



| Comment | Description | Designator | Footprint | LibRef | Quantity |
|-----------------------|------------------------|---|-----------------------------------|-------------------------|----------|
| 100nF(104) 10% 50V | 贴片电容 | C1, C2, C5, C6, C7, C9, C11, C13, C15, C16, C17, C18, C26, C29, C31 | LC-0805_C | 0805 100nF(104) 10% 50V | 15 |
| 22uF (226) 5% 50V | 贴片电容 | C3, C4 | LC-0805_C | 0805 22pF (220) 5% 50V | 2 |
| 10uF (106) 10% 25V | 贴片电容 | C8 | LC-0805_C | 0805 10uF (106) 10% 25V | 1 |
| 10uF(106) 10% 50V | 贴片电容 | C10, C12 | LC-0805_C | 0805 100nF(104) 10% 50V | 2 |
| 2.2nF 10% 50V | 贴片电容 | C14 | LC-0805_C | 0805 100nF(104) 10% 50V | 1 |
| 10P | | C19, C20 | LC-0805_C | CAP | 2 |
| 0.1uF | Capacitor | C21, C22, C23, C24 | LC-0805_C | CAP | 4 |
| 10uF/16V | Electrolytic Capacitor | C25 | LC-0805_C | ELECTRO1 | 1 |
| 22pF | Capacitor | C27, C28 | LC-0805_C | CAP | 2 |
| 22uF(226) 10% 50V | 贴片电容 | C30 | CD B(3528) | 0805 100nF(104) 10% 50V | 1 |
| SS34 | 肖特基二极管 | D1, D4 | SMA | SS34 | 2 |
| LED R | | D2, D3, D5, D6 | LED0805G | LED | 4 |
| ITR8307/S17/TR8(B) | | D7, D8, D9, D10, D11 | OPTO-SMD_ITR8307-S17-TR8-B-BL | ITR8307/S17/TR8(B) | 5 |
| BAT | jointbar | J1 | XH2.54-LI-2P | SIP2 | 1 |
| SIP3 | jointbar | J2 | HDR2.54-WI-3P | SIP3 | 1 |
| Motor1 | jointbar | J3 | CONN-TH_1.25T-2A_1.25T-2A | SIP2 | 1 |
| Motor2 | jointbar | J4 | CONN-TH_1.25T-2A_1.25T-2A | SIP2 | 1 |
| HDR-1X7 | 7P接插件 | JP1 | HDR2.54-M-LI-7P | Header 7 | 1 |
| 3.3uH | 小功率贴片电感 | L1 | IND-SMD_L4.6-W4.1 | L | 1 |
| Bell | Electrical Bell | LS1 | BELL | Bell | 1 |
| SI2301 | P沟道场效应管 | Q1 | SOT23 | SI2301 | 1 |
| NPN_L | | Q2 | SOT-23_S8050 | NPN_L | 1 |
| 88K7Ω (88.7K) ±1% | 贴片电阻 | R1 | LC-0805_R | 0805 1KΩ (1001) 1% | 1 |
| 10KΩ (103) ±1% | 贴片电阻 | R2, R10, R15, R19, R27, R28, R32, R33, R34, R38, R41, R44, R45 | LC-0805_R | 0805 1KΩ (1001) 1% | 13 |
| 12KΩ (123) ±1% | 贴片电阻 | R3 | LC-0805_R | 0805 1KΩ (1001) 1% | 1 |
| 1KΩ (1001) ±1% | 贴片电阻 | R4, R6, R12, R14, R20 | LC-0805_R | 0805 1KΩ (1001) 1% | 5 |
| 20KΩ (223) ±1% | 贴片电阻 | R5 | LC-0805_R | 0805 1KΩ (1001) 1% | 1 |
| 10KΩ (1002) ±1% | 贴片电阻 | R7 | LC-0805_R | 0805 10KΩ (1002) 1% | 1 |
| 4K7Ω (472) ±1% | 贴片电阻 | R8, R9, R16 | LC-0805_R | 0805 1KΩ (1001) 1% | 3 |
| 100R | 贴片电阻 | R11, R13, R17 | LC-0805_R | 0805 1KΩ (1001) 1% | 3 |
| 0R | | R18, R46 | LC-0805_R | RES | 2 |
| 330Ω (331) ±1% | 贴片电阻 | R21, R22, R23, R36, R37 | LC-0805_R | 0805 1KΩ (1001) 1% | 5 |
| 75KΩ (753) ±1% | 贴片电阻 | R24, R25, R26, R39, R40 | LC-0805_R | 0805 1KΩ (1001) 1% | 5 |
| 5.1KΩ (512) ±1% | 贴片电阻 | R29, R30, R31, R42, R43 | LC-0805_R | 0805 1KΩ (1001) 1% | 5 |
| 1M | | R35 | LC-0805_R | RES2 | 1 |
| SW_2 | | S1, S2, S3 | TSW SMD-3*6*2.5 | SW_2 | 3 |
| SK12D07VG3 | | SW1 | SW-TH_SK-12D07-VG3 | SK12D07VG6 | 1 |
| CH340N | | U1 | SOP8 | CH340N | 1 |
| JDY-23A | | U2 | JDY-23A | JDY-23A | 1 |
| PW5300 | | U3 | SOT23-6L | PW5300 | 1 |
| MPU-6050_C24112 | | U4 | QFN24 | MPU-6050_C24112 | 1 |
| XC6206 | | U5, U6 | SOT-23_TL431 | XC6206 | 2 |
| WS2812B-B | | U7, U9 | LED-SMD_4P-L5.0-W5.0-TL_WS2812B-B | WS2812B-B | 2 |
| STM32F103C8T6 | | U8 | STM32F103C8T6_IOP48 | STM32F103C8T6 | 1 |
| TB6612FNG,C,8,EL | | U10 | SSOP24 | TB6612FNG,C,8,EL | 1 |
| TYPE-C 16PIN 2MD(073) | | USB1 | USB-C-SMD_TYPE-C-6PIN-2MD-073 | TYPE-C 16PIN 2MD(073) | 1 |
| 32.768K | 晶振 | Y1 | OSC-3x10-WI-A | CRYSTAL | 1 |
| 8MHz | Crystal | Y2 | OSC HC-49S | XTAL | 1 |