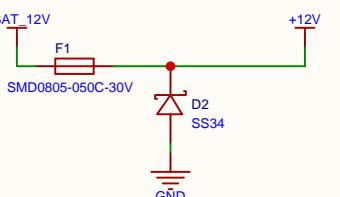
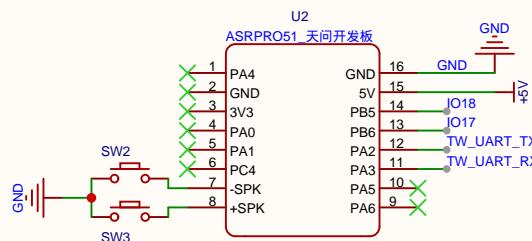


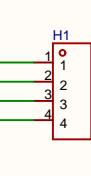
保护电路



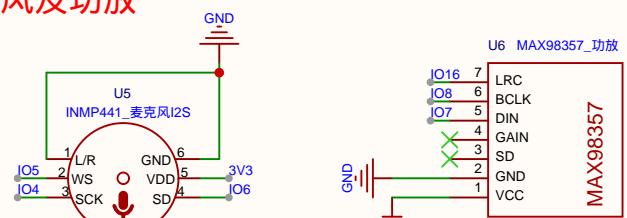
天问ASRPRO



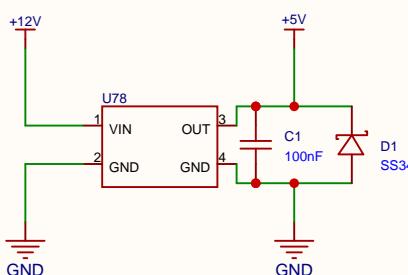
串口屏



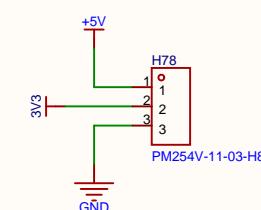
麦克风及功放



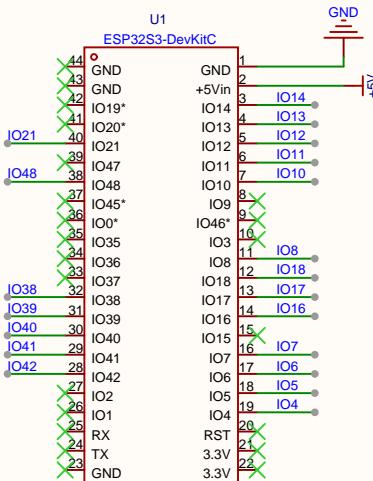
一级降压 12V -> 5V



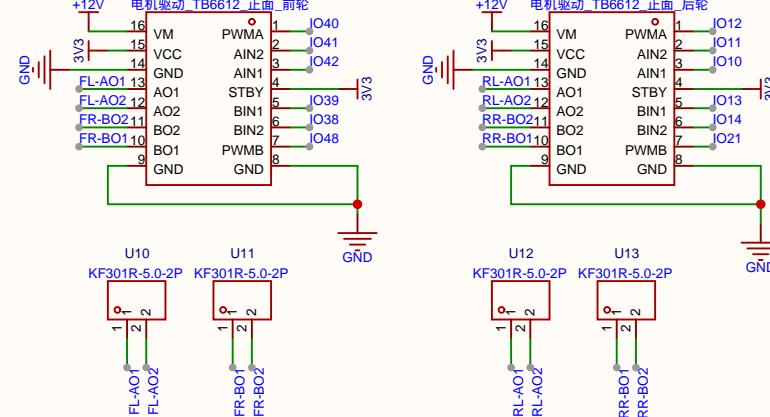
二级降压 5V -> 3.3V



ESP32-S3



TB6612电机驱动



原理图

Whale原理图

创建日期 2026-01-02

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图页 第一页

V1.0

绘制	星芯工坊
审阅	星芯工坊

嘉立创EDA

V1.0

星芯工坊