



| Comment | Description | Designator | Footprint | LibRef | Quantity |
|--------------------------------|--------------------|--|----------------------|--|----------|
| 10uF | Capacitor | C1, C2 | TANCAP | CAPACITOR POL | 2 |
| 10uF (106) 10% 10V | 贴片电容 | C3 | 0603_C | 0603 10uF (106) 10% | 1 |
| 100nF (104) 10% 50V | 贴片电容 | C4, C5, C6, C7, C8, C9, C10, C11, C12, C13, C18, C19, C20, C21, C22, C26, C27, C30 | 0603_C | 0603 100nF (104), 0603 100nF (104) 10% | 18 |
| 10pF (100) 5% 50V | 贴片电容 | C14, C15 | 0603_C | 0603 10pF (100) 5% | 2 |
| 22pF (220) 5% 50V | 贴片电容 | C16, C17 | 0603_C | 0603 22pF (220) 5% | 2 |
| 104 | 贴片电容 | C23 | 0603_C | 0 | 1 |
| 100uF (D) | 贴片电容 | C24 | 7343 | 0 | 1 |
| 10uF (106) 10% 10V | 贴片电容 | C25 | TanCap | 0603 10uF (1 | 1 |
| 33pF (330) 5% 50V | 贴片电容 | C31, C32, C33 | 0603_C | 0603 33pF (330) 5% | 3 |
| SMB6V1A | TVS | D1 | 1206 | SMBJ | 1 |
| 1N4148WS T4 | 二极管 | D2, D3 | SOD-323 | SOD-323 1N | 2 |
| | 发光二极管 | G_L, LED1, LED2 | 0603_LED_S1 | 0, 0603 红灯 | 3 |
| Header 3 | Header, 3-Pin | HST_D, UART1, UART4 | HDR1X3 | Header 3 | 3 |
| Header 3 | Header, 3-Pin | IPX | IPX | Header 3 | 1 |
| IPEX | IPEX座 | IPX2 | IPEX | IPEX | 1 |
| Header 2 | Header, 2-Pin | L_HAN, L_OFF, L_ON, mot, R_BEL, R_L | COM2 | Header 2 | 6 |
| Header 2 | Header, 2-Pin | Moto, P_6V | HEAD2L-0.8 | Header 2 | 2 |
| SS8050 Y1 | 三极管 | Q1, Q2, Q3, Q4, Q5 | SOT-23(SOT-23-3) | SOT-23 SS | 5 |
| Res3 | Resistor | R1 | AXIAL-0.3 | Res3 | 1 |
| 1K | Resistor | R2 | AXIAL-0.3 | Res3 | 1 |
| 100K Ω (1003) $\pm 1\%$ | 贴片电阻 | R3 | 0603_R | 0603 100K Ω (100 | 1 |
| 43K Ω (4302) $\pm 1\%$ | 贴片电阻 | R4 | 0603_R | 0603 43K Ω (430 | 1 |
| 470 Ω (4700) $\pm 1\%$ | 贴片电阻 | R5 | 0603_R | 0603 470 Ω (470 | 1 |
| 1K Ω (1001) $\pm 1\%$ | 贴片电阻 | R6, R7, R13, R15, R28, R33, R34 | 0603_R | 0603 1K Ω (100 | 7 |
| 10K Ω (1002) $\pm 1\%$ | 贴片电阻 | R8, R9, R10, R11, R12, R14, R27, R30 | 0603_R | 0603 10K Ω (100 | 8 |
| | 贴片电阻 | R16, R21, R22, R39, R40 | 0603_R | 0603, 0603 4.7K Ω (470 | 5 |
| 1.5K Ω (1501) $\pm 1\%$ | 贴片电阻 | R17 | 0603_R | 0603 1.5K Ω (150 | 1 |
| 0 Ω (0R0) $\pm 1\%$ | 贴片电阻 | R18, R19, R20, R35, R36 | 0603_R | 0603 0 Ω (0R | 5 |
| 510 Ω (5100) $\pm 1\%$ | 贴片电阻 | R23 | 0603_R | 0603 510 Ω (510 | 1 |
| 510R | | R24, R25 | 0603_R | R | 2 |
| 120 Ω (1200) $\pm 1\%$ | 贴片电阻 | R26 | 0603_R | 0603 120 Ω (120 | 1 |
| 22 Ω (22R0) $\pm 1\%$ | 贴片电阻 | R37, R38, R41 | 0603_R | 0603 22 Ω (22R | 3 |
| DED-T78-DC5VH-CS | | RELAY1, RELAY2, RELAY3 | SRA-05VDC-CL | DED-T78-DC5VH-CS | 3 |
| Header 4 | Header, 4-Pin | SWD, UART2 | HDR1X4 | Header 4 | 2 |
| AMS1117-3.3 | | U2 | AMS1117 | AMS1117 | 1 |
| MIC2930BU | | U3 | | MIC2930BU | 1 |
| 24C02 | | U4 | SOP-8 | 24C256 | 1 |
| STM32F103RCT6 | | U5 | LC-LQFP-64_10x10x05P | STM32 | 1 |
| SkyTra_S1216F8-BD | | U6 | GPS_NEO-6 | SkyTra_GPS | 1 |
| G3524 | | U7 | PCBComponent_1 | Component_1 | 1 |
| Micro SIM | | U8 | Micro SIM | Micro SIM | 1 |
| SMF05C | TVS | U9 | SMF05C | SMF05C | 1 |
| 32.768KHz | Crystal Oscillator | Y1 | XTAL32 | XT | 1 |
| 12MHz | Crystal Oscillator | Y2 | XTAL_US | XT | 1 |
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