



| Comment | Description | Designator | Footprint | Quantity |
|----------------|--|---|------------------|----------|
| BUZZER | Buzzer | BZ1 | BUZ_9MM | 1 |
| 100nF | 贴片电容 | C1, C2, C6, C8, C10, C12, C15, C16, C17, C18, C19, C20, C22, C24, C26, C28 | 0603_C | 16 |
| 10uF | 钽电容 | C3, C4, C25, C27 | CASE-A_3216 | 4 |
| 10uF | 贴片电容 | C5, C7, C9, C11 | 0603_C | 4 |
| 22pF | 贴片电容 | C13, C14 | 0603_C | 2 |
| 1uF | 贴片电容 | C21 | 0603_C | 1 |
| Cap Pol3 | Polarized Capacitor (Surface Mount) | C23 | SMD_220uF | 1 |
| B5819WS | 二极管 | D1, D2, D3, D10 | SOD-323 | 4 |
| 红灯 0603 | 发光二极管 | D4, D5, D6 | 0603_LED_S1 | 3 |
| 蓝灯 0603 | 发光二极管 | D8 | 0603_LED_S1 | 1 |
| 绿灯 0603 | 发光二极管 | D11, D12, D13 | 0603_LED_S1 | 3 |
| no_net | | hole1, hole2, hole3 | Screw_holes | 3 |
| SWD | | P1 | SMD_1.25T_4P | 1 |
| NRF24L01 | Header, 4-Pin, Dual row | P2 | HDR2X4 | 1 |
| CON1 | 油门微动 | P3 | SMD_1.25T_3P | 1 |
| VR1 | | P4 | SMD_1.25T_3P | 1 |
| VR2 | | P5 | SMD_1.25T_3P | 1 |
| VR3 | | P6 | SMD_1.25T_3P | 1 |
| VR4 | | P7 | SMD_1.25T_3P | 1 |
| CON2 | | P8 | SMD_1.25T_3P | 1 |
| CON3 | | P9 | SMD_1.25T_3P | 1 |
| Header_2P | | P10 | SMD_1.25T_2P | 1 |
| SA | | P11 | SMD_1.25T_3P | 1 |
| SB | | P12 | SMD_1.25T_3P | 1 |
| I2C | | P13 | SMD_1.25T_4P | 1 |
| CON4 | | P14 | SMD_1.25T_3P | 1 |
| Header_4P | | P15 | SMD_1.25T_4P | 1 |
| BAT_IN | | P16 | BAT_IN | 1 |
| L8050HRLT1G | 三极管 | Q1, Q7 | SOT-23(SOT-23-3) | 2 |
| AO3401 | MOS(场效应管) | Q2, Q6 | SOT-23-3L | 2 |
| SS8550 Y2 | 三极管 | Q3, Q4, Q8 | SOT-23(SOT-23-3) | 3 |
| SS8050 Y1 | 三极管 | Q5 | SOT-23(SOT-23-3) | 1 |
| 10KΩ | 贴片电阻 | R1, R2, R5, R10, R11, R15, R19, R21, R31, R32, R35, R36, R37, R38, R41, R42, R43, R47 | 0603_R | 18 |
| 20KΩ | 贴片电阻 | R6, R14, R18 | 0603_R | 3 |
| 12KΩ | 贴片电阻 | R7 | 0603_R | 1 |
| 2.2KΩ | 贴片电阻 | R8, R39 | 0603_R | 2 |
| 100Ω | 贴片电阻 | R9, R40 | 0603_R | 2 |
| 3.3KΩ | 贴片电阻 | R12, R16 | 0603_R | 2 |
| 6.8KΩ | 贴片电阻 | R13, R17 | 0603_R | 2 |
| 1KΩ | 贴片电阻 | R20, R22, R30, R46 | 0603_R | 4 |
| 470Ω | 贴片电阻 | R24, R26, R27, R28, R48, R49, R50 | 0603_R | 7 |
| 2.2Ω | 贴片电阻 | R29 | 0603_R | 1 |
| 200KΩ | 贴片电阻 | R33 | 0603_R | 1 |
| 100KΩ | 贴片电阻 | R34 | 0603_R | 1 |
| 4.7KΩ | 贴片电阻 | R44, R45 | 0603_R | 2 |
| SW-PB | Switch | S1, S2, S3, S4 | SMD_KEY_6MM | 4 |
| SW-PB | Switch | S5 | SMD_KEY_4P | 1 |
| STM32F103C8T6 | ARM Cortex-M3 32-bit MCU, 64 KB Flash, 20 KB Internal RAM, 37 I/Os, 48-pin LQFP, - 40 to 85 degC, Tray | U1 | STM-LQFP48_N | 1 |
| E104-BT02-V1.0 | | U2 | PE104-BT02 | 1 |
| AMS1117-3.3 | 低压差线性稳压(LDO) | VR1, VR2 | SOT-223 | 2 |
| XTAL-8M | Crystal | X1 | XTAL_N | 1 |