

Five-Pointed DIY Kit

1. Introduction

It is an LED flashing DIY kit, issued a dazzling color, if it is with the music together, the audio-visual effect will be better.

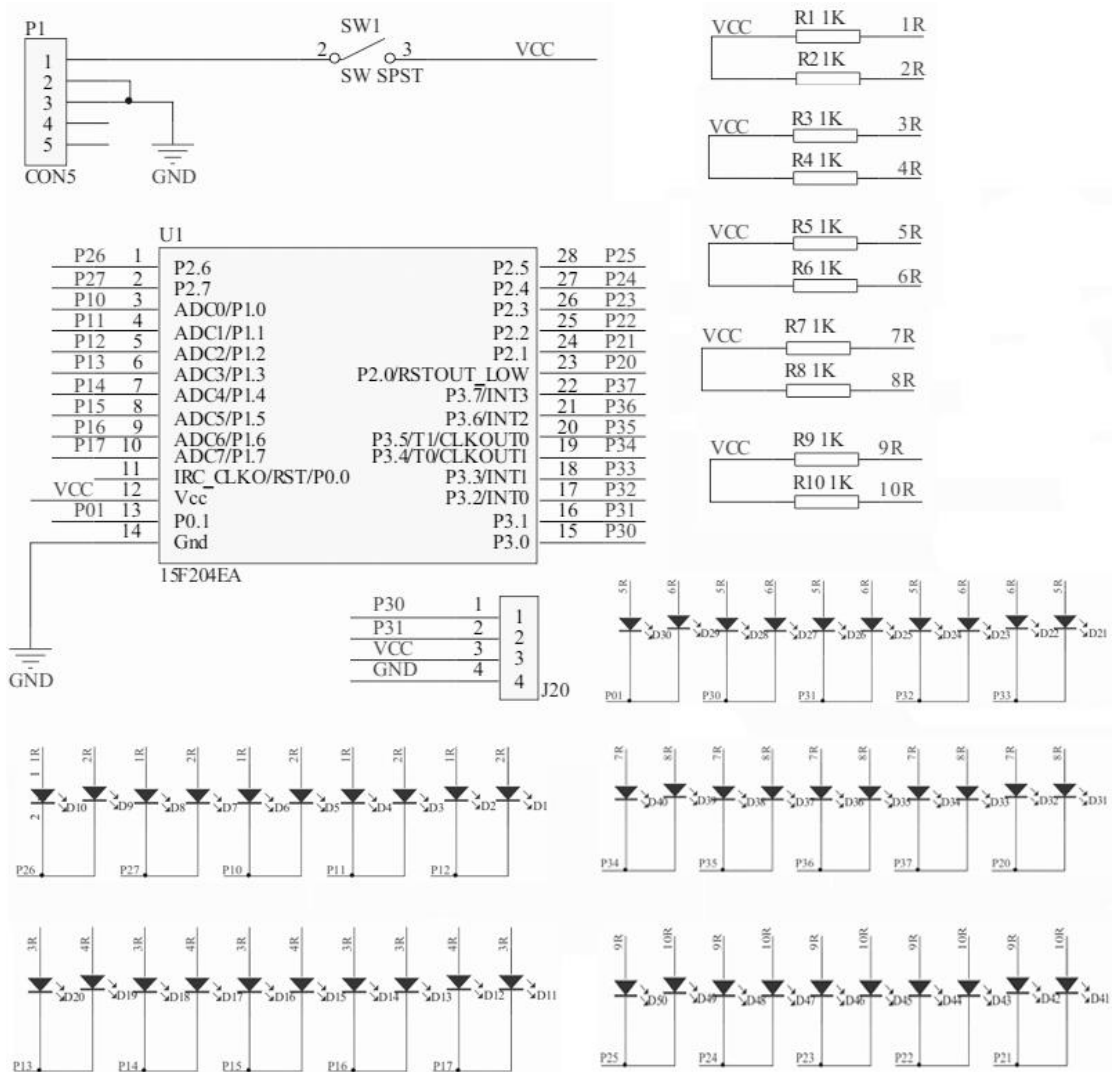
2. Parameter

| NO. | Parameter | Value |
|-----|--------------------|---------------------------------|
| 1 | Operating Voltage | DC 4.5V-5V |
| 2 | Power supply mode | 3pcs AA battery or USB charger; |
| 3 | PCB Size | 82*90mm; |
| 4 | PCB Material | 1.6mm RF-4 |
| 5 | Acrylic Shell Size | 30*100*105mm |

3. Warm tips

This is the delivery suite of parts, you need welding installation. SCM has written procedures, successfully tested.

4. Schematic



5.Component listing

| NO. | Component Name | PCB Marker | Parameter | QTY |
|-----|---------------------|------------|-----------|-----|
| 1 | RGB LED | D1-D50 | 5mm | 50 |
| 2 | Metal Film Resistor | R1-R10 | 1K | 10 |
| 3 | Self-Locking Switch | SW1 | | 1 |
| 4 | IC Socket | U1 | DIP-28 | 1 |
| 5 | STC15F204EA | U1 | DIP-28 | 1 |
| 6 | Micro USB | P1 | SMD | 1 |
| 7 | Male Pin | J20 | 4P | 1 |
| 8 | PCB | | 82*90mm | 1 |
| 9 | Acrylic Shell | | | 6 |
| 10 | Copper Pillar | | M3*10 | 4 |
| 11 | M3*6 Screw | | 3mm | 8 |

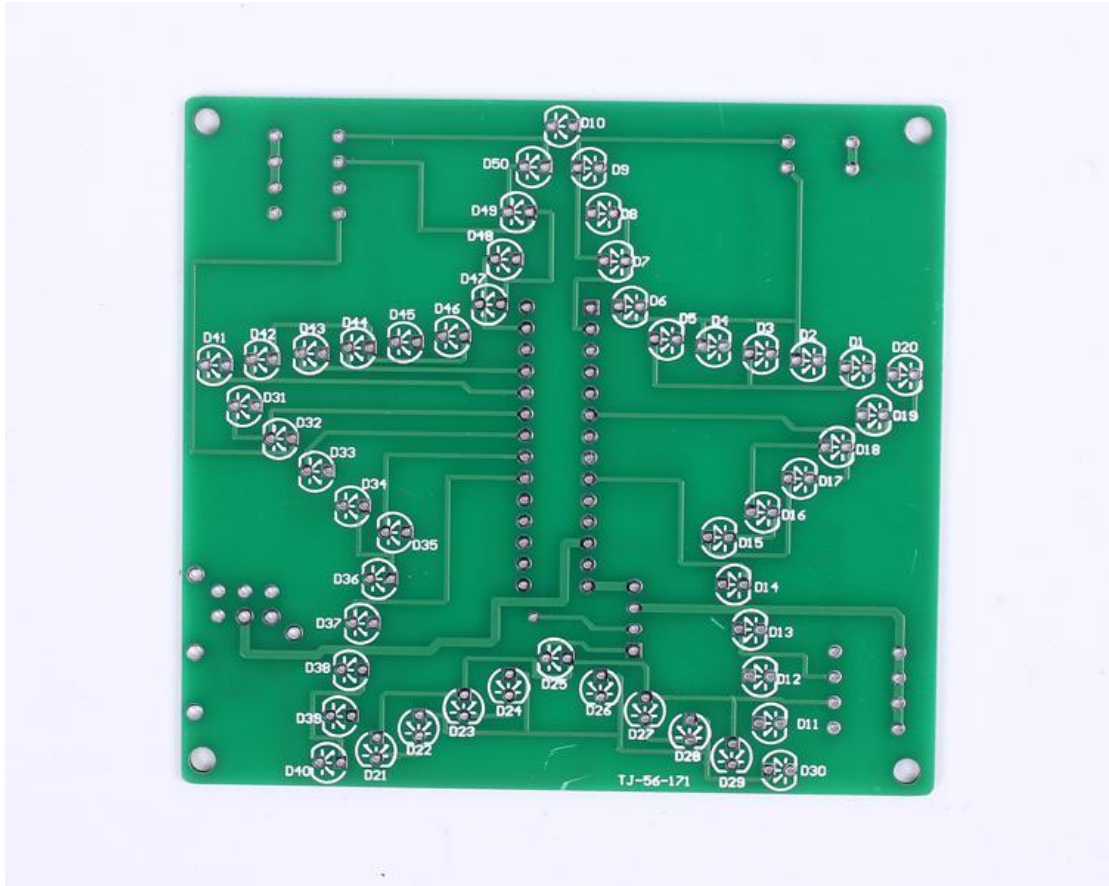
| | | | | |
|----|-------------|--|-----|----|
| 12 | M2*10 Screw | | 2mm | 11 |
| 13 | M2 Nut | | 2mm | 11 |

NOTE:Users can complete the installation by PCB silk screen and component listing

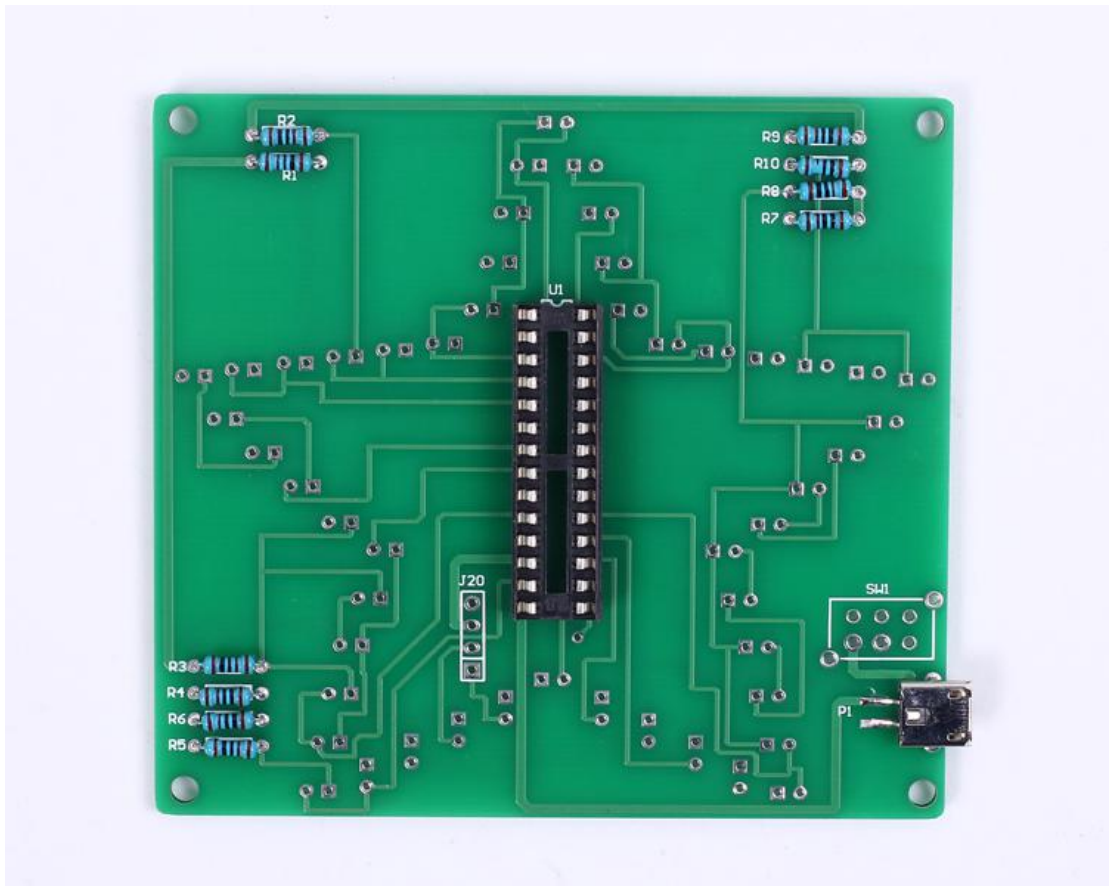
6. Application:

- 1>.Home Furnishing decoration
- 2>.Store decoration
- 3>.Graduation design
- 4>.Practice for electronic enthusiasts
- 5>.Holiday gifts

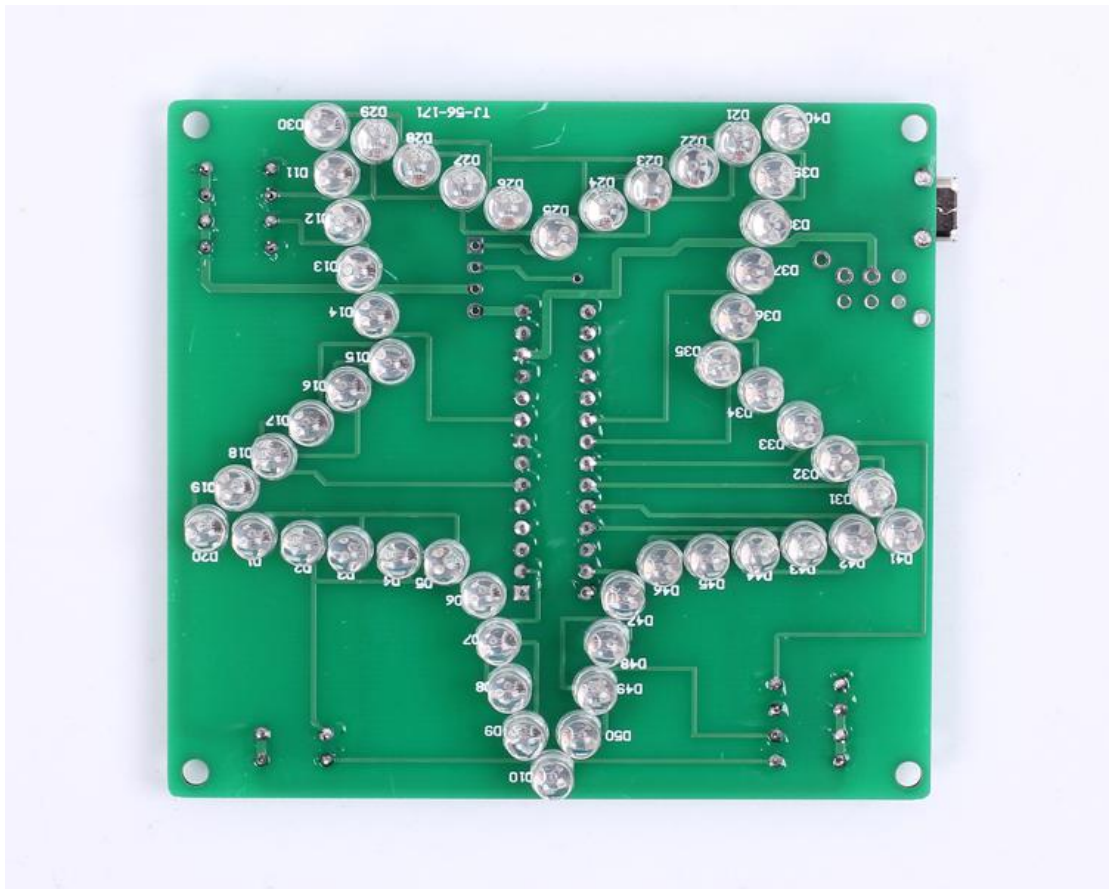
7.Installation Steps



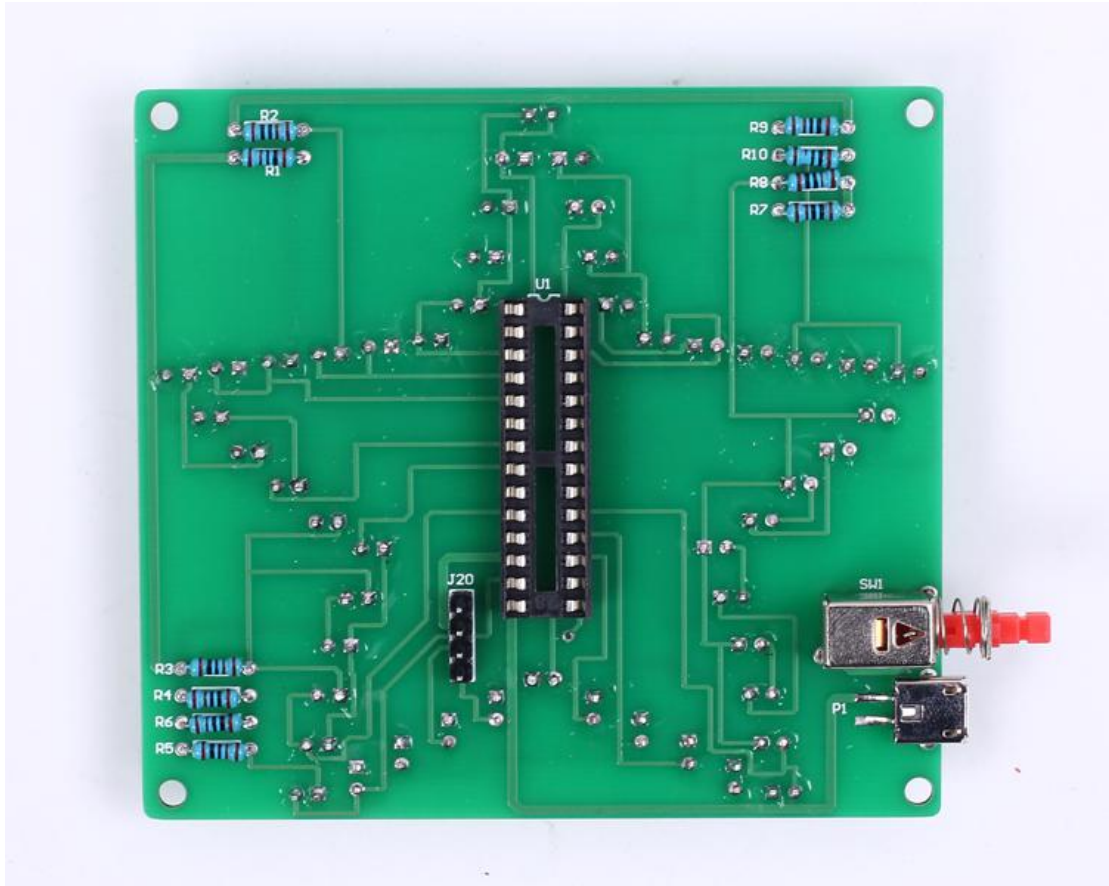
Step 1: Install 1pcs Metal Film Resistor, 1pcs IC socket, 1pcs USB socket.



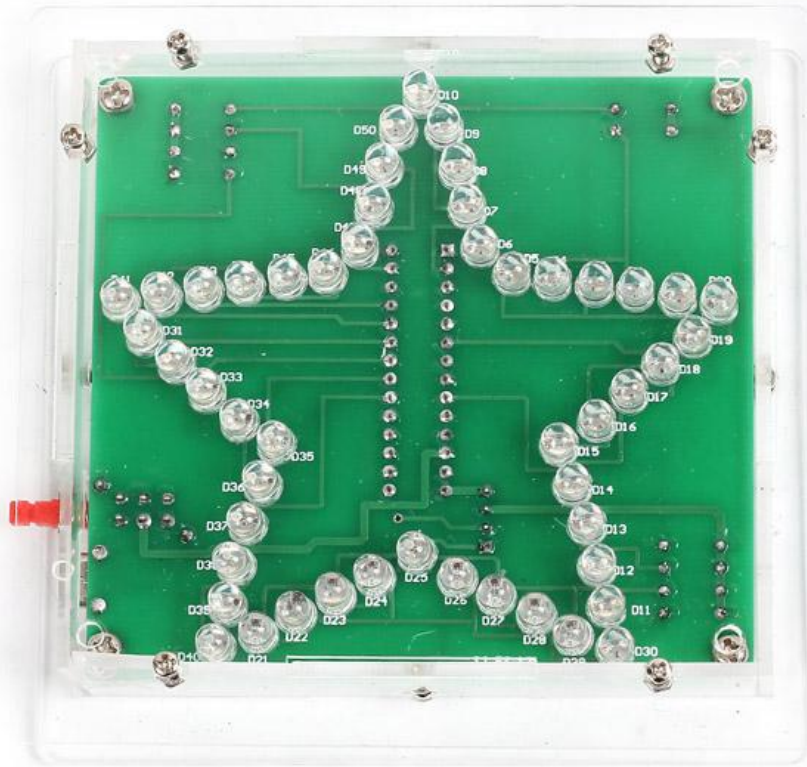
Step 2: Install 50pcs LED.Pay attention to the installation direction.



Step 3: Install 1pcs switch, 1pcs 4P male pin, and then install IC.



Step 4: Install Acrylic shell.



8. Effect demonstration

