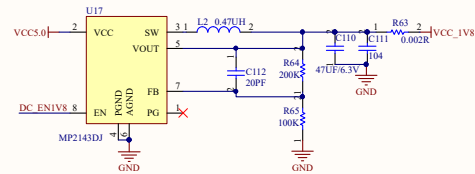
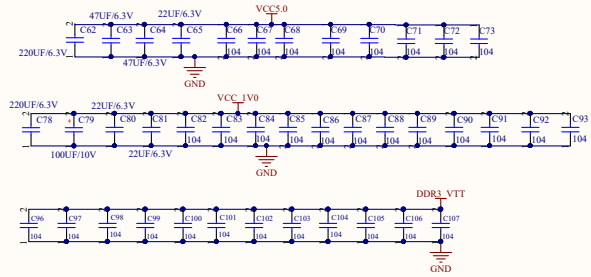
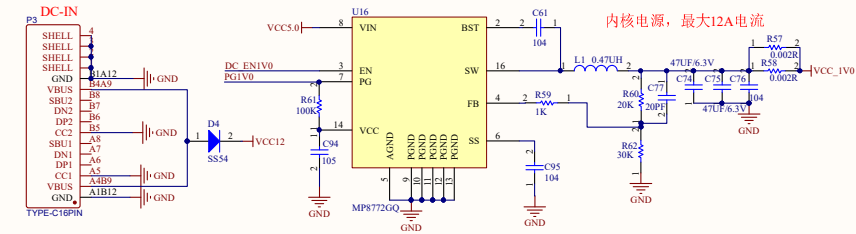
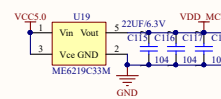


第一部分 系统电源

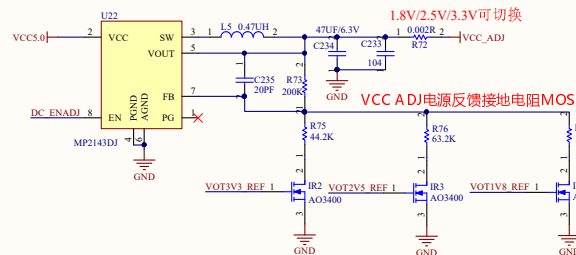
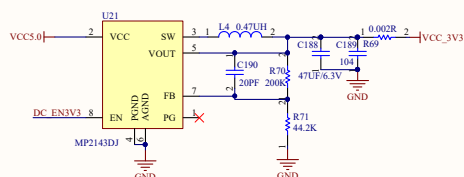
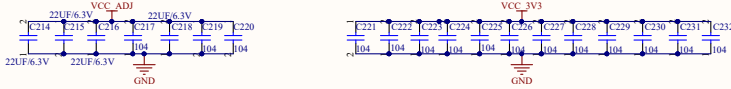
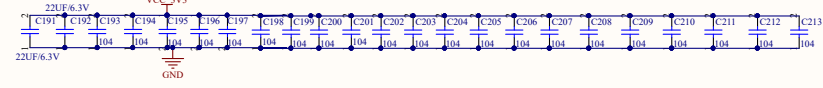
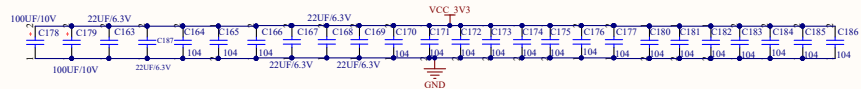
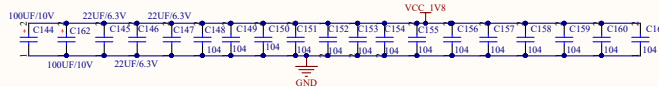
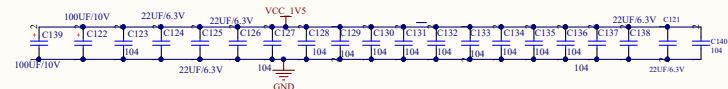
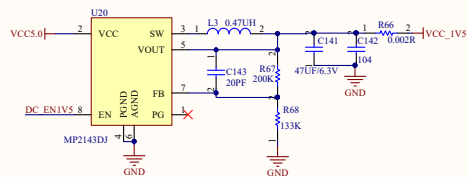
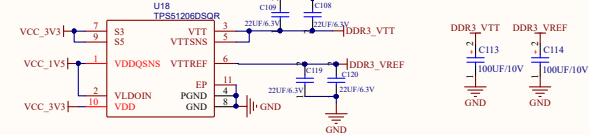
主供电口，这个接口请链接我们的电源



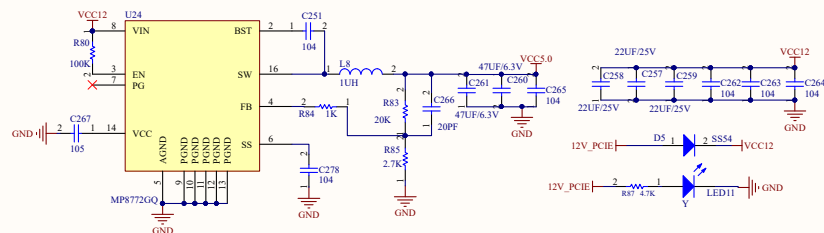
用于电源上电控制的MCU电源



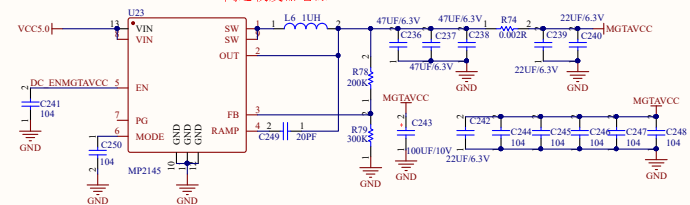
DDR3 电源



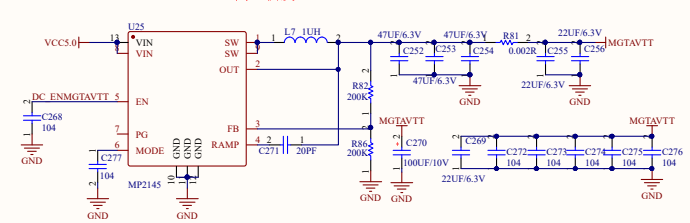
输入12V转5V电源 最大12A



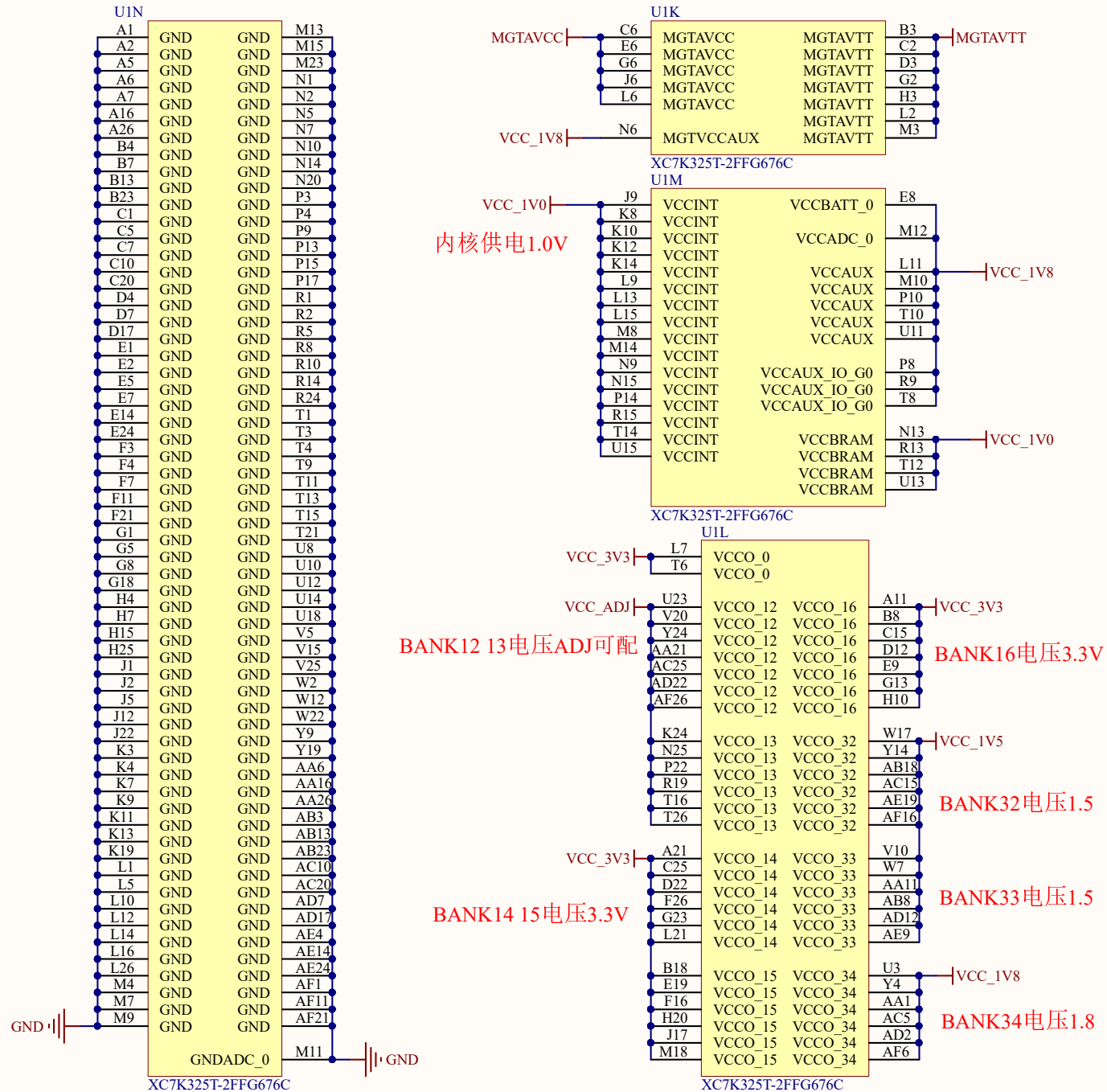
高速收发器电源



高速收发器电源



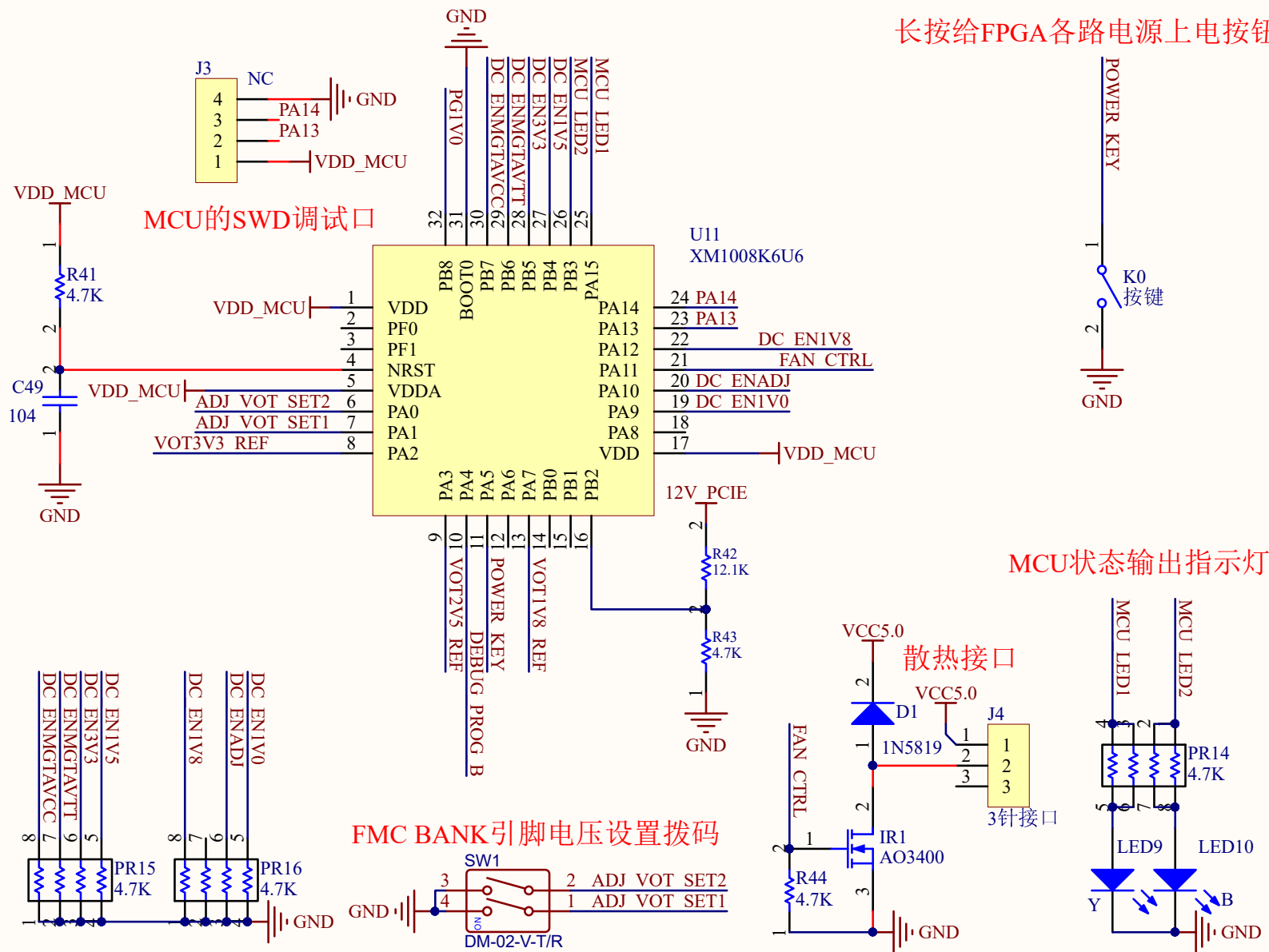
第二部分 FPGA供电引脚



第三部分 MCU上电控制和风扇电路

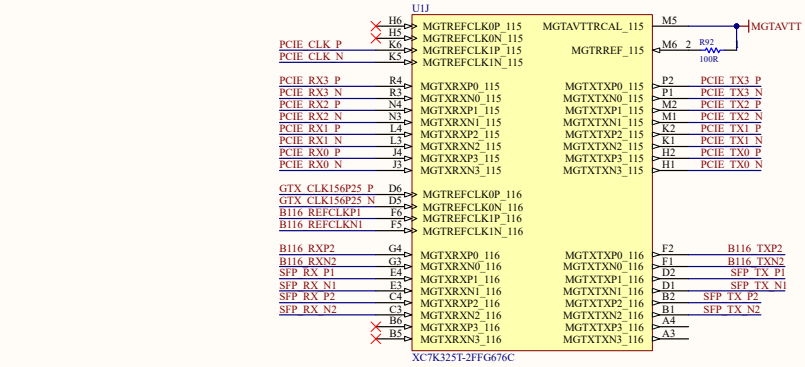
用于控制电源芯片上电顺序的ARM芯片

长按给FPGA各路电源上电按钮

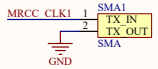


第四部分 FPGA的BANK

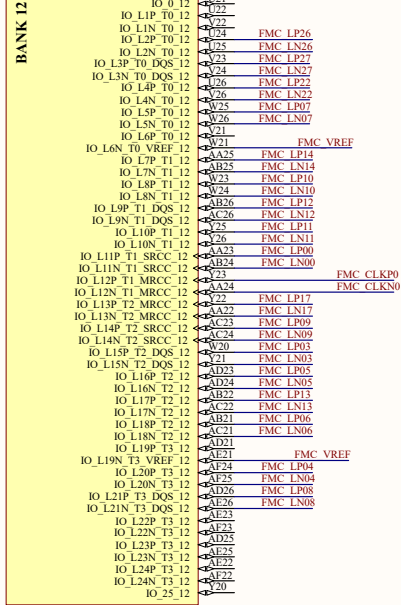
高速收发器BANK



SMA单端时钟接口

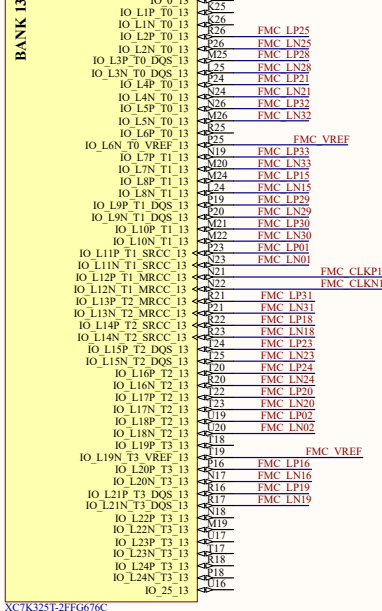


U1A



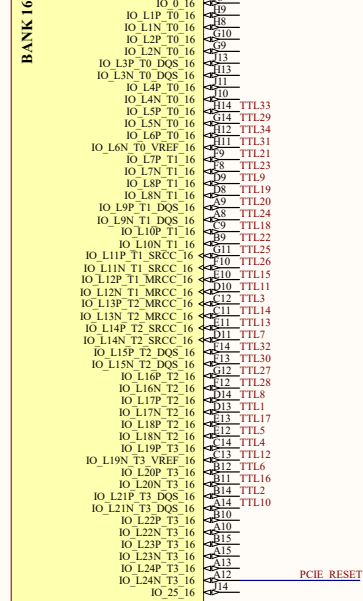
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U1B



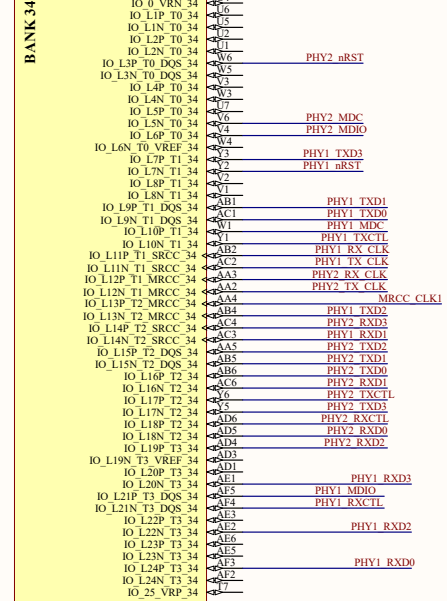
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U1E

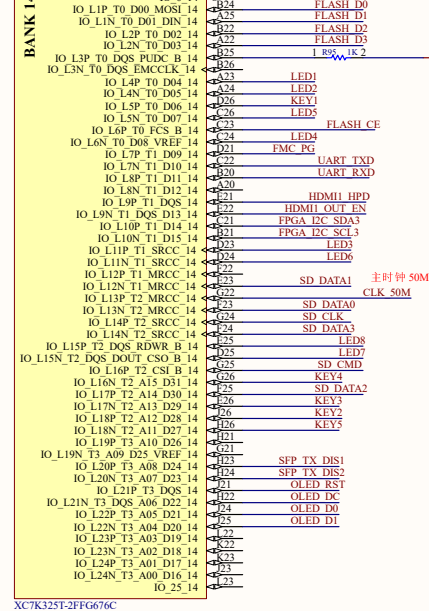


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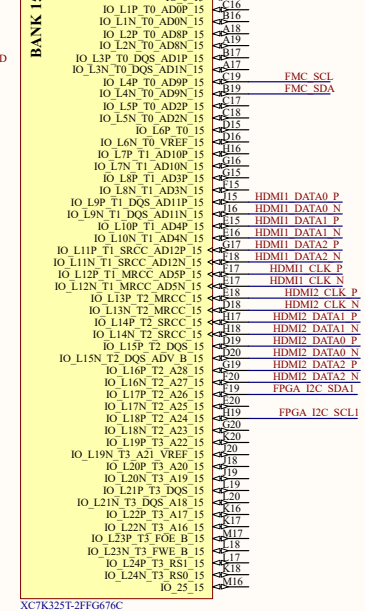
U1H



XC7K325T-2FFG676C

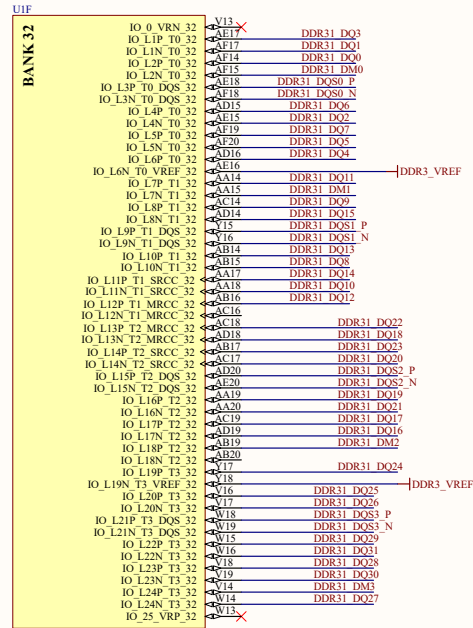
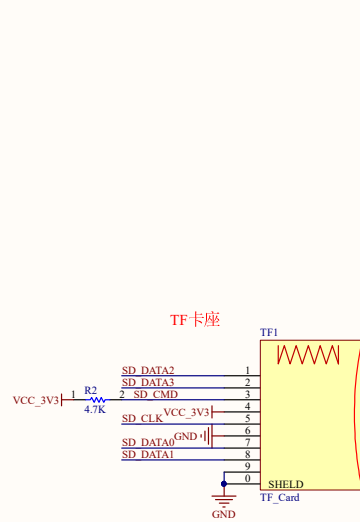


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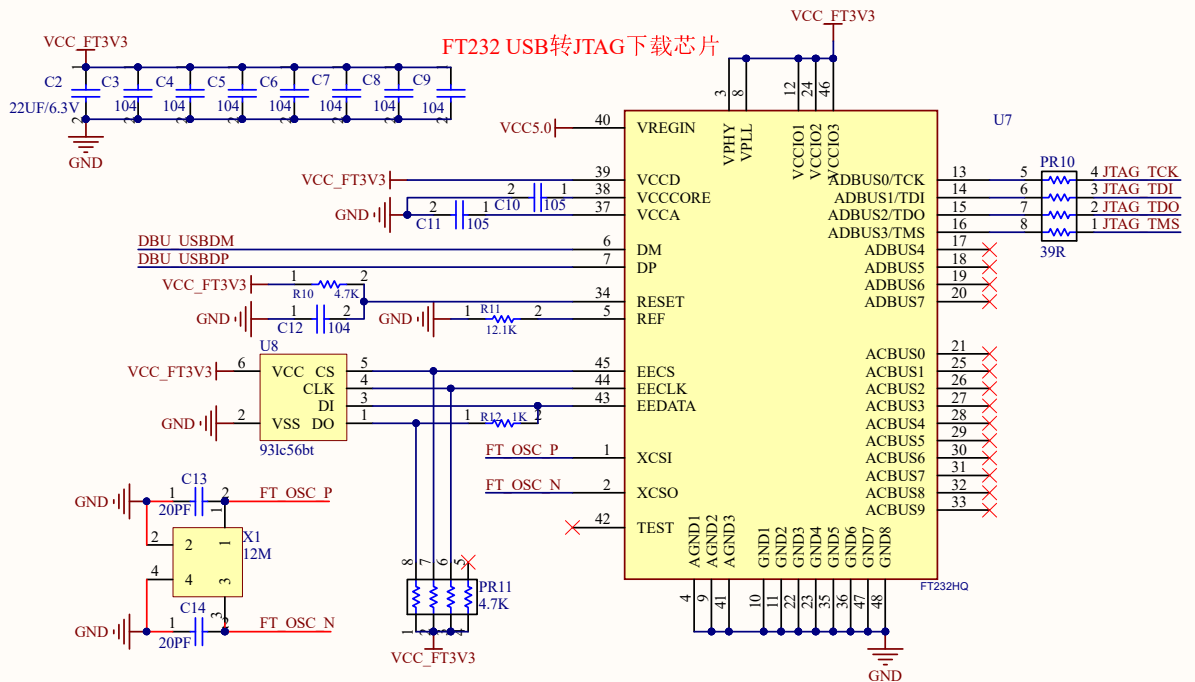
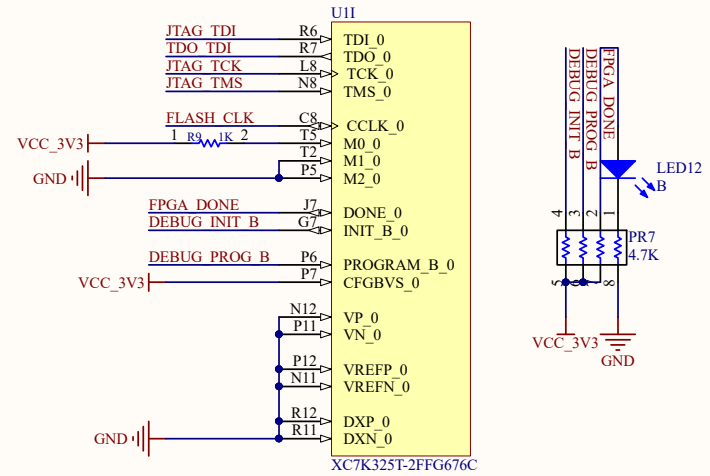
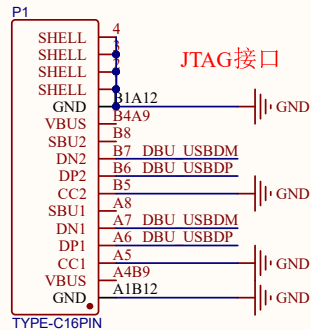
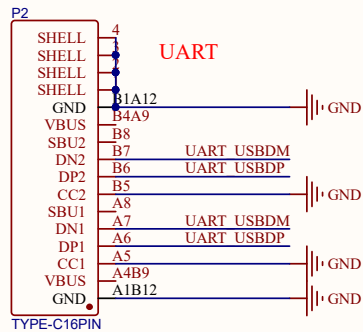
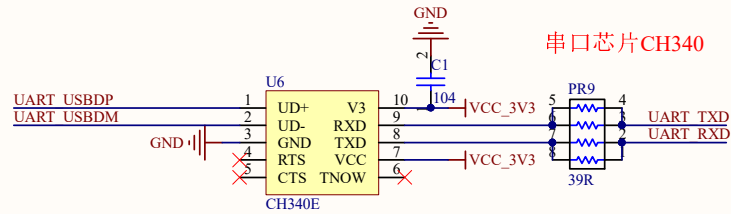
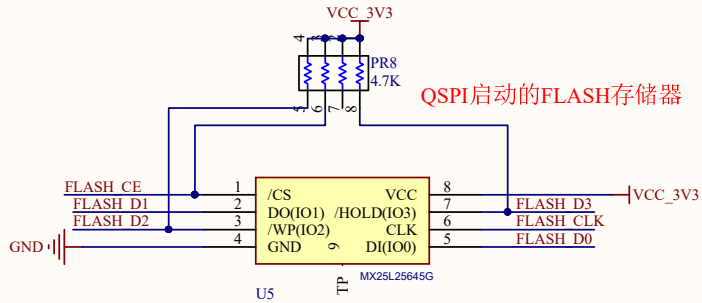
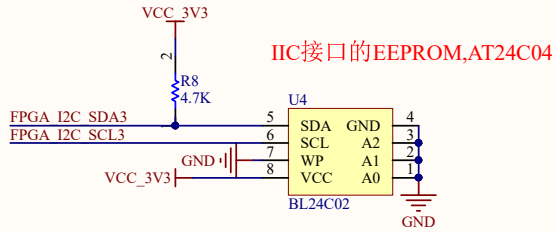


XC7K325T-2FFG676

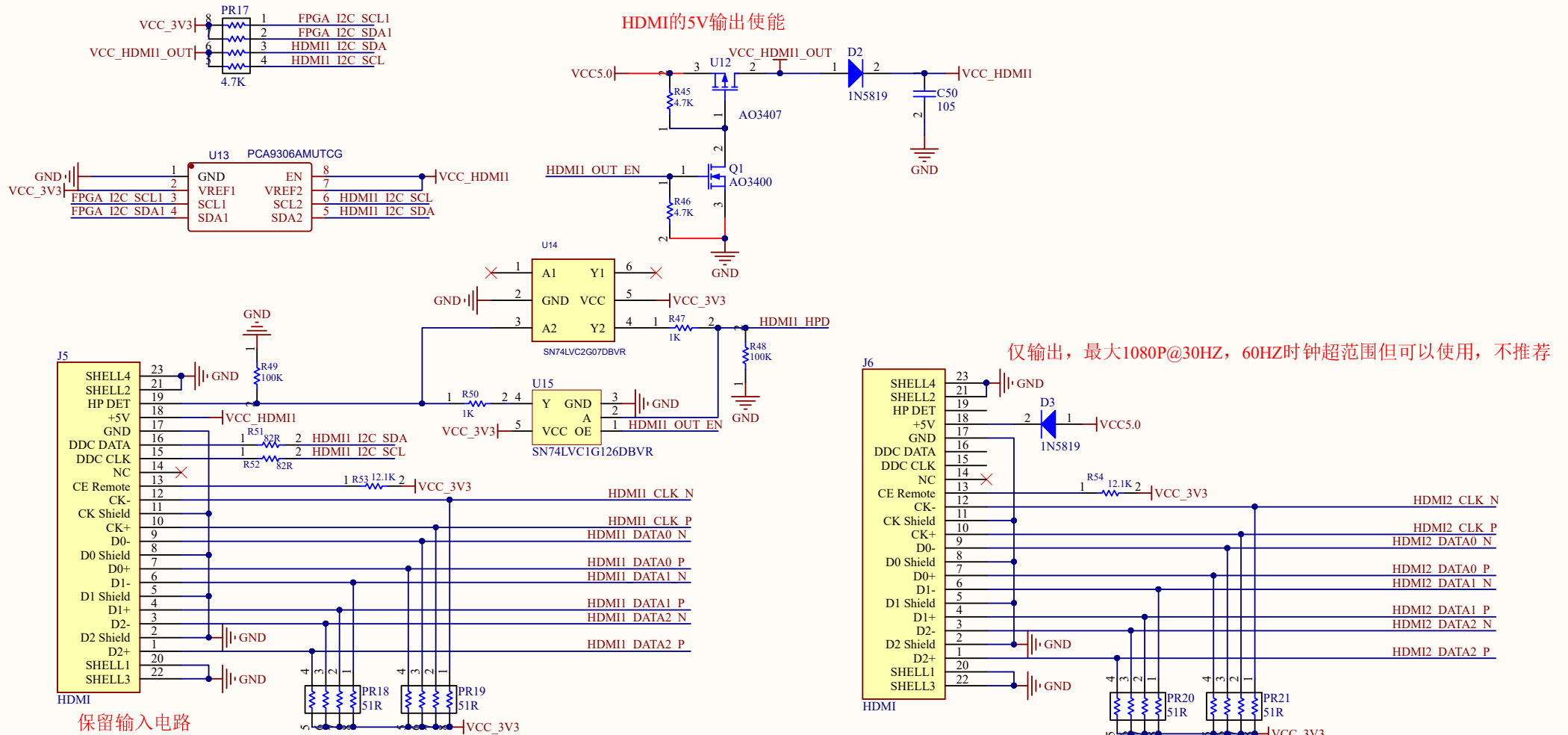
第五部分 DDR3/SD(TF)电路



第六部分 JTAG\串口\FLASH\EEPROM

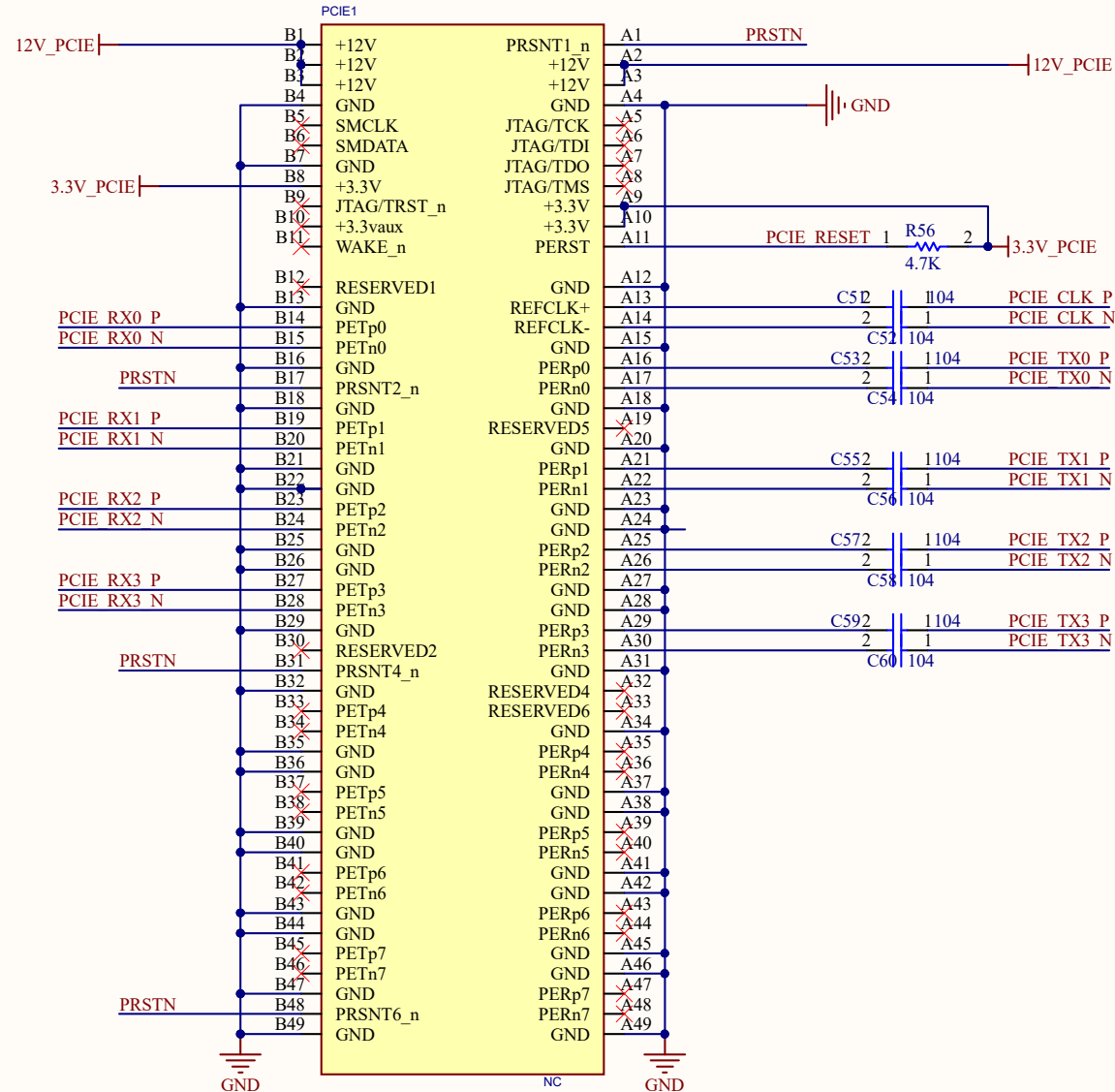


第七部分 HDMI接口电路

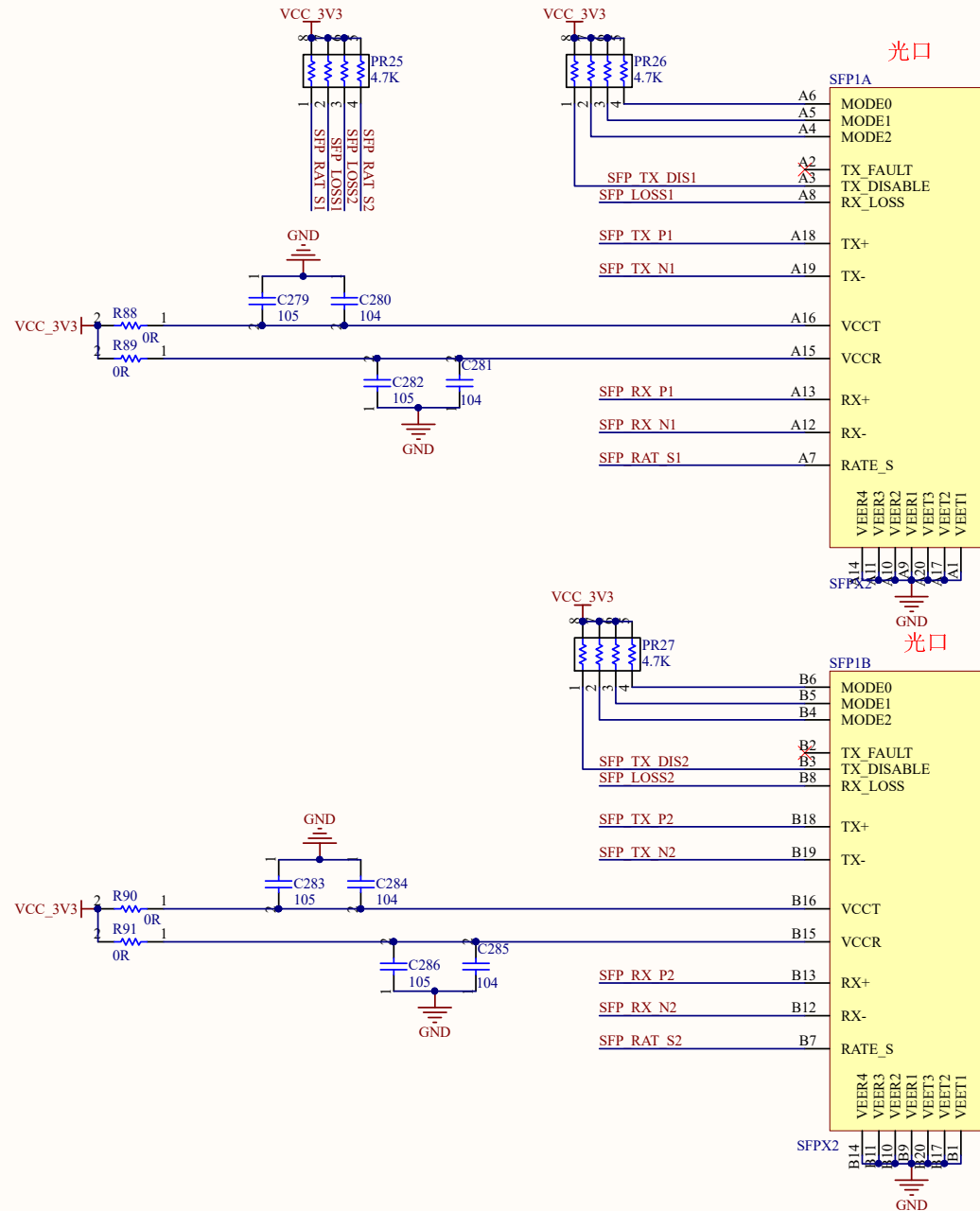


第八部分 PCIE接口电路

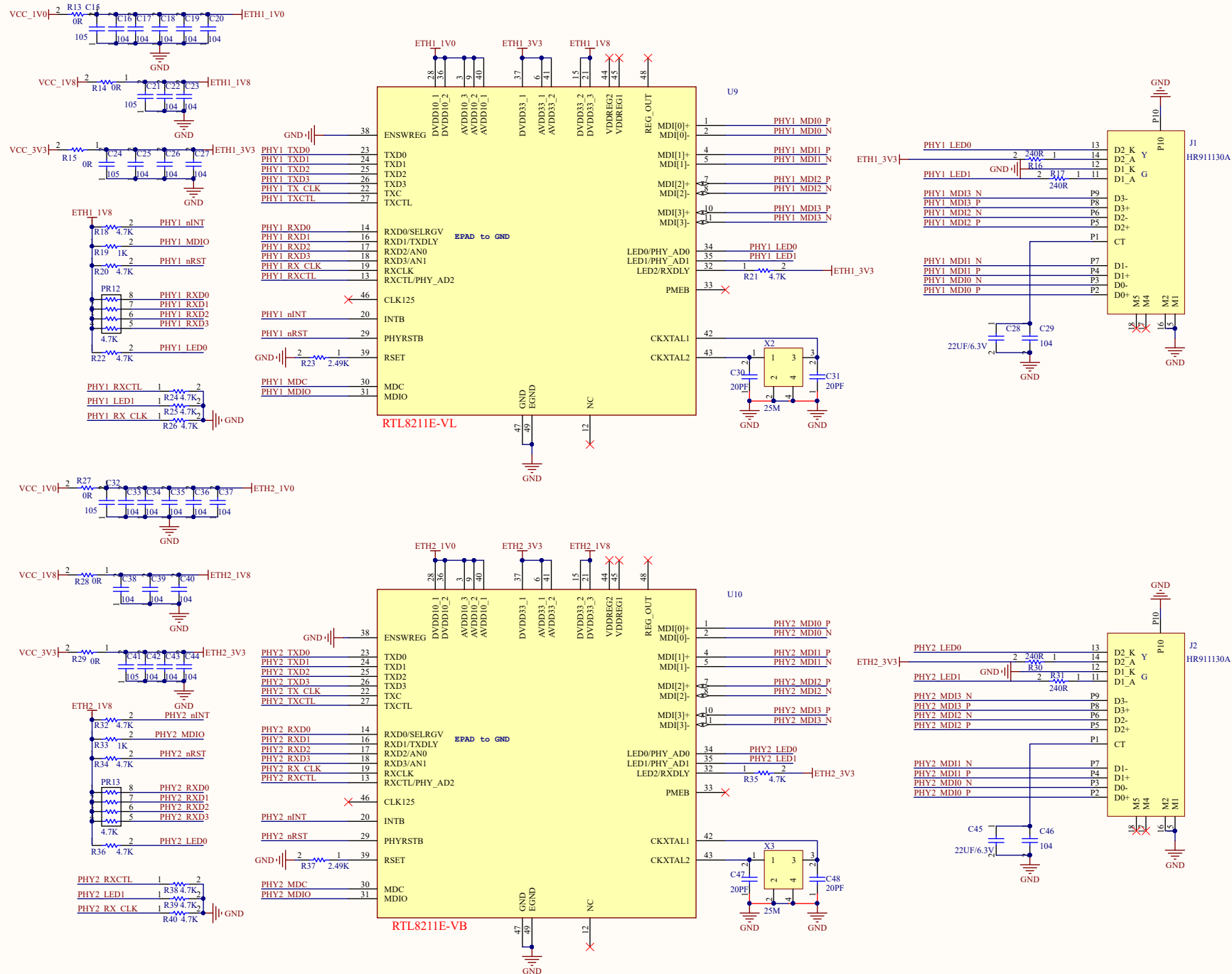
PCIE金手指，使用X8宽度，实际是X4位宽



第九部分 SFP+光通信接口



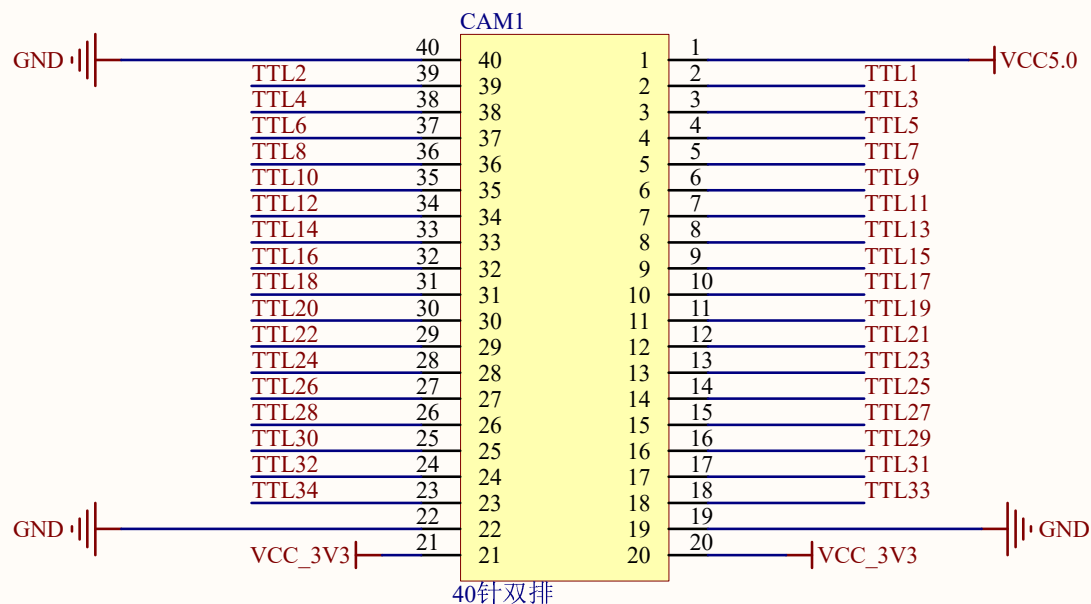
第十部分 千兆以太网电路



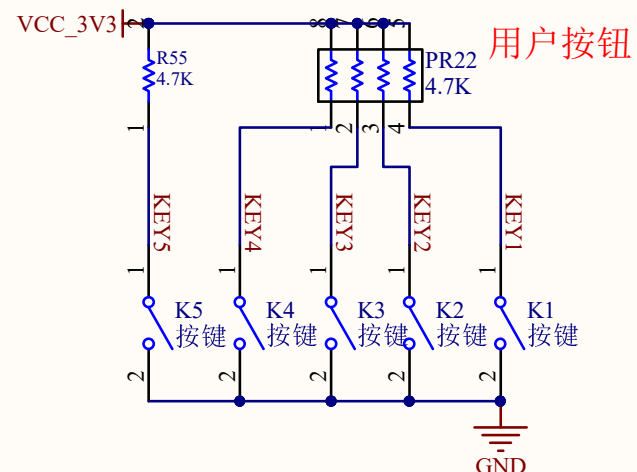
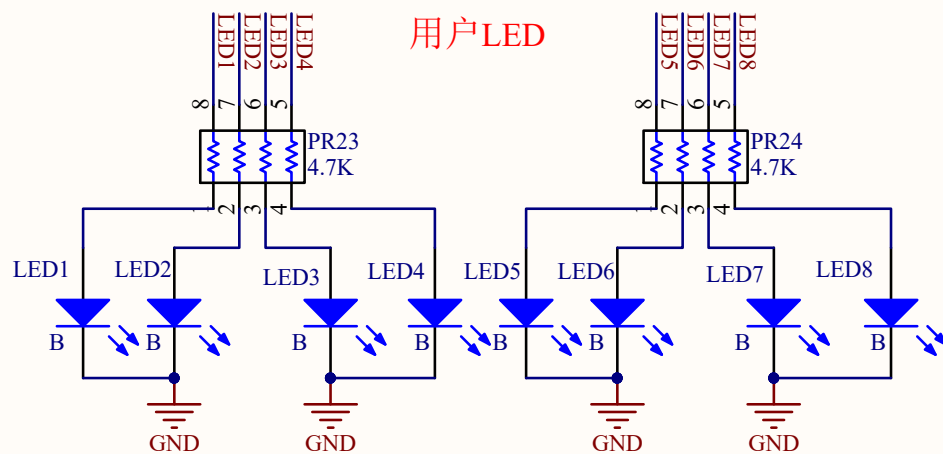
3.3V供电IO实际也可以使用VL后缀，实际需要调RGMII的IO Delay

第十一部分 IO扩展接口和LED及按钮

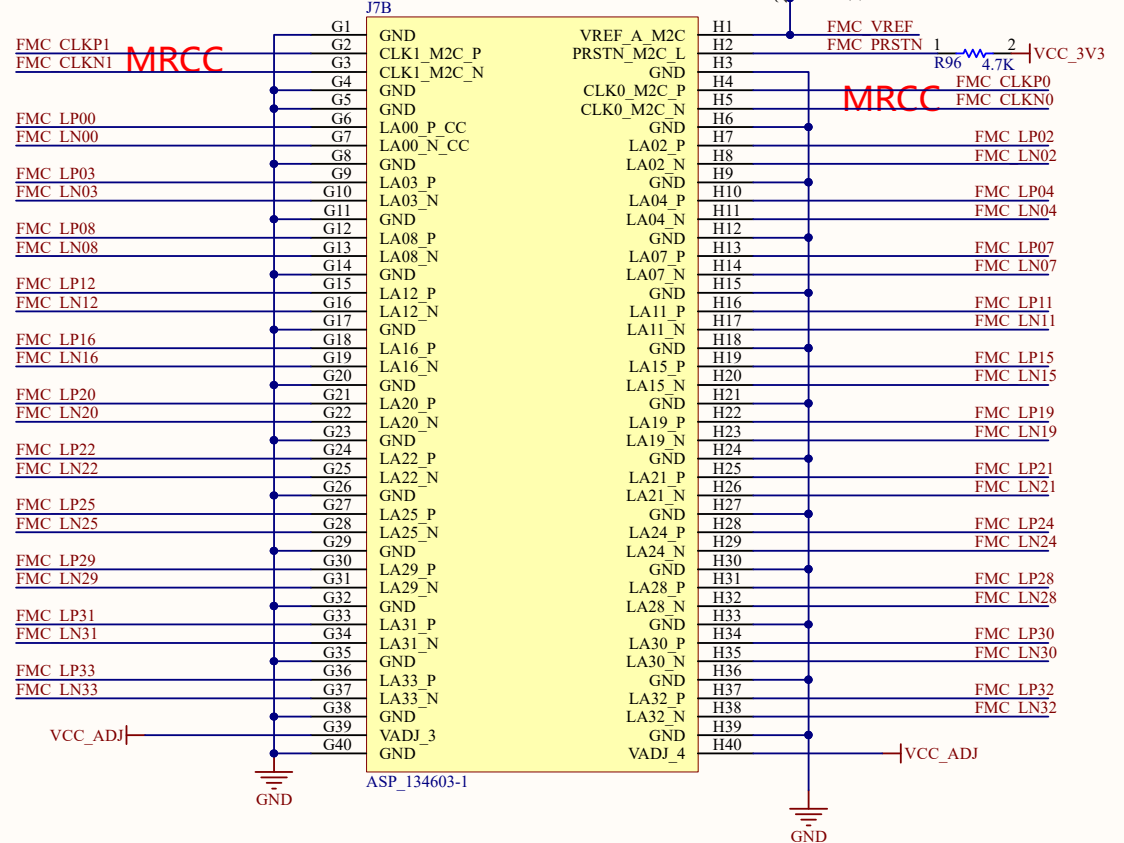
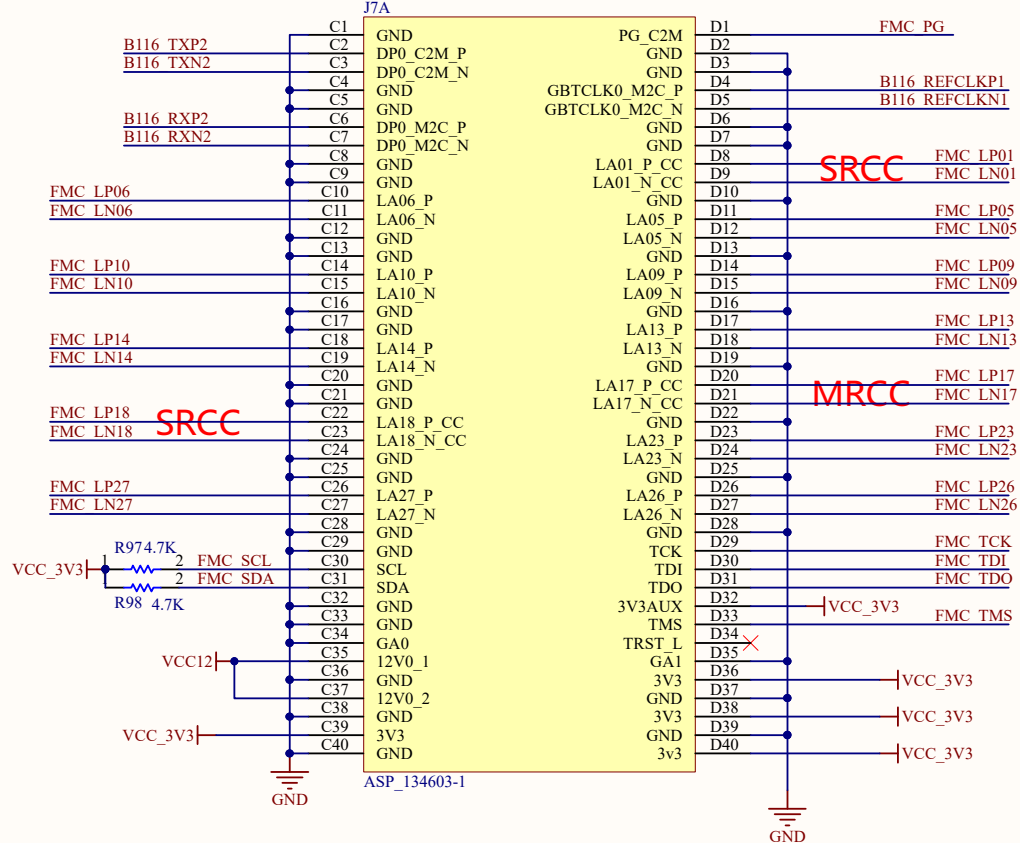
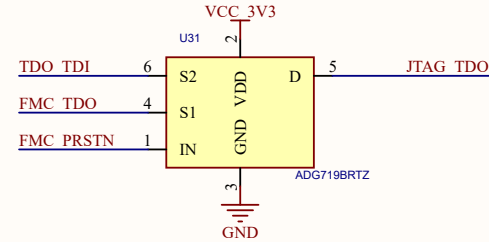
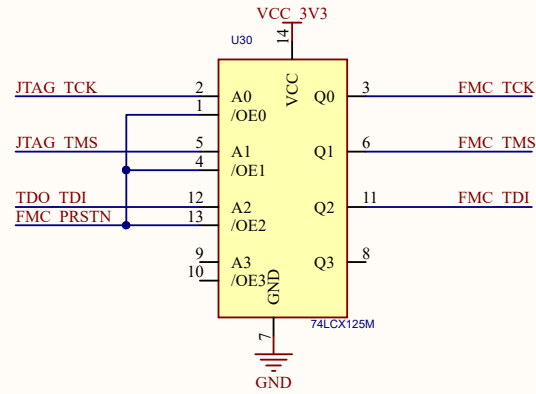
BANK16扩展出来的3.3V标准IO



每个管脚直接查看开发板的扩展口丝印



第十二部分 FMC LPC扩展接口电路



第十三部份 PL的OLED显示模块

