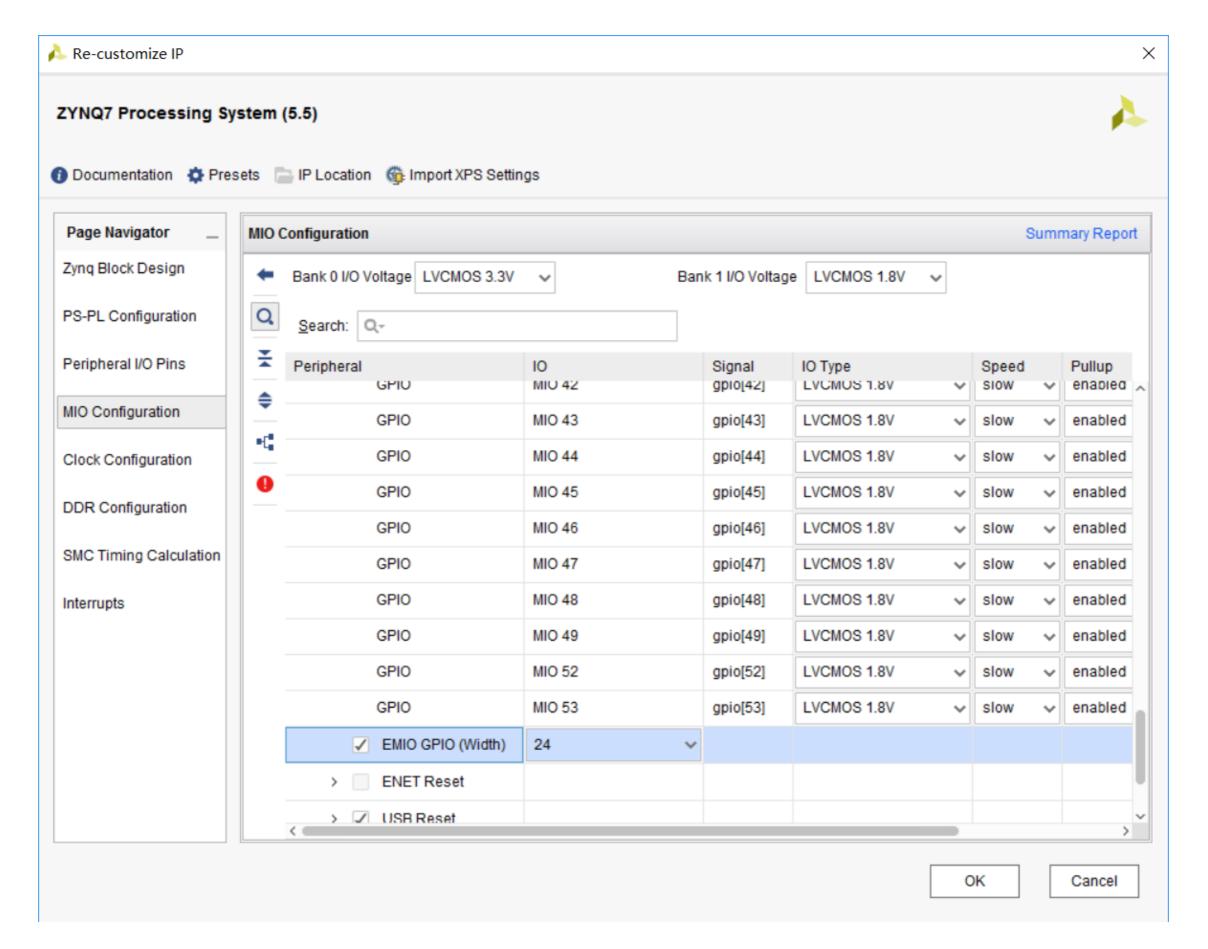
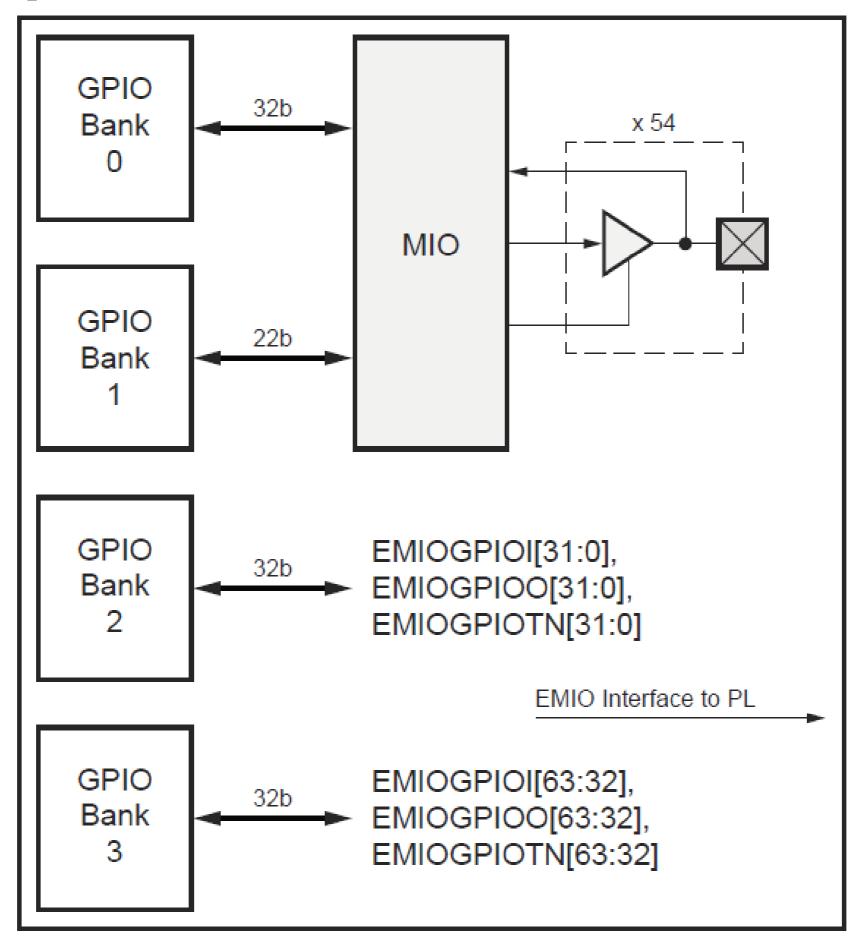
嵌入式体系结构基于ZYNQ 第三讲

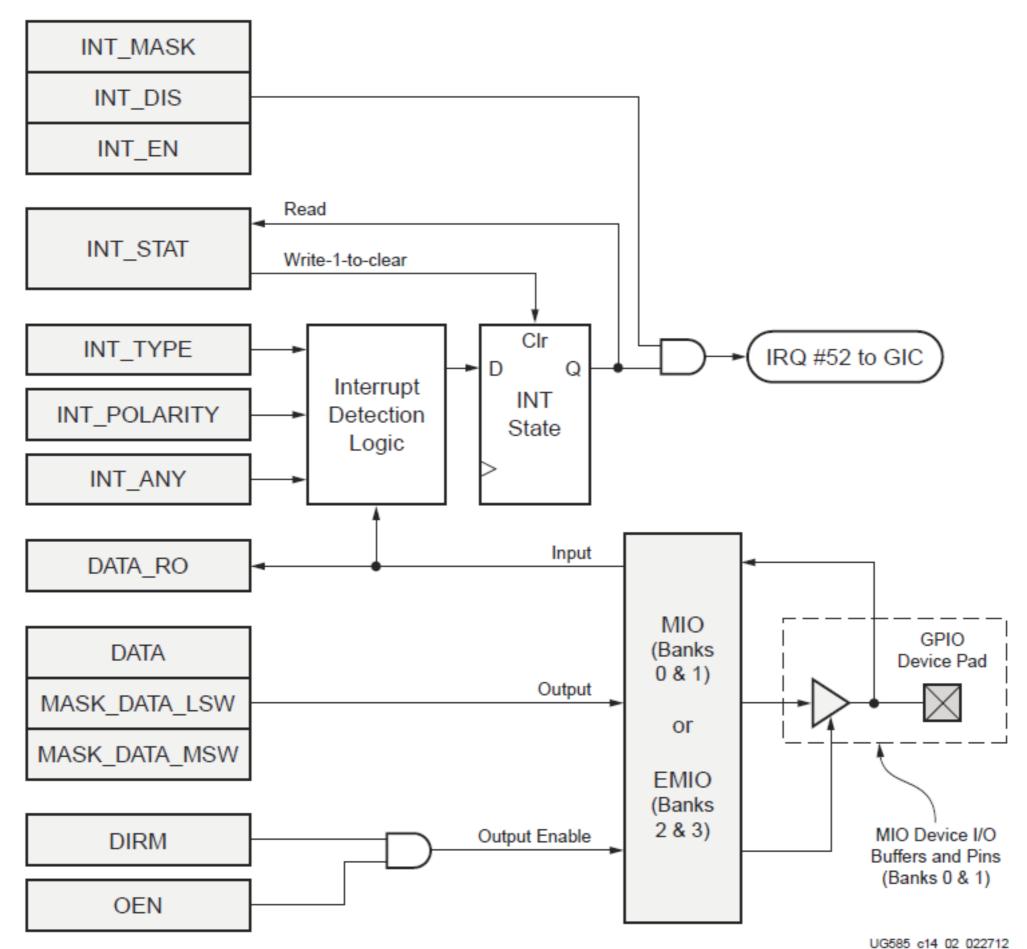
ZYNQ-SoC GPIO

- PS GPIO和PL GPIO
- **GPIO输出**
- GPIO输入

- OZynq上PS的MIO数量54
- EMIO接口可将PS的GPIO连接到PL
- 每一位可单独指定方向和产生中断

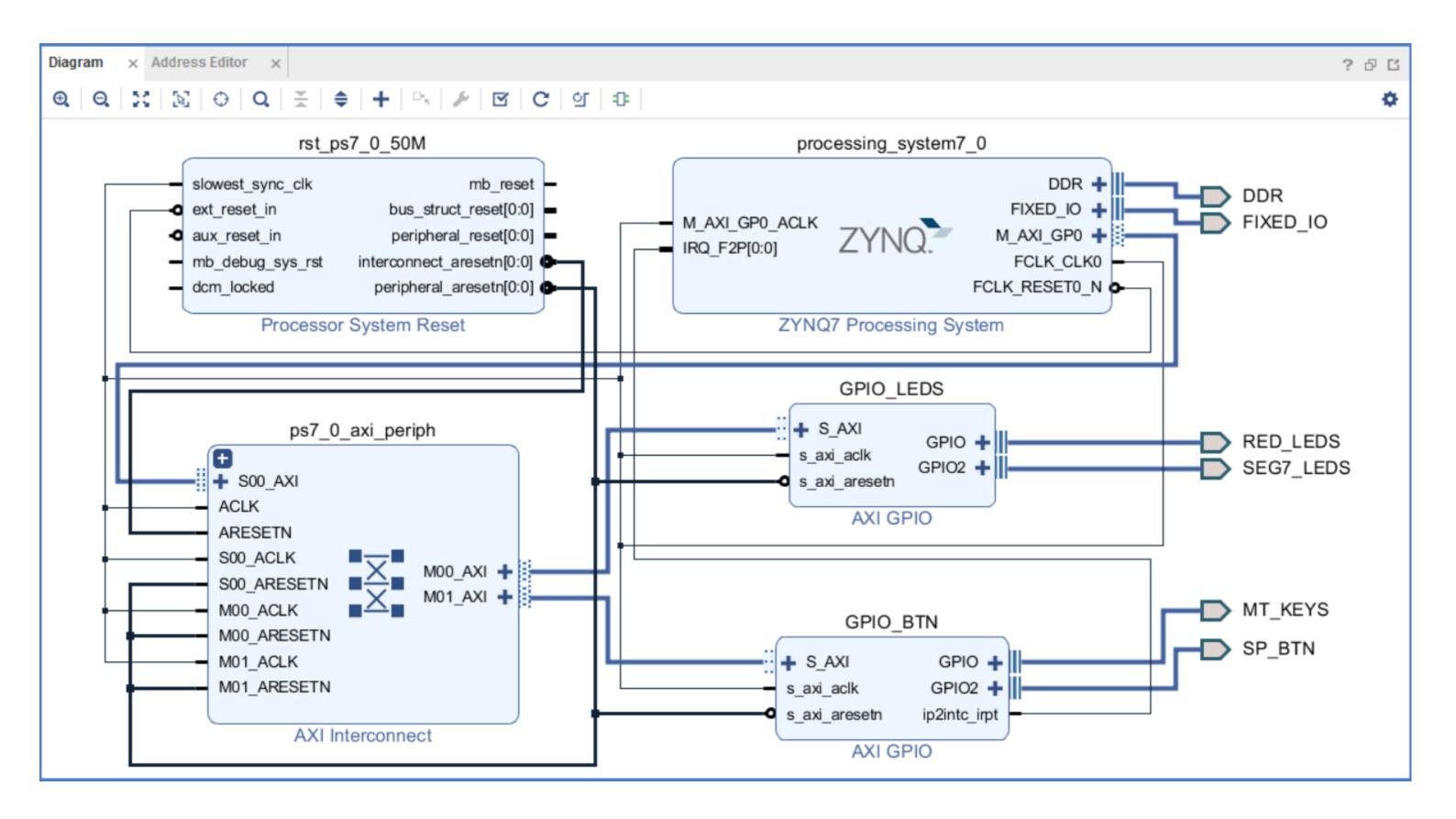


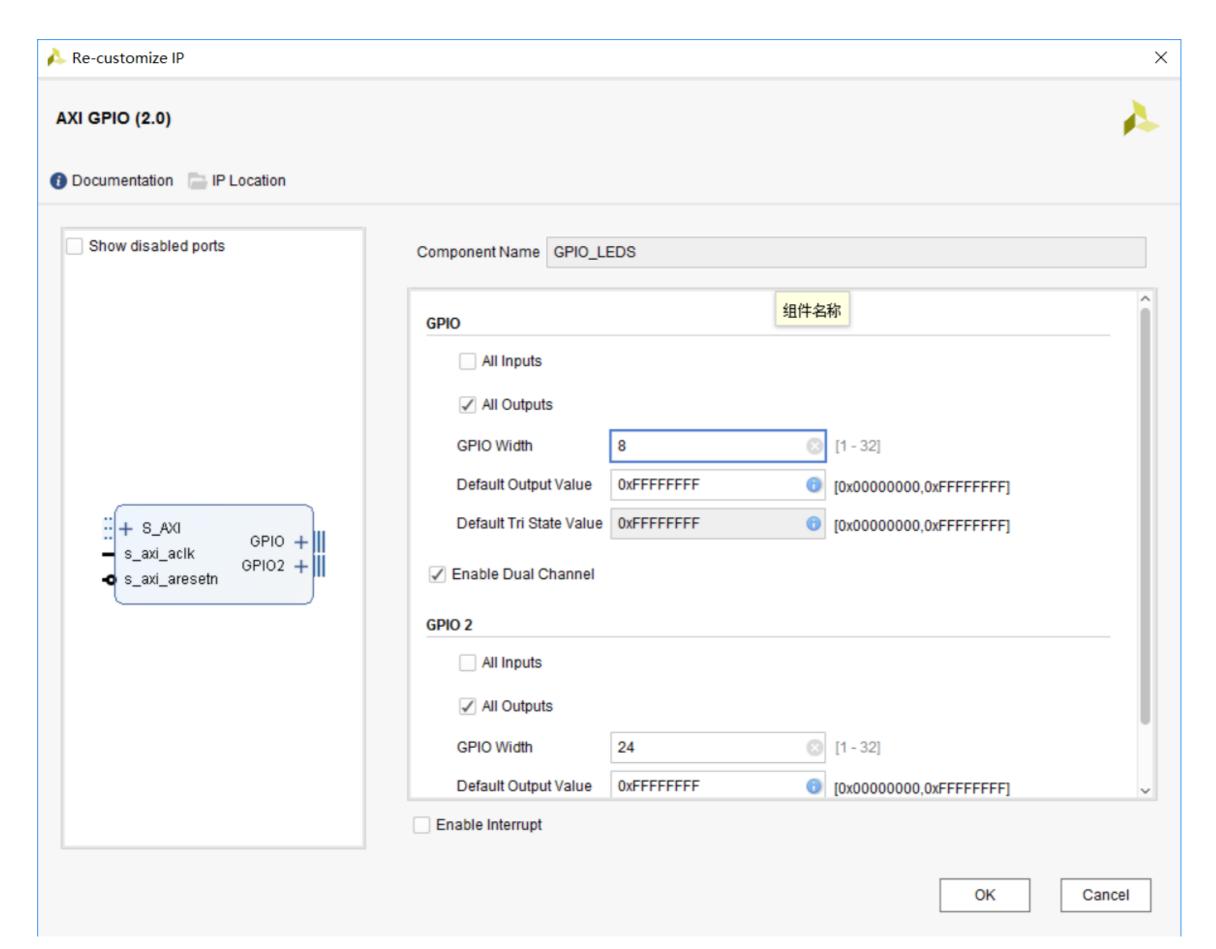




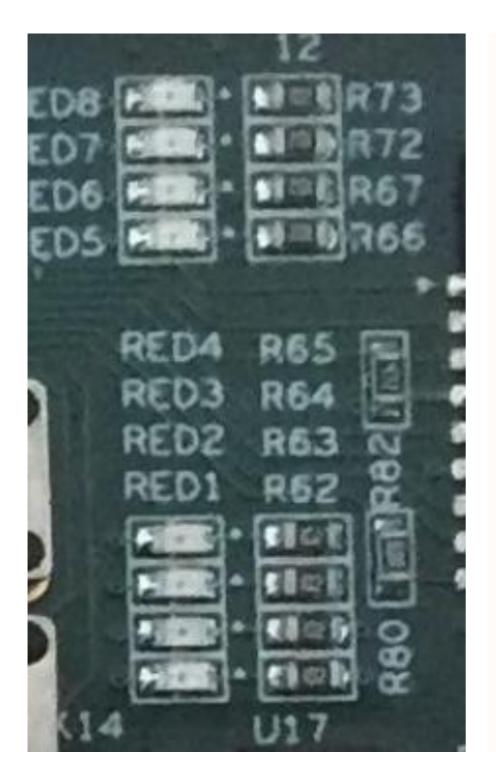
- 54位GPIO作为设备控制引脚 输出具有三态功能
- 192位GPIO通过EMIO连接到PL 其中64位输入,128位输出
- 每一位可动态编程访问也可分组访问

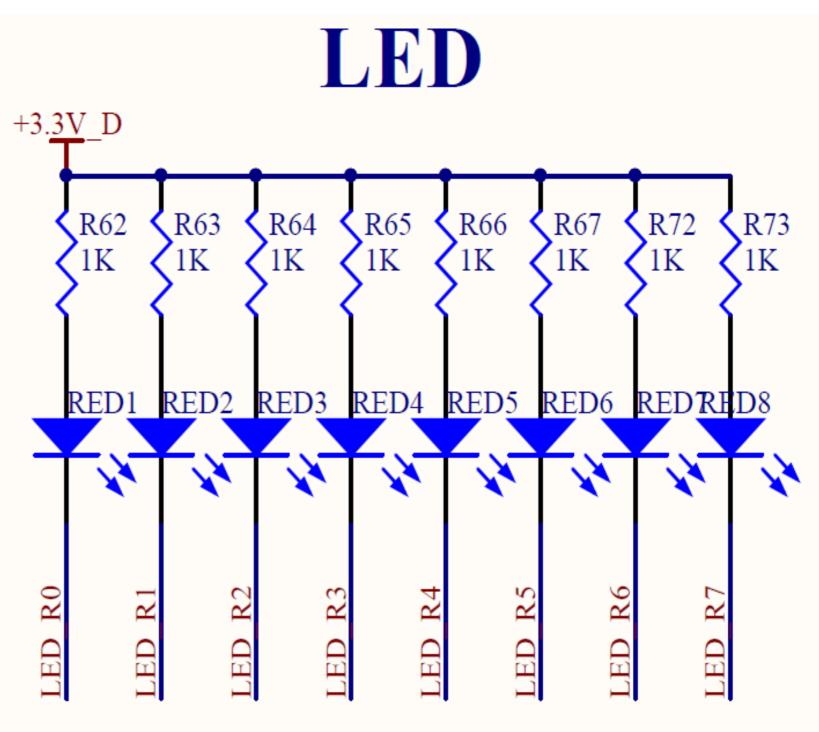
每一位均可单独中断,并可以指定中断类型



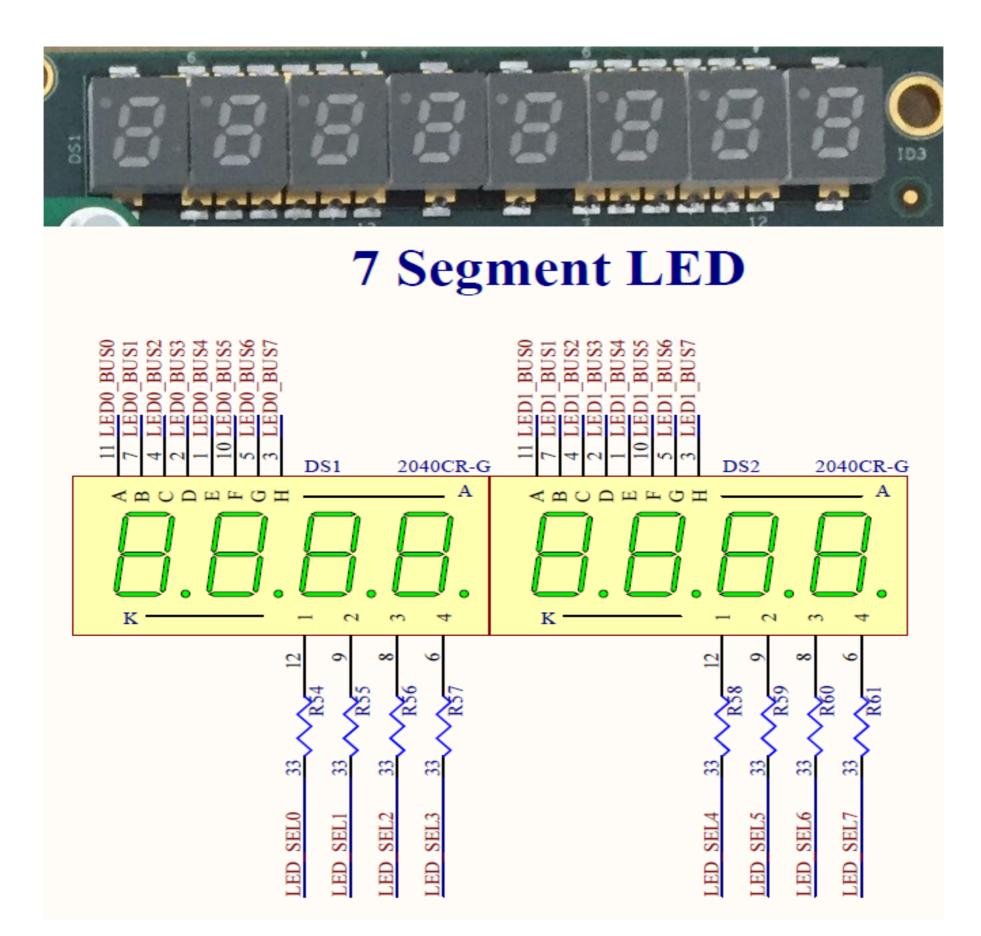


ZYNQ-SoC GPIO 输出



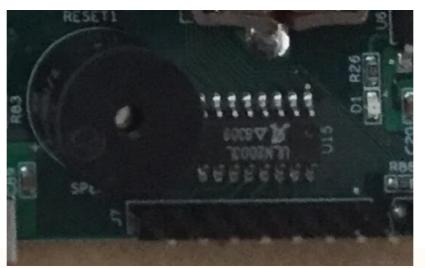


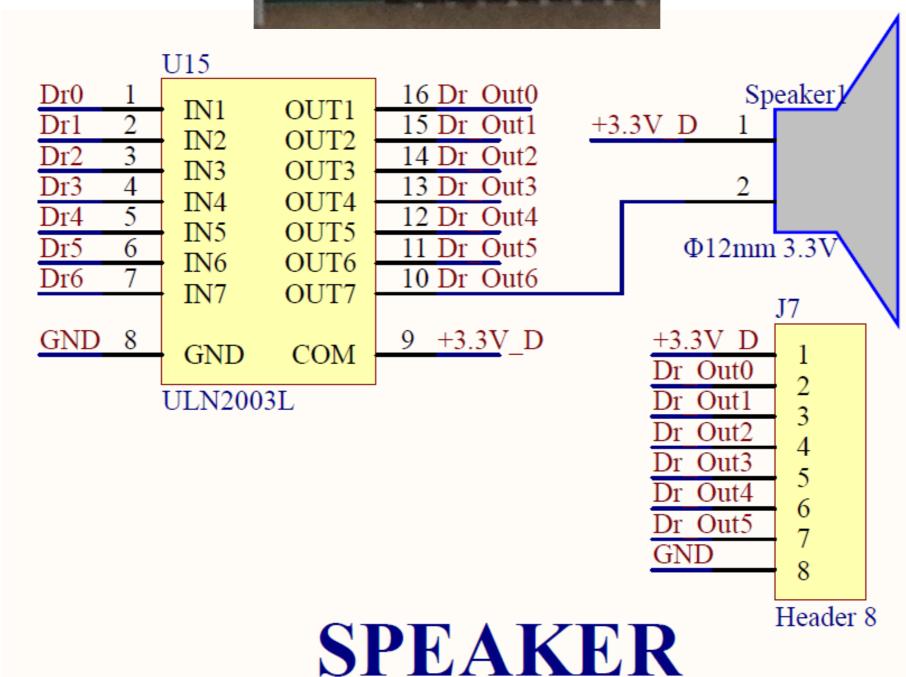
ZYNQ-SoC GPIO 输出



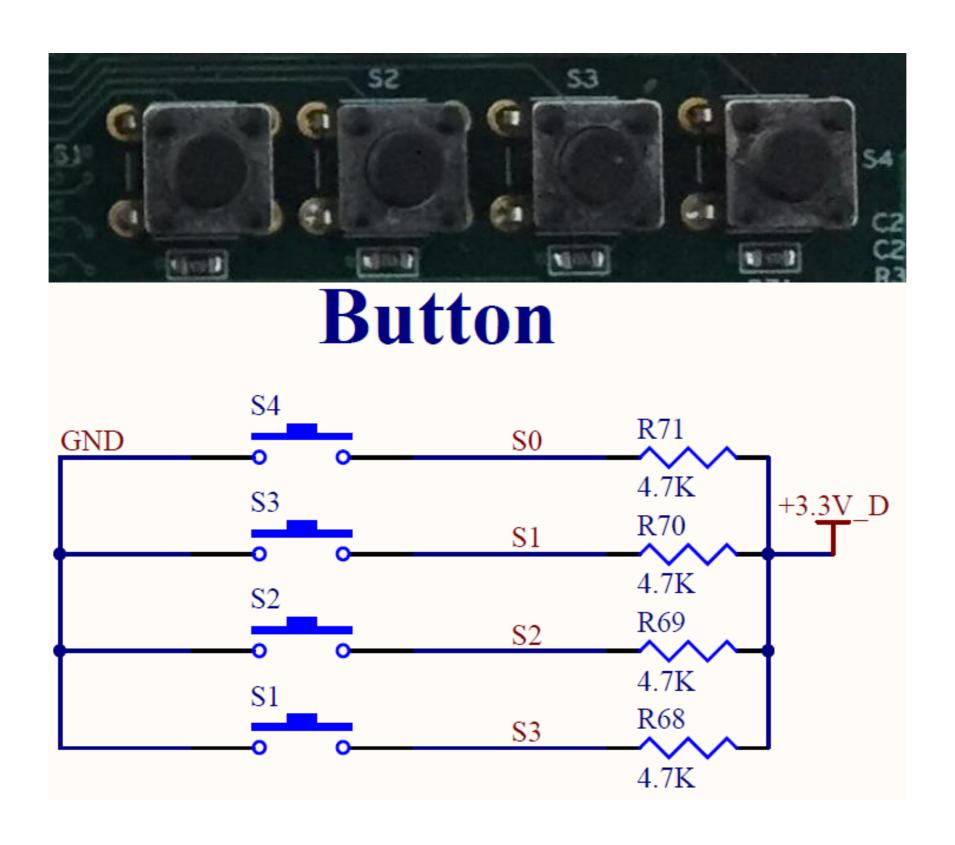
ZYNQ-SoC

GPIO 输出

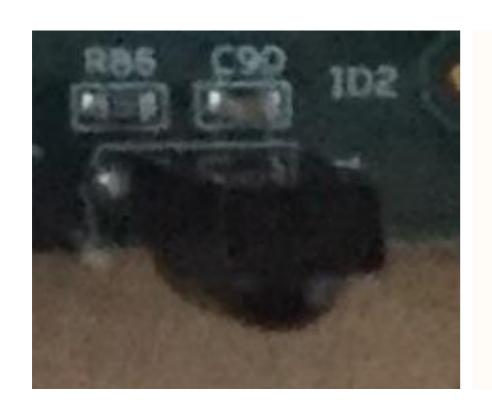


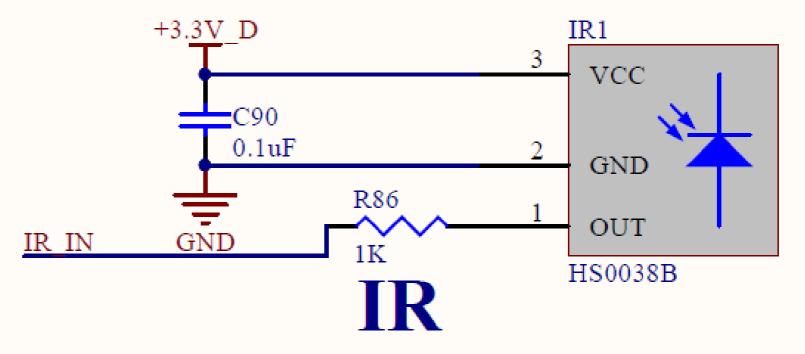


ZYNQ-SoC GPIO 输入

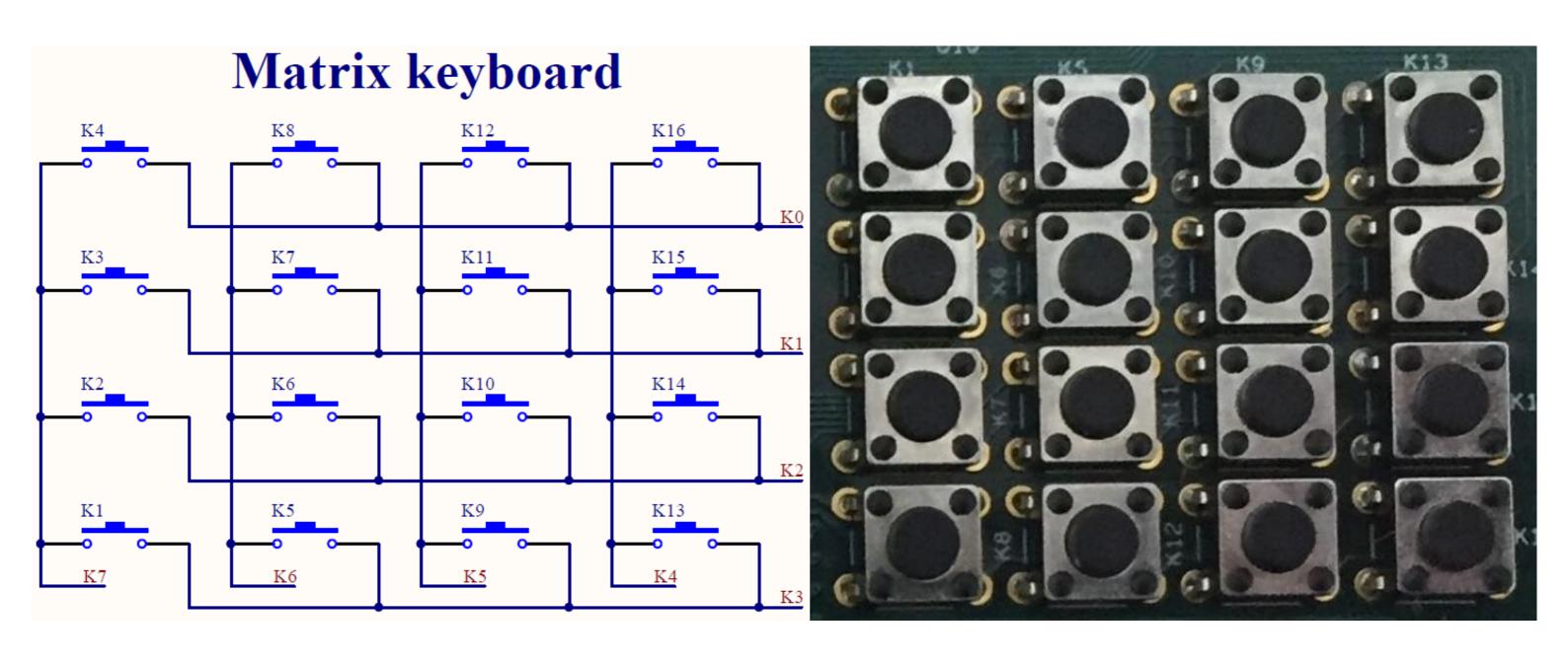


ZYNQ-SoC GPIO 输入

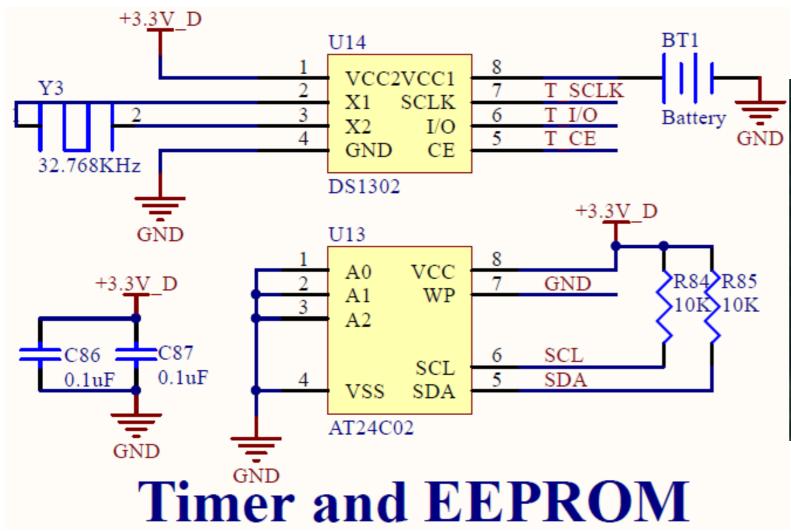


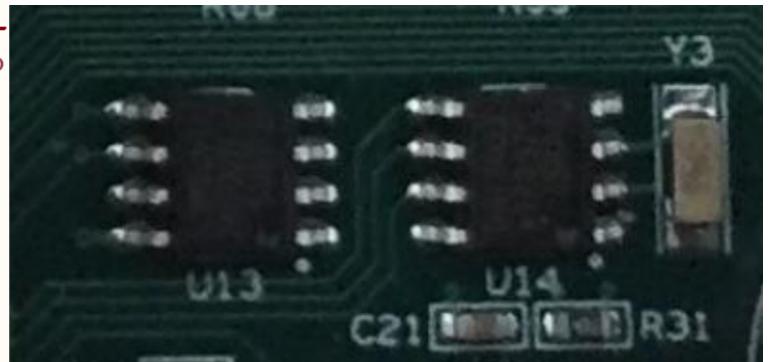


ZYNQ-SoC GPIO 双向



ZYNQ-SoC GPIO 双向





思考题