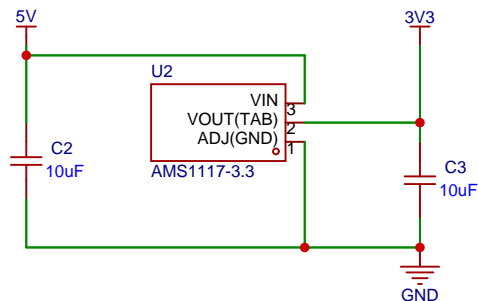
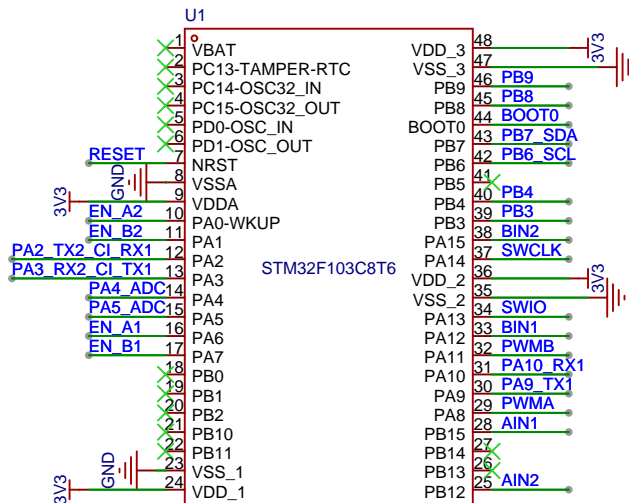


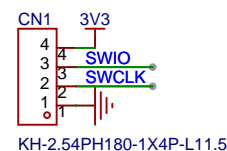
# STM32最小系统



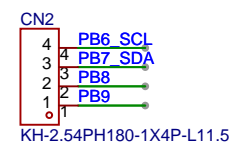
LDO电源(参考手册用10uF电容)



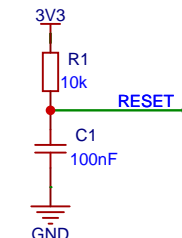
STM32F103C8T6



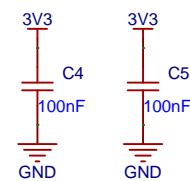
## 单片机烧录



## PWM接口预留



### 复位电路



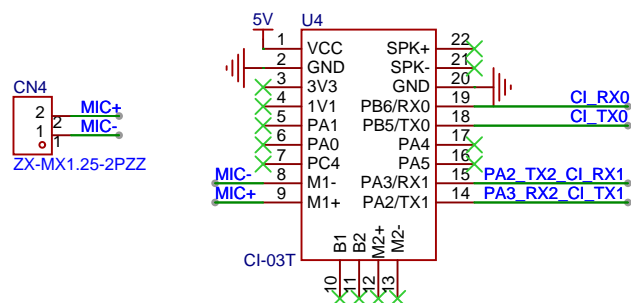
滤波电容



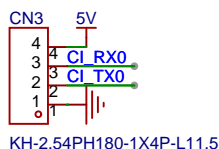
BOOT1 BOOT0

|   |   |       |
|---|---|-------|
| x | 0 | Flash |
| 0 | 1 | ISP   |
| 1 | 1 | SRAM  |

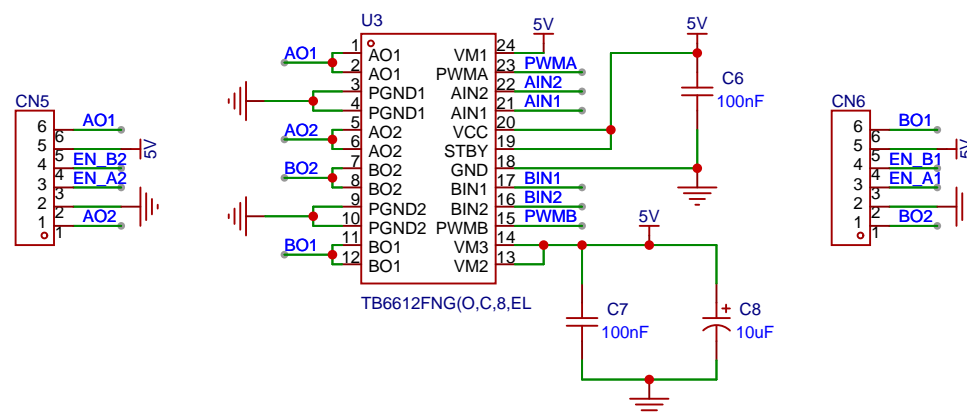
## 离线语音模块



## 离线语音烧录

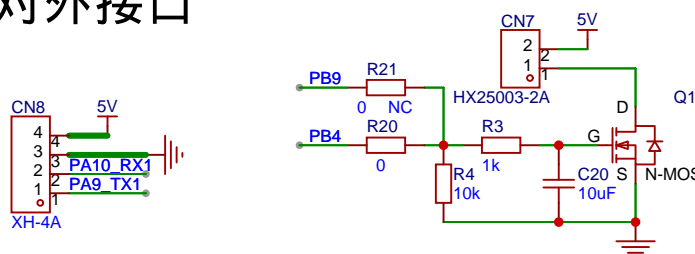


## 电机驱动电路



## 对外接口

PB9的0欧电阻不贴，用于备用输出PWM缓启动

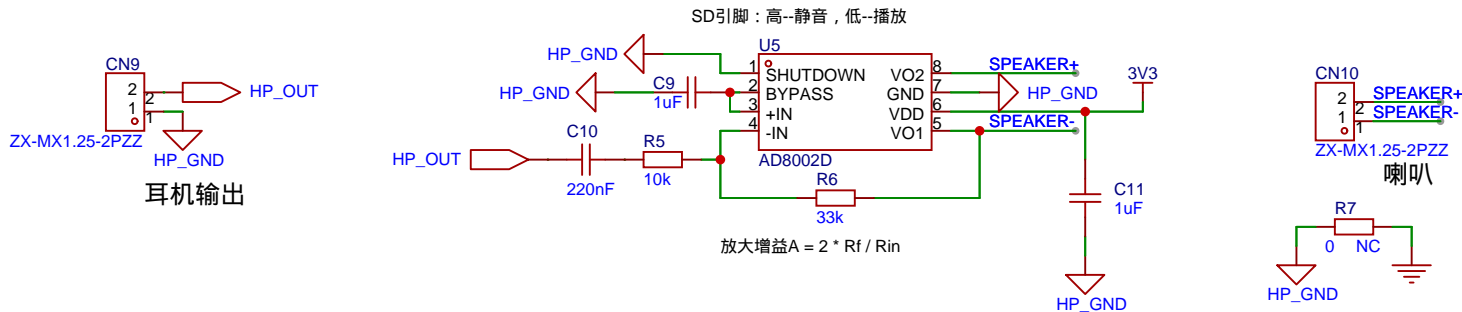


## 香橙派电源和串口

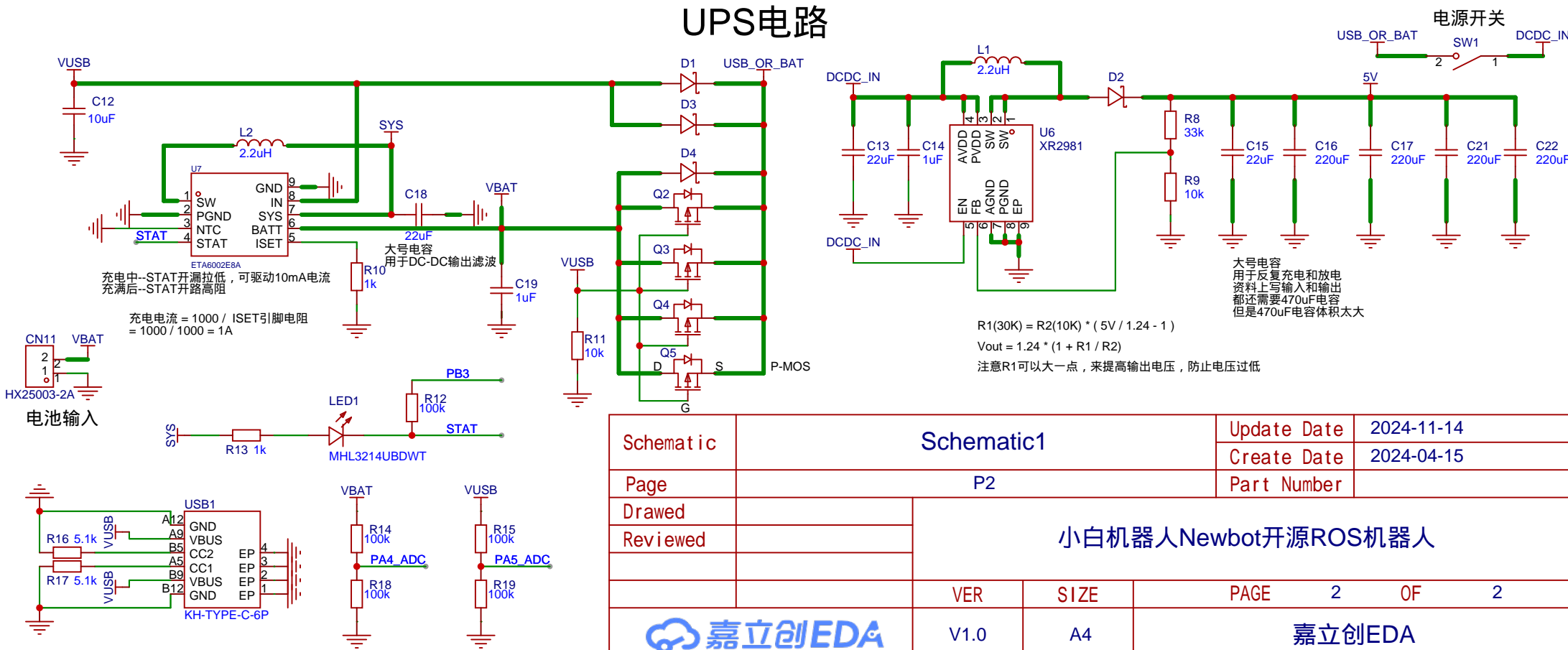
雷达电源（要缓启动，防止电流过大）

|  |            |                     |      |             |            |
|--|------------|---------------------|------|-------------|------------|
| Schematic  | Schematic1 |                     |      | Update Date | 2024-11-14 |
|  |            |                     |      | Create Date | 2023-12-22 |
| Page   | P1         |                     |      | Part Number |            |
| Drawed   |            | 小白机器人Newbot开源ROS机器人 |      |             |            |
| Reviewed   |            |                     |      |             |            |
|  |            |                     |      |             |            |
|  |            | VER                 | SIZE | PAGE        | 1 OF 2     |
|  |            | V1.0                | A4   | 嘉立创EDA      |            |

功放电路



UPS电路



|  |            |                     |      |             |            |
|--|------------|---------------------|------|-------------|------------|
| Schematic  | Schematic1 |                     |      | Update Date | 2024-11-14 |
|  |            |                     |      | Create Date | 2024-04-15 |
| Page   | P2         |                     |      | Part Number |            |
| Drawed   |            | 小白机器人Newbot开源ROS机器人 |      |             |            |
| Reviewed   |            |                     |      |             |            |
|  |            |                     |      |             |            |
|  |            | VER                 | SIZE | PAGE        | 2 OF 2     |
|  |            | V1.0                | A4   | 嘉立创EDA      |            |