





| Comment        | Description    | Designator                   | Footprint       | LibRef        | Quantity |
|----------------|----------------|------------------------------|-----------------|---------------|----------|
| 220uF±20%/16V  | Capacitor      | C1                           | CD0.15          | CAPACITOR POL | 1        |
| 22uF±20%/16V   | Capacitor      | C2, C3                       | 钽电容B3528        | CAPACITOR POL | 2        |
| 0.1uF±20%/50V  | Capacitor      | C4                           | C0603           | CAP           | 1        |
| 0.1uF±20%/16V  | Capacitor      | C5, C6, C7, C8               | C0603           | CAP           | 4        |
| 22uf           | 无极性贴片电容        | C9, C10, C11, C12, C13, C14  | C 0805          | C             | 6        |
| SS210          | Diode          | D1                           | SMA(DO-214AC)   | Diode1        | 1        |
| SMBJ05CA       | Schottky Diode | D2                           | SMB(DO-214AA)   | D Schottky    | 1        |
| VS1838B        | 红外接收头          | HR1                          | VS1838B-B       | VS1838B       | 1        |
| CON10          | Connector      | J1                           | HDR1X10Z        | CON10         | 1        |
| CON8           | Connector      | J2, J3, J5                   | HDR1X8Z         | CON8          | 3        |
| CON6           | Connector      | J4                           | HDR1X6Z         | CON6          | 1        |
| KF301-3P       | Connector      | J6, J7                       | SIP3 - 2.54     | CON3          | 2        |
| HDR-1X2        | 2P接插件          | JP1                          | XH2.54-2P_H     | Header 2      | 1        |
| HDR-1X4        | 4P接插件          | JP2, JP3                     | HDR-1X4_M       | Header 4      | 2        |
| HDR-1X3        | 3P接插件          | JP4, JP5                     | HDR-1X3_M       | Header 3      | 2        |
| 10um           | 贴片功率电感         | L1                           | CD54            | L-CD          | 1        |
| LED            |                | LED1, LED2, LED3             | LED0805_1       | LED           | 3        |
| 蓝色             | 贴片LED          | LED4, LED5, LED6, LED7       | LED 0805B       | LED-SMD       | 4        |
| 红色             | 5mm插件LED       | LED8                         | LED 5MM-B       | LED-5MM       | 1        |
| S8050          | NPN Transistor | Q1                           | SOT-23-NPN      | NPN           | 1        |
| SS8050         | 高频放大-NPN型      | Q2                           | SOT23-3N        | 8050-SMD      | 1        |
| 1K±5%          |                | R1, R2                       | R0603           | RES5          | 2        |
| 2K±5%          |                | R3, R4, R5                   | R0603           | RES5          | 3        |
| NC/OR          |                | R6                           | R0603           | RES5          | 1        |
| 1R±5%          |                | R7, R8                       | R0603           | RES5          | 2        |
| 0.5R           | 贴片电阻           | R9                           | R 0805          | R             | 1        |
| 10K            | 贴片电阻           | R10                          | R 0805          | R             | 1        |
| 0R             | 贴片电阻           | R11, R12, R13, R14, R16, R18 | R 0603          | R             | 6        |
| 220R           | 贴片电阻           | R15, R19                     | R 0603          | R             | 2        |
| 10K            | 贴片电阻           | R17                          | R 0603          | R             | 1        |
| 3x6x5          | 3x6轻触开关        | S1, S2, S3, SW1              | TSW SMD-3*6*2.5 | TSW 3x6       | 4        |
| GM1117-3.3ST3T |                | U1                           | SOT-223         | GM1117        | 1        |
| WIFI_BLE_CBU   | Module         | U2                           | WIFI_BLE_CBU    | WIFI_BLE_CBU  | 1        |
| IP5306         | 锂电池充放电管理芯片     | U3                           | 5306            | IP5306        | 1        |
| OLED 0.96 I2C  | OLED 0.96 I2C  | U4                           | OLED 0.96 I2C   | OLED 0.96 I2C | 1        |
| NRF24L01       | 2.4G无线模块       | U5                           | NRF24L01        | NRF24L01      | 1        |
| USB-5P         | 微型USB母座        | USB1                         | USB-MICRO_B     | USB-5P        | 1        |