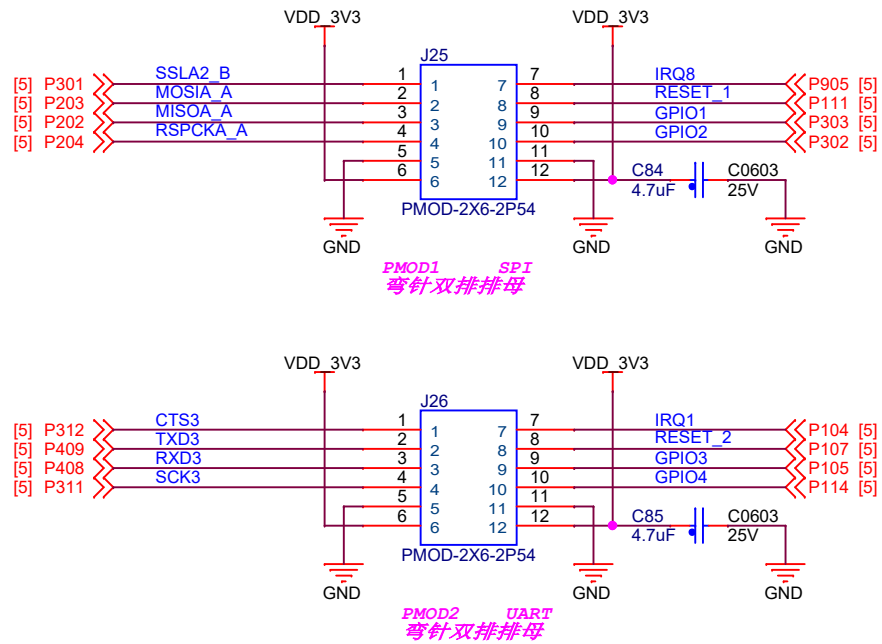
WiFi



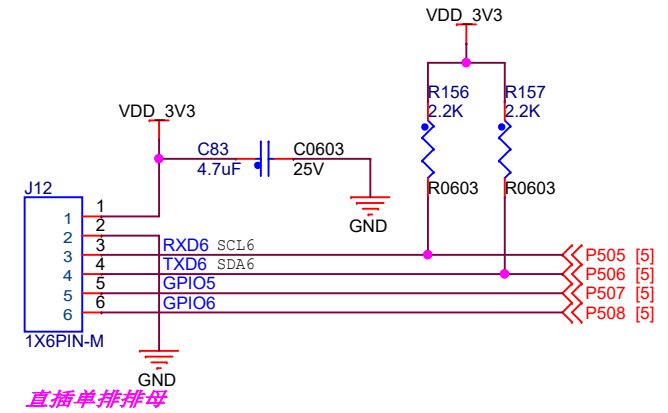
- 固件更新流程:
1. 断电
 2. 断开J32中1, 2脚的连接, 并将2, 3脚连接在一起
 3. 断开J34中1, 3和2, 4脚的连接, 并连接3, 5和4, 6脚
 4. 断开J35的连接
 5. 打开电源, 更新固件

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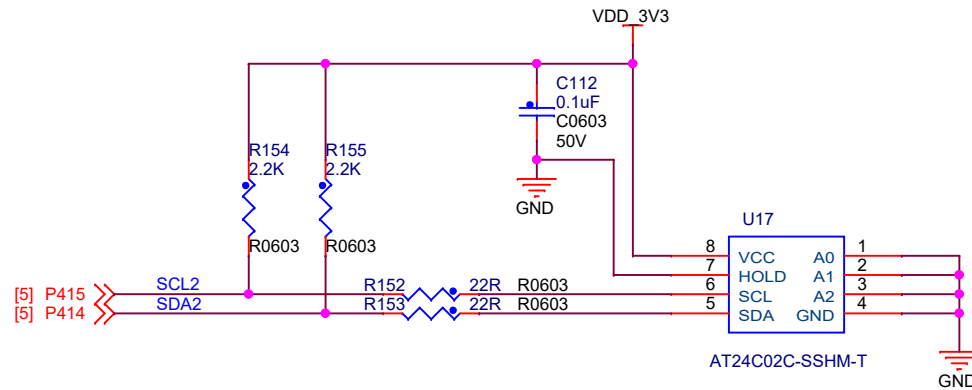
PMOD HOST



EBF module



EEPROM

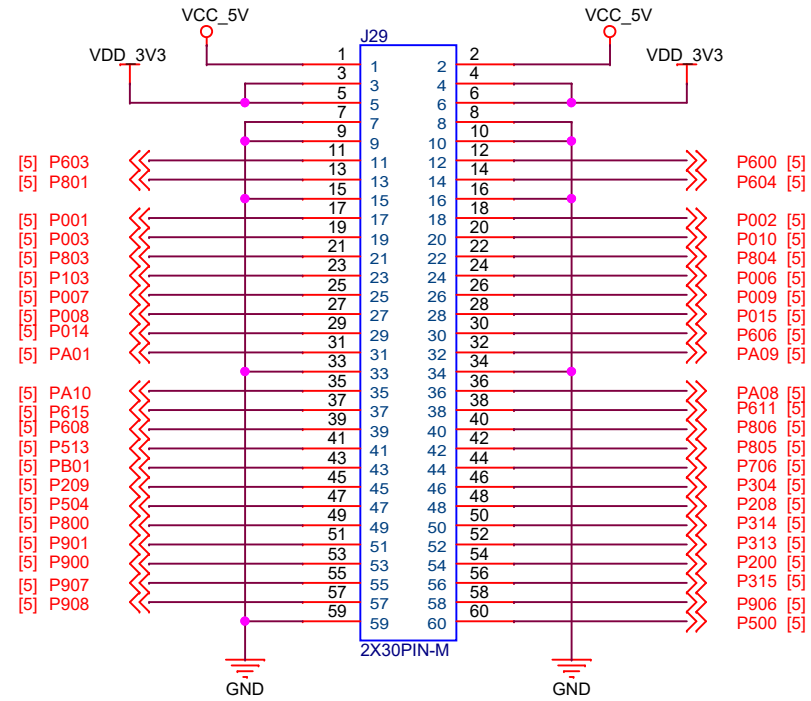


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IO引出

引出未使用过的IO口(数量47)



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