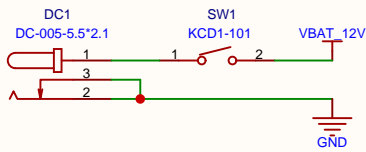
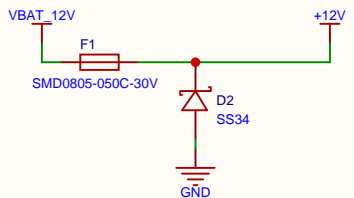


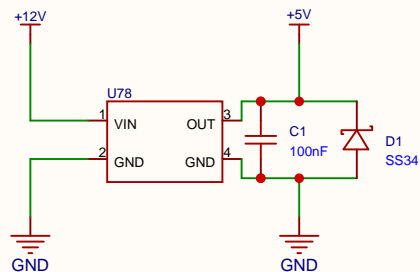
电源输入及开关



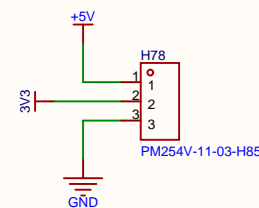
保护电路



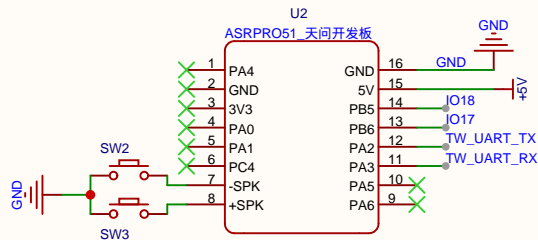
一级降压 12V -> 5V



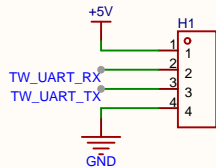
二级降压 5V -> 3.3V



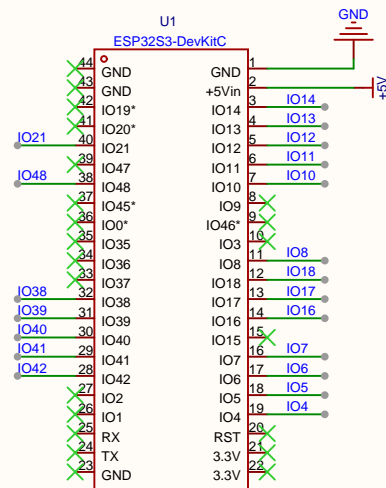
天问ASRPRO



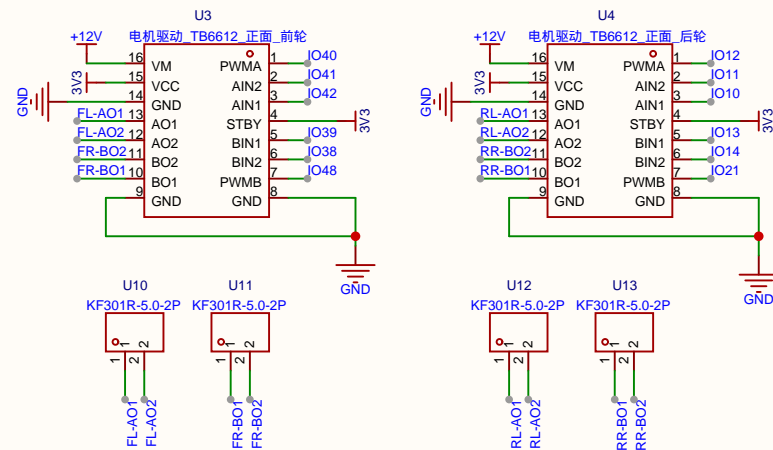
串口屏



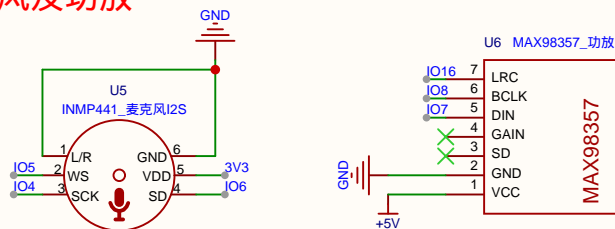
ESP32-S3



TB6612电机驱动



麦克风及功放



原理图

Whale原理图

创建日期 2026-01-02

更新日期 2026-01-06

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板子

V1.0

绘制

星芯工坊

审阅

星芯工坊

Whale.ai

版本

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V1.0

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星芯工坊