

# Heart Shape Breathing Lamp DIY Kit

## 1. Introduction

Light brightness automatically changes.

This is a DIY Heart Shape breathing lamp kit parts . You need solder it by yourself.

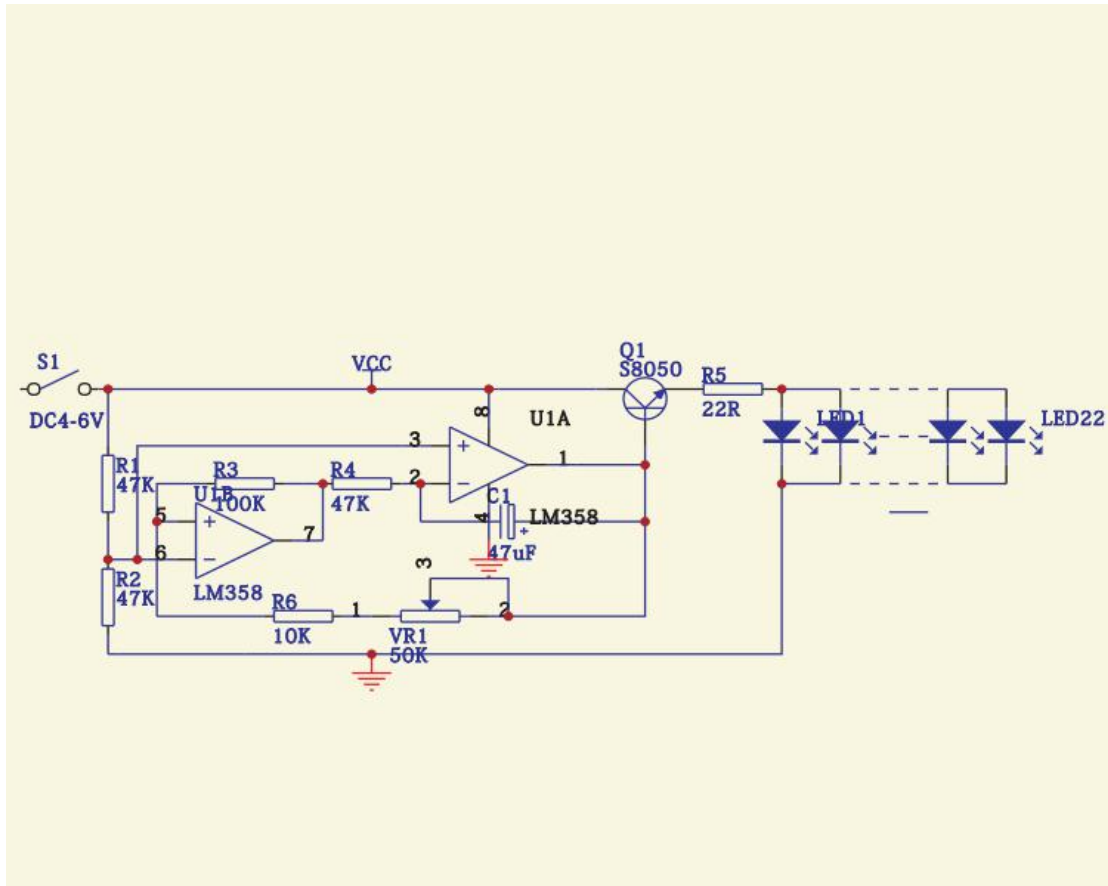
## 2.Parameter

<b>NO.</b>	<b>Parameters</b>	<b>Value</b>
1	Name	Heart shape led
2	Operating voltage	DC 4-6V
3	Difficulty of welding machine	Easy
4	Circuit board size	50.7*50.7mm
5	Packing weight	13g/kit

## 3. Warm tips

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

## 4.Schematic

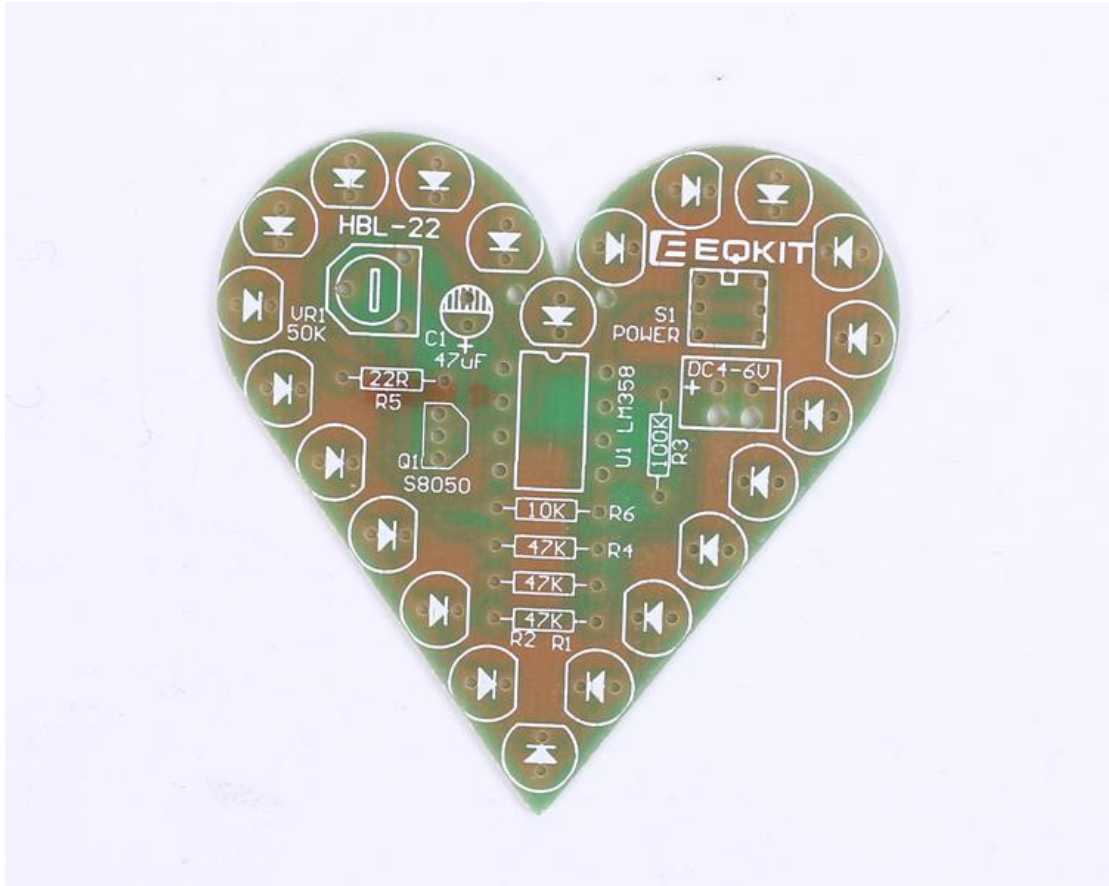


## 5.Component listing

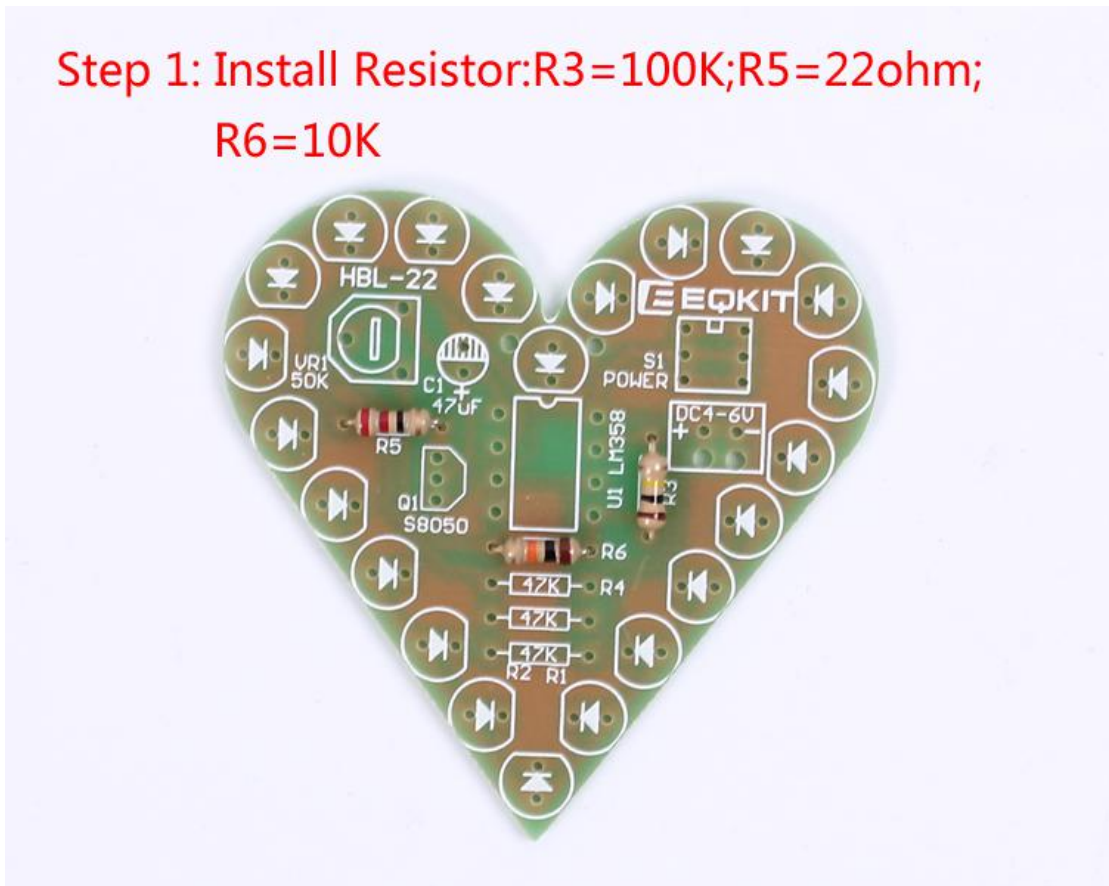
NO.	Component Name	PCB Marker	Parameter	QTY
1	Metal Film Resistor	R5	22R	1
2	Metal Film Resistor	R6	10K	1
3	Metal Film Resistor	R1,R2,R4	47K	3
4	Metal Film Resistor	R3	100K	1
5	Electrolytic Capacitor	C1	47UF	1
6	Potentiometer	VR1	50K	1
7	LM358	U1	DIP-8	1
8	Power Switch	S1	6P	1
9	S8050	Q1	TO-92	1
10	LED	LED1-LED22	5mm	22
11	PCB			1

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

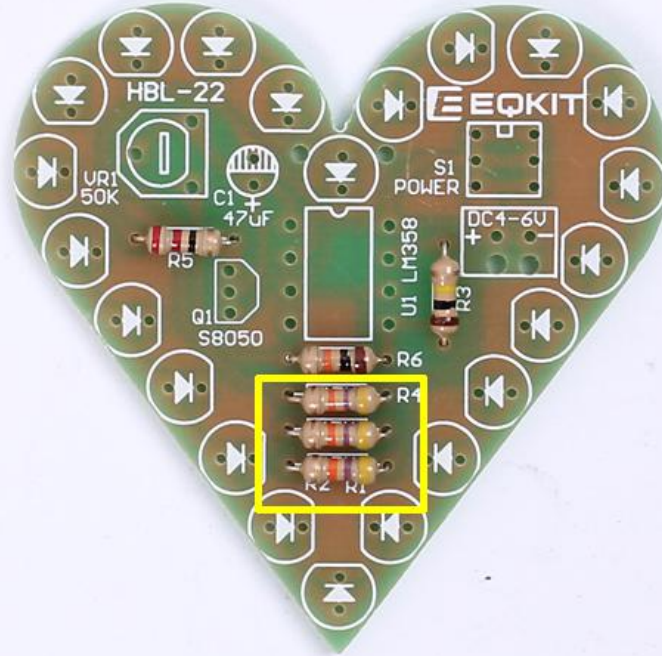
## 6.Installation Steps



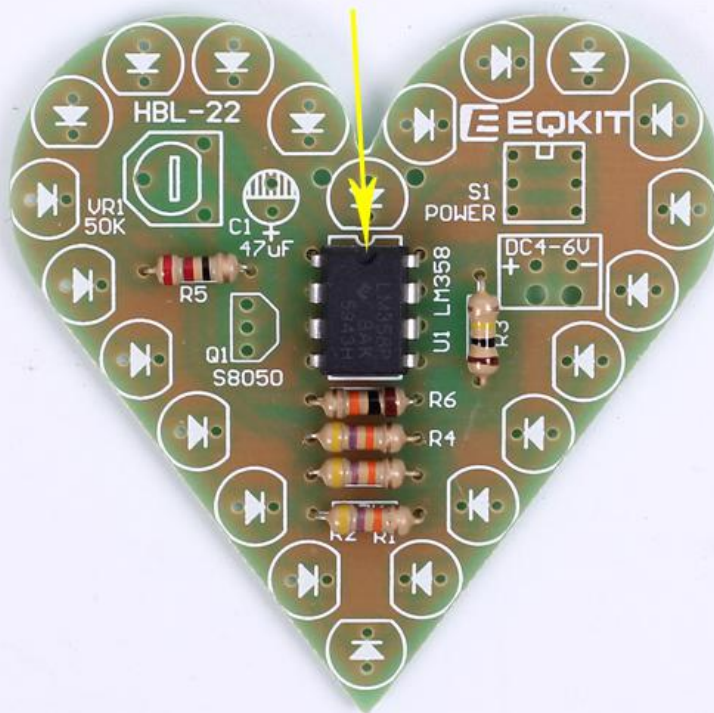
Step 1: Install Resistor: R3=100K; R5=22ohm;  
R6=10K



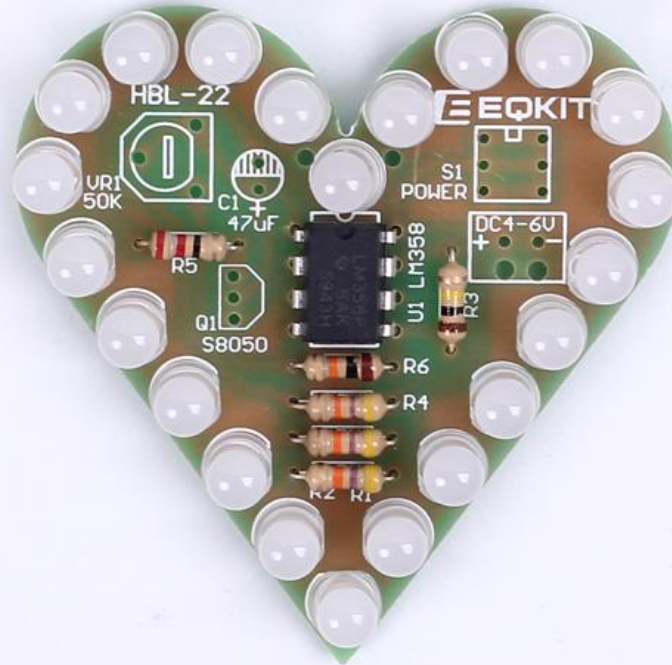
**Step 2: Install 3pcs 47K resistor on R1,R2,R4**



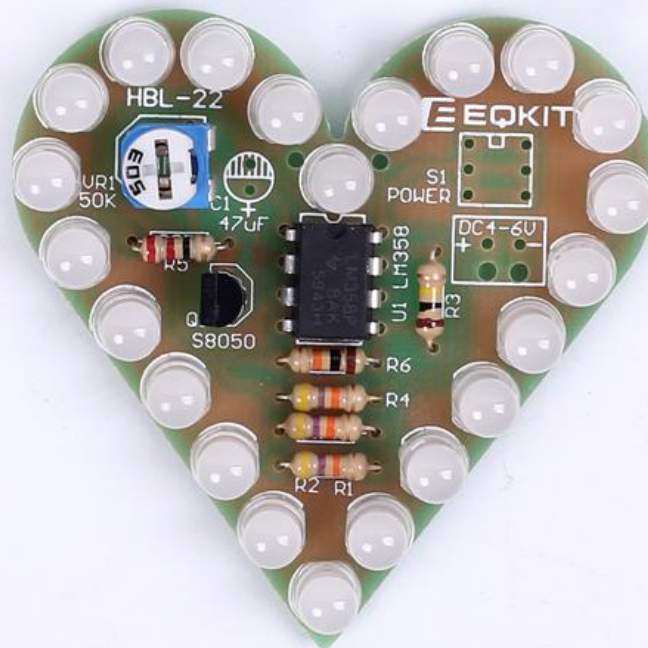
**Step 3: Install LM358. Note direction!**



**Step 4: Install 22pcs LED.Note direction!**

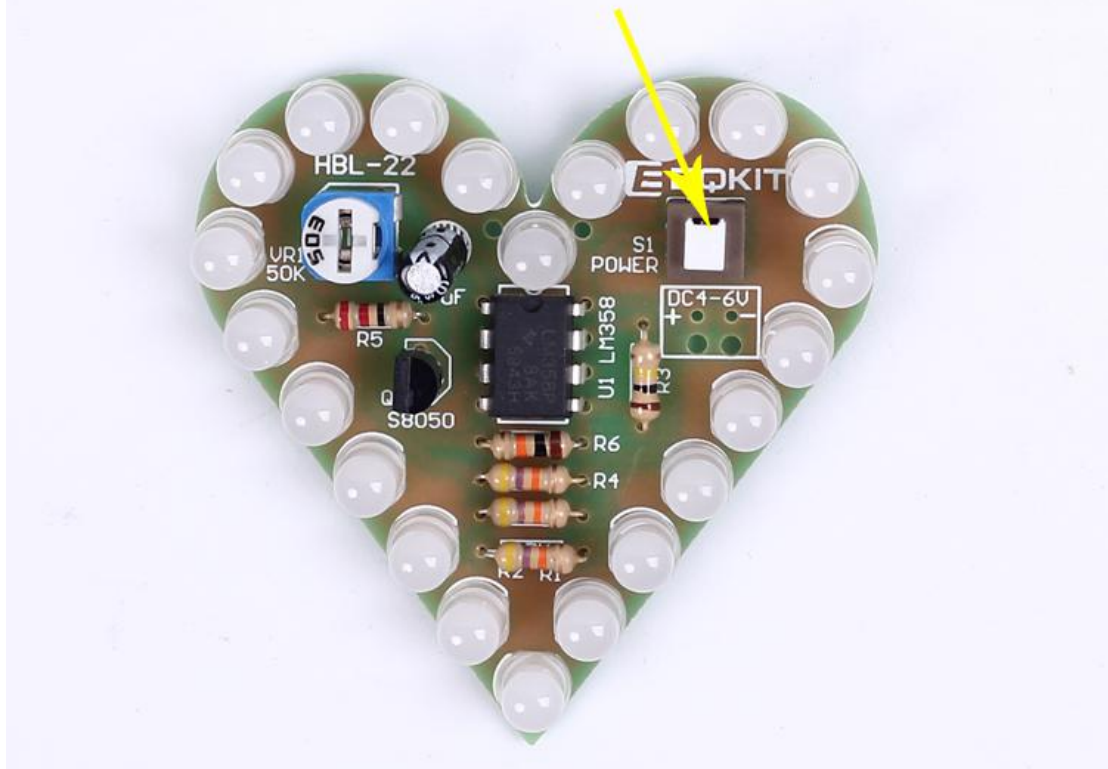


**Step 5: Install S8050 and Potentiometer.**





Step 6: Install power switch. Note direction!



7. Effect demonstration (Only for appreciation. Please choose to buy color)

