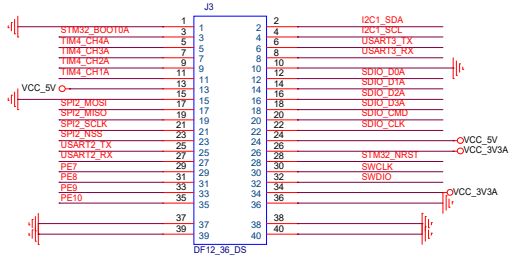
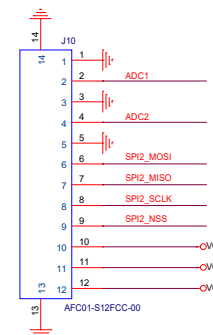
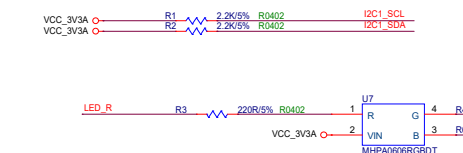
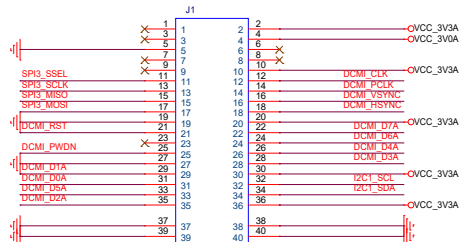
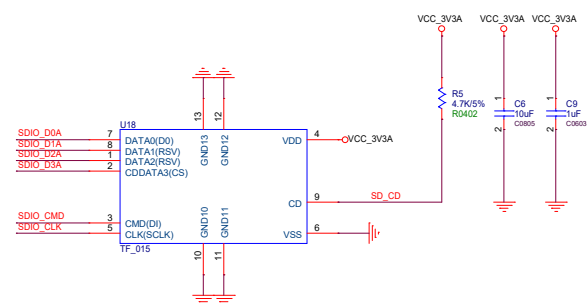
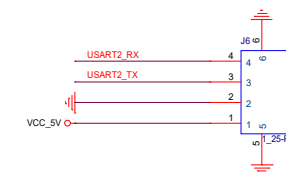
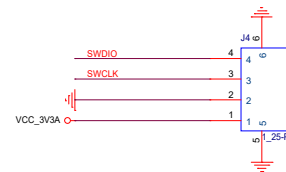
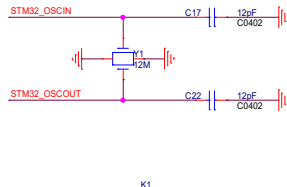
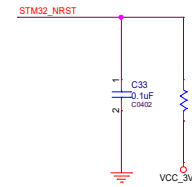
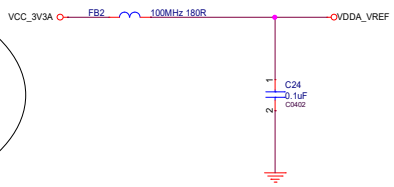
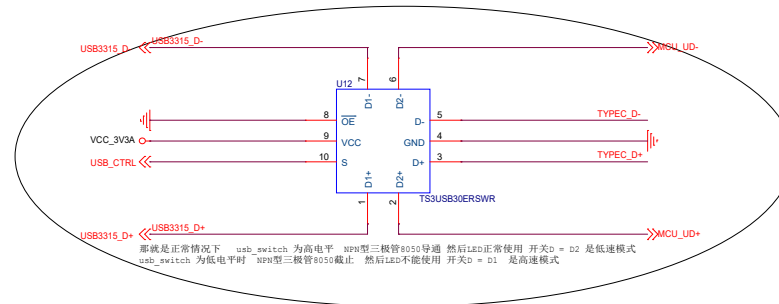
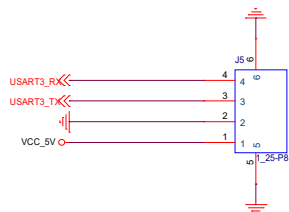
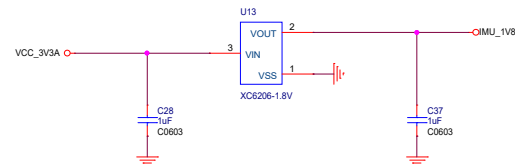
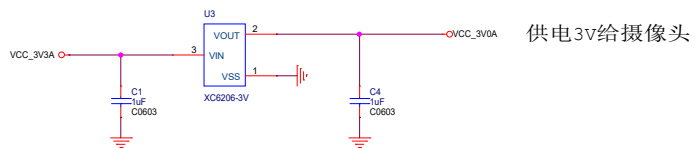
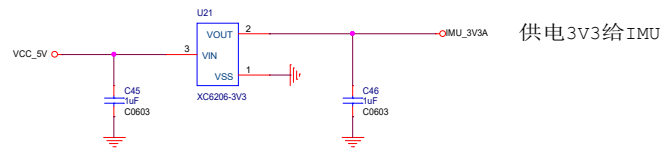
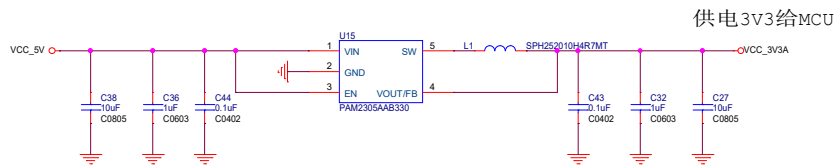


电容靠近STM32电源引脚放置

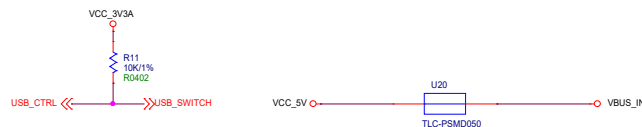
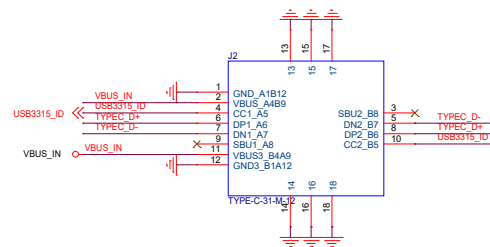


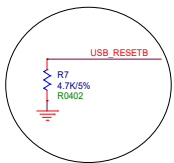
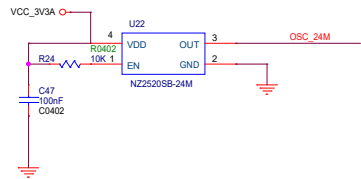
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那就是正常情况下 usb switch 为高电平 NPN型三极管8050导通 然后LED正常使用 开关= D2 是低速模式
usb switch 为低电平时 NPN型三极管8050截止 然后LED不能使用 开关= D1 是高速模式

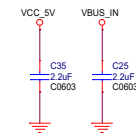
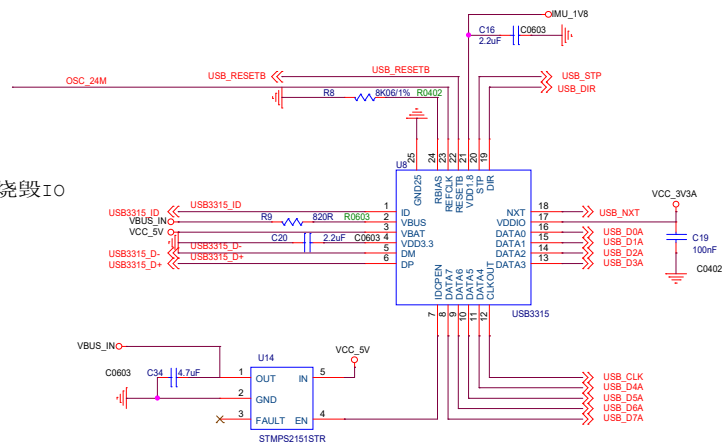


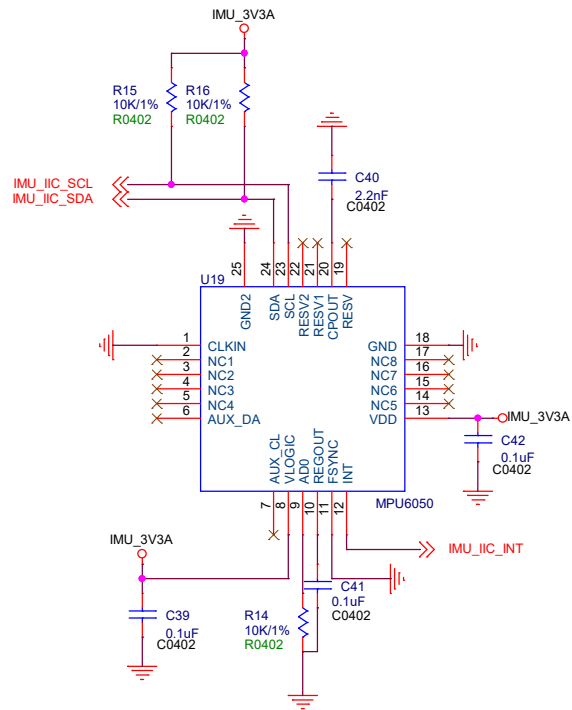
USB2.0阻抗需要注意





高电平正常工作
上电低电平避免烧入OPENMV固件时烧毁IO





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