**元器件清单**

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| **编号** | **名称** | **规格** | **说明** | | **数量** | | **单价** | | **总数** | | **总价** |
| 01 | R1、R2、R3、R4  R5、R6、R7、R8 | 100 | 电阻 | | 8 | | 0.02 | | 400 | | 8 |
| 02 | R9、R10、R11、R12  R13、R14、R15、R16 | 10K | 电阻 | | 8 | | 0.02 | | 400 | | 8 |
| 03 | R17、R18 | 100K | 电阻 | | 2 | | 0.02 | | 100 | | 2 |
| 04 | R19、R21、R22、R24 | 1K | 电阻 | | 4 | | 0.02 | | 200 | | 4 |
| 05 | R20、R23 | 10M | 电阻 | | 2 | | 0.02 | | 100 | | 2 |
| 06 | R25 | 10K | 电阻 | | 1 | | 0.02 | | 50 | | 1 |
| 07 | C1 | 10uf | 电解电容 | | 1 | | 0.03 | | 50 | | 1.5 |
| 08 | C2、C3、C5（不焊） | 0.1uf | 104瓷片电容 | | 3 | | 0.01 | | 150 | | 1.5 |
| 09 | C4（不焊） | 47uf | 电解电容 | | 1 | | 0.03 | | 50 | | 1.5 |
| 10 | L1、L2 | 47mh | 电感 | | 2 | | 0.35 | | 100 | | 35 |
| 11 | U1 | STC15F408AD | SOP28 | | 1 | | 3.2 | | 50 | | 160 |
| 12 | U2 | LM358 | SOP8 | | 1 | | 0.58 | | 50 | | 29 |
| 13 | D1~D8 | IR-LED | 红外发射管 | | 8 | | 0.12 | | 400 | | 48 |
| 14 | D9~D16 | PS-LED | 红外接收管 | | 8 | | 0.17 | | 400 | | 68 |
| 15 | D17~D48 | 草帽LED | 高亮白色 | | 32 | | 0.05 | | 1600 | | 80 |
| 16 | D49~D56 | 食人鱼LED | 高亮蓝色 | | 8 | | 0.25 | | 400 | | 100 |
| 17 | Q1、Q2、Q3、Q4  Q5、Q6、Q7、Q8 | 9013 | 三极管 | | 8 | | 0.03 | | 400 | | 12 |
| 18 | P1、P2 | 8P弯排针 | 公头 | | 2 | | 0.19 | | 100 | | 19 |
| 19 | P3、P4 | 8P弯排母 | 母头 | | 2 | | 0.1 | | 100 | | 10 |
| 20 | P5 | 2P直排针 | -- | | 1 | | 0.01 | | 50 | | 0.5 |
| 21 | P6 | 4P直排针 | -- | | 1 | | 0.05 | | 50 | | 2.5 |
| 22 | P7（不焊） | 接线端子 | 栅栏式8.5mm | | 1 | | 0.3 | | 20 | | 6 |
| 23 | S1 | 6\*6\*5按键 | 微动开关 | | 1 | | 0.1 | | 50 | | 5 |
| 24 | PCB | 10cm\*20cm | 电路板 | | 1 | | 12 | | 50 | | 600 |
| **合计** | | | | |  | | 17.69 | |  | | 1204.5 |
| **额外材料** | | | | | | | | | | | |
| **编号** | **名称** | **规格** | **说明** | **数量** | | **单价** | | **总数** | | **总格** | |
| 01 | 开关电源 | 5V 40A 200W | 直流 | 1 | | 34 | | 1 | | 34 | |
| 02 | 硅胶线1 | 16AWG | 红色 | 1m | | 3 | | 3 | | 9 | |
| 03 | 硅胶线2 | 16AWG | 黑色 | 1m | | 3 | | 3 | | 9 | |
| 04 | 硅胶线3 | 18AWG | 蓝色 | 1m | | 2.2 | | 3 | | 6.6 | |
| 05 | 硅胶线4 | 18AWG | 红色 | 1m | | 2.2 | | 1 | | 6.6 | |
| 06 | 冷压接线端子 | UT2.5-3 | 叉形裸端子 | 50 | | 0.1 | | 50 | | 5 | |
| **合计** | | | | | | | | | | 70.2 | |