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D

调试，接口

系统复位

扩展供电接口

OLED液晶接口

通用I/O接口

E2数据存储

按键和LED灯

|       |                     |           |
|-------|---------------------|-----------|
| Title |                     |           |
| Size  | Number              | Revision  |
| A3    |                     |           |
| Date: | 2021/11/9           | Sheet of  |
| File: | D:\桌面\Sheet1.SchDoc | Drawn By: |

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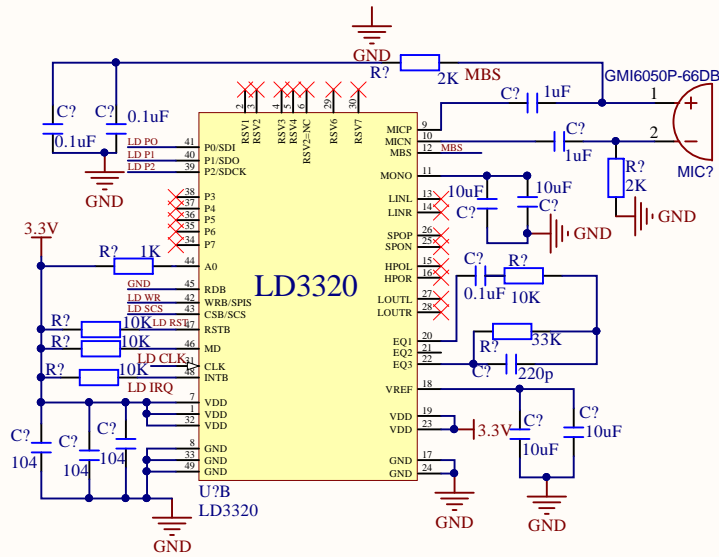
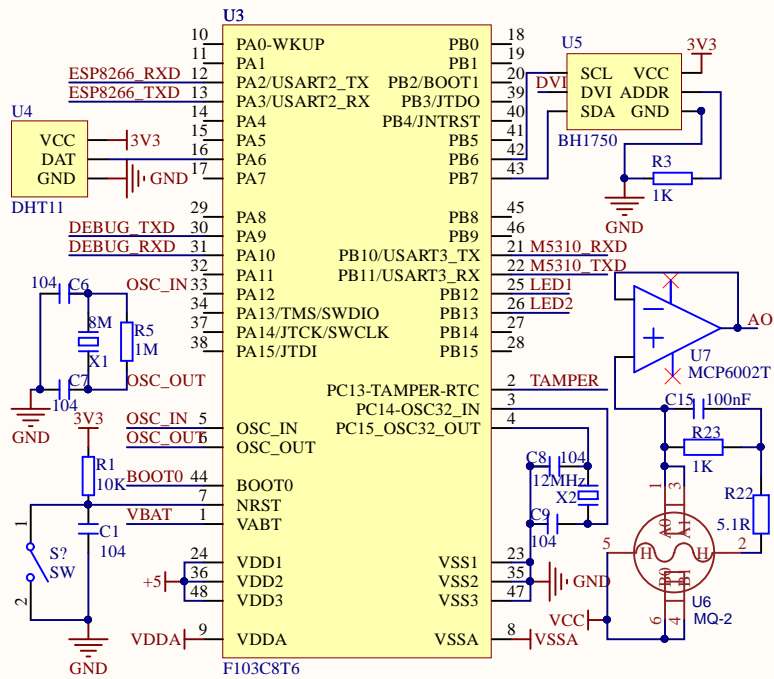
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| Comment       | Description   | Designator   | Footprint                      | LibRef        | Quantity |
|---------------|---------------|--|--------------------------------|---------------|----------|
| Id3320        | [NoValue], 语音 | [NoValue], U?  |                                | Id3320        | 2        |
| 104           | 无极性贴片电容       | C1, C2, C3, C4, C5, C6, C7, C8, C9, C10, C11, C12, C13, C14, C15 | 0603C                          | C             | 22       |
| 100nF         | 无极性贴片电容       | C15  | C 0805_L                       | C             | 1        |
| 0.1uF         | 无极性贴片电容       | C?   | C 0805_L                       | C             | 3        |
| 1uF           | 无极性贴片电容       | C?   | C 0805_L                       | C             | 2        |
| 10uF          | 无极性贴片电容       | C?   | C 0805_L                       | C             | 4        |
| 104           | 无极性贴片电容       | C?   | C 0805_L                       | C             | 3        |
| 220p          | 无极性贴片电容       | C?   | C 0805_L                       | C             | 1        |
| Header3X2     | 3*2P接插件       | JP1  | HDR2.54-LI-2x3P                | Header 3X2    | 1        |
| HDR-1X4       | 4P接插件         | JP2, JP6   | HDR2.54-LI-4P                  | Header 4      | 2        |
| HDR-1X8       | 8P接插件         | JP3  | HDR2.54-LI-8P                  | Header 8      | 1        |
| HDR-1X20      | 20P接插件        | JP4, JP5   | HDR2.54-LI-20P                 | Header 20     | 2        |
|               | 贴片LED         | LED1, LED2   | LED 0603G                      | LED-SMD       | 2        |
| GMI6050P-66DB |               | MIC?   | MIC-TH_BD6.0-P1.90-D0.4-L-RD   | GMI6050P-66DB | 1        |
| 10K           |               | R1, R3, R7   | R 0603_M                       | 普通电阻          | 4        |
| 510R          |               | R2, R8   | R 0603_M                       | 普通电阻          | 2        |
| 1K            |               | R3   | R 0603_M                       | 普通电阻          | 1        |
| 0R            |               | R4, R6   | R 0603_M                       | 普通电阻          | 2        |
| 1M            |               | R5   | R 0603_M                       | 普通电阻          | 2        |
| 500mA         |               | R9   | R 0603_M                       | 普通电阻          | 1        |
| 22R           |               | R10, R11   | R 0603_M                       | 普通电阻          | 2        |
| 1.5K          |               | R12  | R 0603_M                       | 普通电阻          | 1        |
| 5.1R          | 贴片电阻          | R22  | R 0805_L                       | R             | 1        |
| 1K            | 贴片电阻          | R23, R?  | R 0805_L                       | R             | 2        |
| 2K            | 贴片电阻          | R?   | R 0805_L                       | R             | 2        |
| 10K           | 贴片电阻          | R?   | R 0805_L                       | R             | 4        |
| 33K           | 贴片电阻          | R?   | R 0805_L                       | R             | 1        |
| SW            | 1路单刀船型开关      | S1, S2, S?   | TSW SMD-3*6*5                  | KCD1-101      | 3        |
| Raspberry     |               | U1   |                                | Raspberry     | 1        |
| F103C8T6      | IC            | U1, U3   | LQFP-48_M                      | STM32F103C8T6 | 2        |
| AT24C16       |               | U2   | SOP-8_L5.0-W4.0-P1.27-LS6.0-BL | AT24C16       | 1        |
| DHT11         |               | U4   |                                | DHT11         | 1        |
| BH1750        |               | U5   |                                | BH1750        | 1        |
| MQ-2          |               | U6   | SENSOR-TH_MQ-2                 | MQ-2          | 1        |
| MCP6002T      |               | U7   | R 0603_M                       | 普通电阻          | 1        |
| 79xx          | 线性稳压芯片        | V1   | SOT-223                        | 79xx          | 1        |
| 8M            | 2脚无源脚晶振       | X1   | OSC UM-5 -duplicate            | XTAL-2P       | 2        |
| 12MHz         | 2脚无源脚晶振       | X2   | OSC UM-5 -duplicate            | XTAL-2P       | 2        |