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| --- | --- | --- | --- | --- | --- | --- |
| Designator | Footprint | Value | Manufacturer Part | Manufacturer | Supplier Part | Supplier |
| BUZZER1 | BUZ-TH\_BD9.6-P5.00-D0.7-FD | 3kHz | HNB09A05 | 华能 | C96493 | LCSC |
| C1,C2,C3 | C1206 | 22uF | 1206X226M250NT | FH(风华) | C2858005 | LCSC |
| C4 | C0603 | 10nF | 0603B103K500NT | FH(风华) | C57112 | LCSC |
| C5,C22 | C0805 | 100nF | CC0805KRX7R8BB104 | YAGEO(国巨) | C519981 | LCSC |
| C6 | C0402 | 100nF | 0402B104K250NT | FH(风华) | C56392 | LCSC |
| C7 | C0402 | 4.7nF | 0402B472K500NT | FH(风华) | C1538 | LCSC |
| C21 | C0603 | 10uF | CL10A106KP8NNNC | SAMSUNG(三星) | C19702 | LCSC |
| C23,C24,C25,C26 | C0402 | 100nF | CC0402KRX7R9BB104 | YAGEO(国巨) | C131394 | LCSC |
| CN1 | CONN-TH\_XT30PW-M |  | XT30PW-M | AMASS(艾迈斯) | C431092 | LCSC |
| D1 | SMA\_L4.3-W2.6-LS5.2-RD |  | B340A | MDD | C64982 | LCSC |
| D2 | SOD-323\_L1.8-W1.3-LS2.5-RD |  | B5819WS | CJ(江苏长电/长晶) | C22624 | LCSC |
| DC | SOIC-8\_L4.9-W3.9-P1.27-LS6.0-BL-EP3.4 |  | SGM6132YPS8G/TR | SGMICRO(圣邦微) | C87095 | LCSC |
| F1 | F2920 |  | BSMD2920-500-16V | BHFUSE(佰宏) | C910846 | LCSC |
| GREEN | LED0603-RD\_1 |  | NCD0603G1 | 国星光电 | C84267 | LCSC |
| H4 | HDR-TH\_4P-P2.54-V-F |  |  |  | C2718488 |  |
| H5 | HDR-TH\_2P-P2.54-V-F |  |  |  | C49661 |  |
| KEY1 | SW-SMD\_L3.9-W3.0-P4.45 |  | KEY1 | XUNPU(讯普) | C720477 | LCSC |
| KEY2 | SW-SMD\_L3.9-W3.0-P4.45 |  | KEY2 | XUNPU(讯普) | C720477 | LCSC |
| KEY3 | SW-SMD\_L3.9-W3.0-P4.45 |  | KEY3 | XUNPU(讯普) | C720477 | LCSC |
| L1 | IND-SMD\_L7.0-W6.6 | 6.8uH | MWSA0603S-6R8MT | Sunlord(顺络) | C408449 | LCSC |
| M1,M2 | PH2.0-6 |  |  |  |  |  |
| MPU6050 | MPU6050模块 |  |  |  |  |  |
| POWER | LED0603-FD |  | YLED0603R | YONGYUTAI(永裕泰) | C19171390 | LCSC |
| PWM1 | HDR-TH\_3P-P2.54-V-M |  | S1 | XFCN(兴飞) | C2937625 | LCSC |
| PWM2 | HDR-TH\_3P-P2.54-V-M |  | S2 | XFCN(兴飞) | C2937625 | LCSC |
| PWM3 | HDR-TH\_3P-P2.54-V-M |  | S3 | XFCN(兴飞) | C2937625 | LCSC |
| Q1,Q2,Q3,Q4 | SOT-23-3\_L2.9-W1.3-P1.90-LS2.4-BR |  | SI2302 | Hottech(合科泰) | C181087 | LCSC |
| R1 | R0402 | 52.3kΩ | 0402WGF5232TCE | UNI-ROYAL(厚声) | C26982 | LCSC |
| R2 | R0402 | 15kΩ | 0402WGF1502TCE | UNI-ROYAL(厚声) | C25756 | LCSC |
| R3,R4,R29,R34,R37 | R0402 | 10kΩ | 0402WGF1002TCE | UNI-ROYAL(厚声) | C25744 | LCSC |
| R26,R28,R31,R33,R36 | R0402 | 510Ω | 0402WGF5100TCE | UNI-ROYAL(厚声) | C25123 | LCSC |
| R27,R39,R40,R41 | R0402 | 4.7kΩ | 0402WGF4701TCE | UNI-ROYAL(厚声) | C25900 | LCSC |
| R32,R35,R38 | R0603 | 180Ω | FRC0603J181 TS | FOJAN(富捷) | C2907110 | LCSC |
| RED | LED0603-RD\_RED |  | NCD0603R1 | 国星光电 | C84263 | LCSC |
| TB6612 | TB6612FNG |  |  |  |  |  |
| TV1 | SMB\_L4.6-W3.6-LS5.3-RD |  | SMBJ24A | Brightking(君耀电子) | C87268 | LCSC |
| U1 | HDR-TH\_50P-P2.54-V-F-R2-C25-S2.54-1 |  | JP1 | Megastar(兆星) | C7499355 | LCSC |
| U2 | HDR-TH\_50P-P2.54-V-F-R2-C25-S2.54-1 |  | JP2 | Megastar(兆星) | C7499355 | LCSC |
| U3 | SW-TH\_SS-12M12G5 |  | SS-12M12G5 | XKB Connectivity(中国星坤) | C2884789 | LCSC |
| YELLOW | LED0603-RD |  | NCD0603Y1 | 国星光电 | C84268 | LCSC |
| 备用串口接口,蓝牙模块接口,视觉模块接口 | CONN-SMD\_A1257WR-S-4P |  | A1257WR-S-4P | CJT(长江连接器) | C225127 | LCSC |