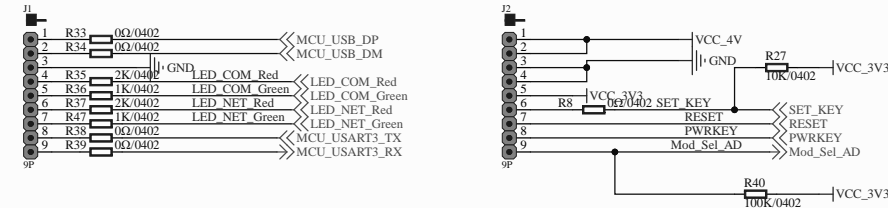


A

| 信号名称         | WiFi       | GPRS-2G    | Bluetooth  | ESP32      | 4G CAT1 |
|--------------|------------|------------|------------|------------|---------|
| Mod_TX       | UART_TX    | UART_TX    | --         | UART_TX    | UART_TX |
| Mod_RX       | UART_RX    | UART_RX    | --         | UART_RX    | UART_RX |
| Mod_IO_1_in  | --         | ON         | INT_BT     | --         |         |
| Mod_IO_1_out | RF         | STATUS     | Ctrl_BT    | --         |         |
| Mod_IO_2_out | SYS        | --         | Wake up_BT | --         | PIRKEY  |
| Mod_IO_res   | RESET      | --         | RESET      | RESET      | RESET   |
| Mod_Sel_AD   | Mod_SEL_AD | Mod_SEL_AD | Mod_SEL_AD | Mod_SEL_AD |         |
| Mod_IO_2_in  | --         | --         | State_BT   | --         |         |
| Mod_MOSI     | --         | --         | BT_MOSI    | --         |         |
| Mod_MISO     | --         | --         | BT_MISO    | --         |         |
| Mod_CLK      | --         | --         | BT_CLK     | --         |         |

A

B

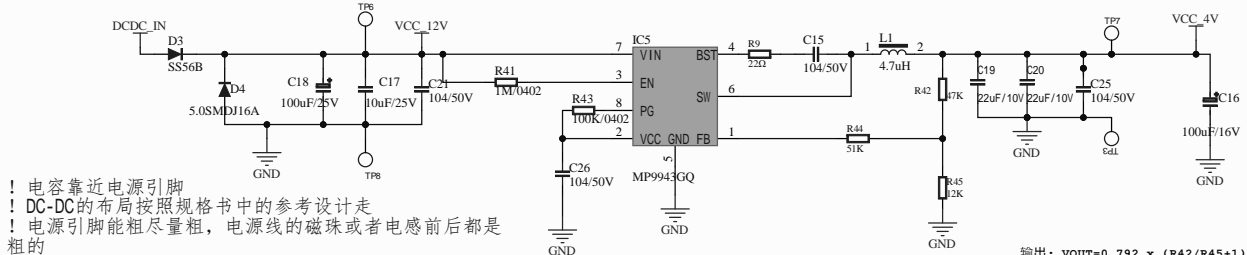


B

C

DC-DC 12V---4V

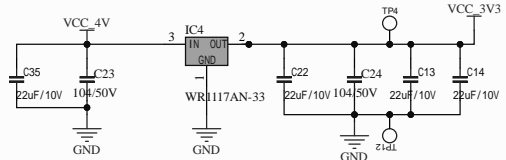
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C

D

DC-DC 4V---3.3V



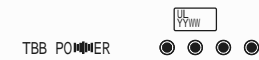
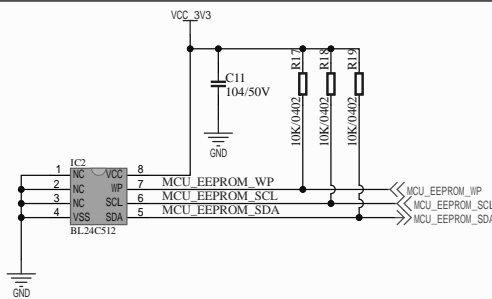
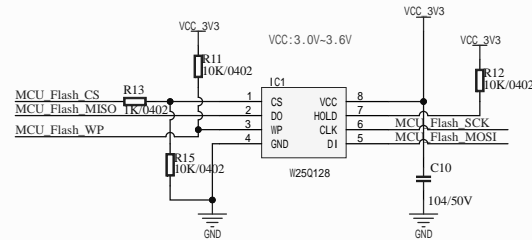
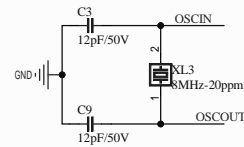
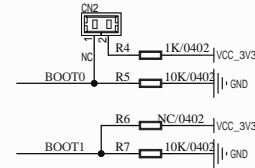
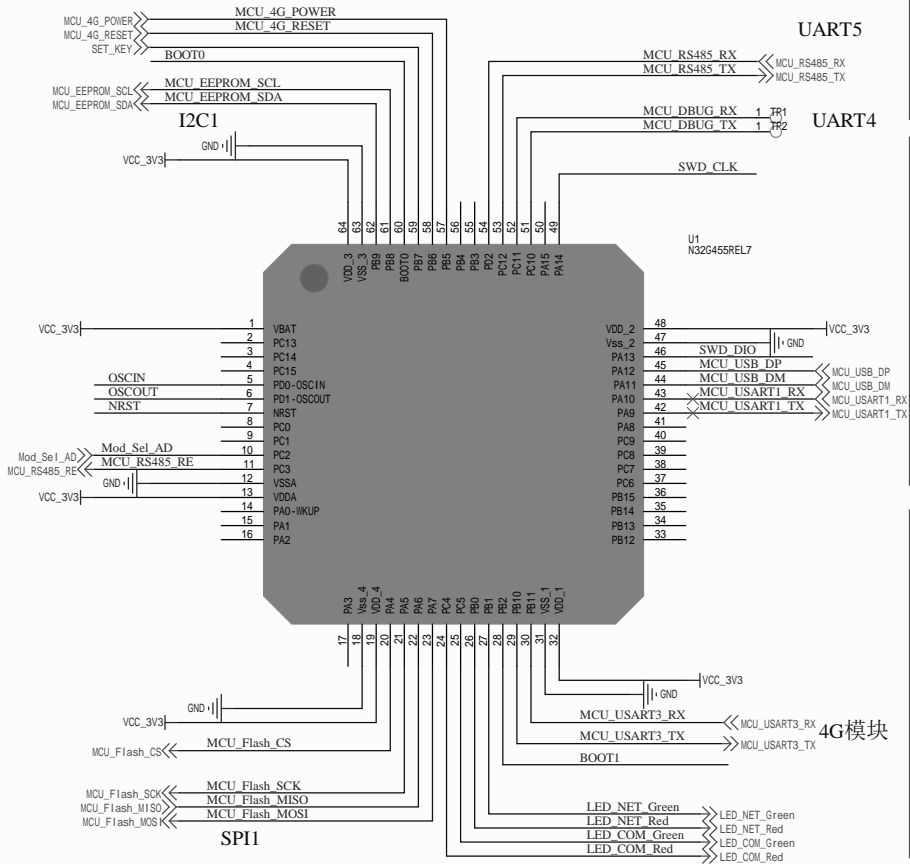
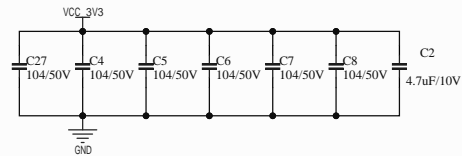
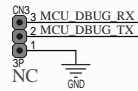
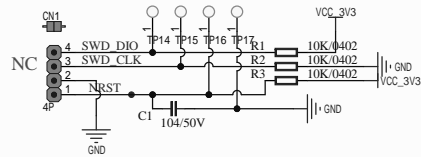
输入



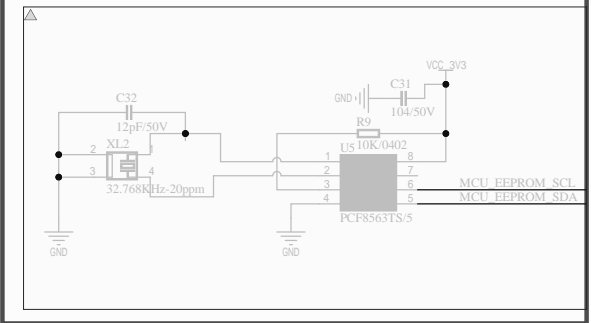
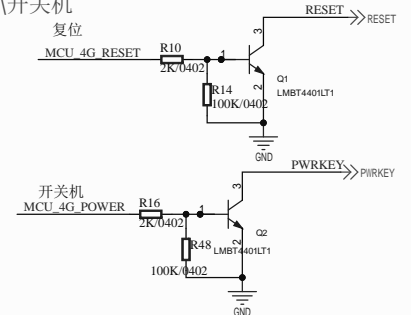
D

| Title |                           |           |
|-------|---------------------------|-----------|
| Size  | Number                    | Revision  |
| A3    |                           |           |
| Date: | 9/02/2025                 | Sheet of  |
| File: | E:\TBB\...\DTU_PWR.SchDoc | Drawn By: |

## SWD

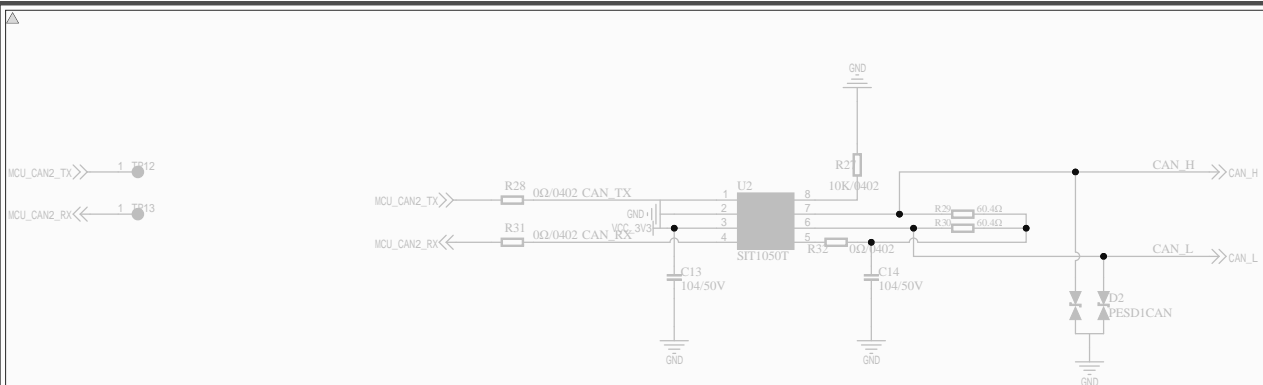
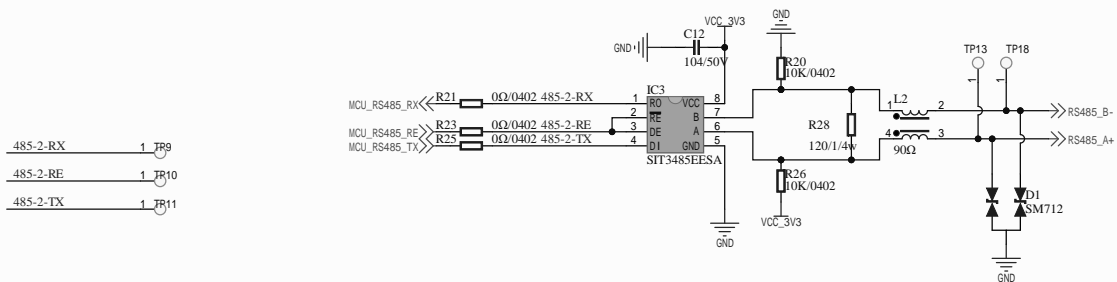


## 模块复位\开关机



|    |                |    |          |
|----|----------------|----|----------|
| 公司 | 厦门拓宝科技有限公司     |    |          |
| 文件 | DTU_MCU.SchDoc |    |          |
| 设计 | QJH            | 日期 | 2025/9/2 |
| 审核 | YSK            | A3 |          |
| 批准 | YSK            |    |          |

## RS485



|    |                      |    |   |
|----|----------------------|----|---|
| 公司 | 厦门拓宝科技有限公司           |    |   |
| 文件 | DTU_RS485_CAN_SchDoc |    |   |
| 设计 | QJH                  | 日期 | 2025/9/2  |
| 审核 | YSK                  | A3 | <br>TES POWER<br>Edited by:<br>TES POWER |
| 批准 | YSK                  |    |   |