

Heart Shape DIY Kit

1. Introduction

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

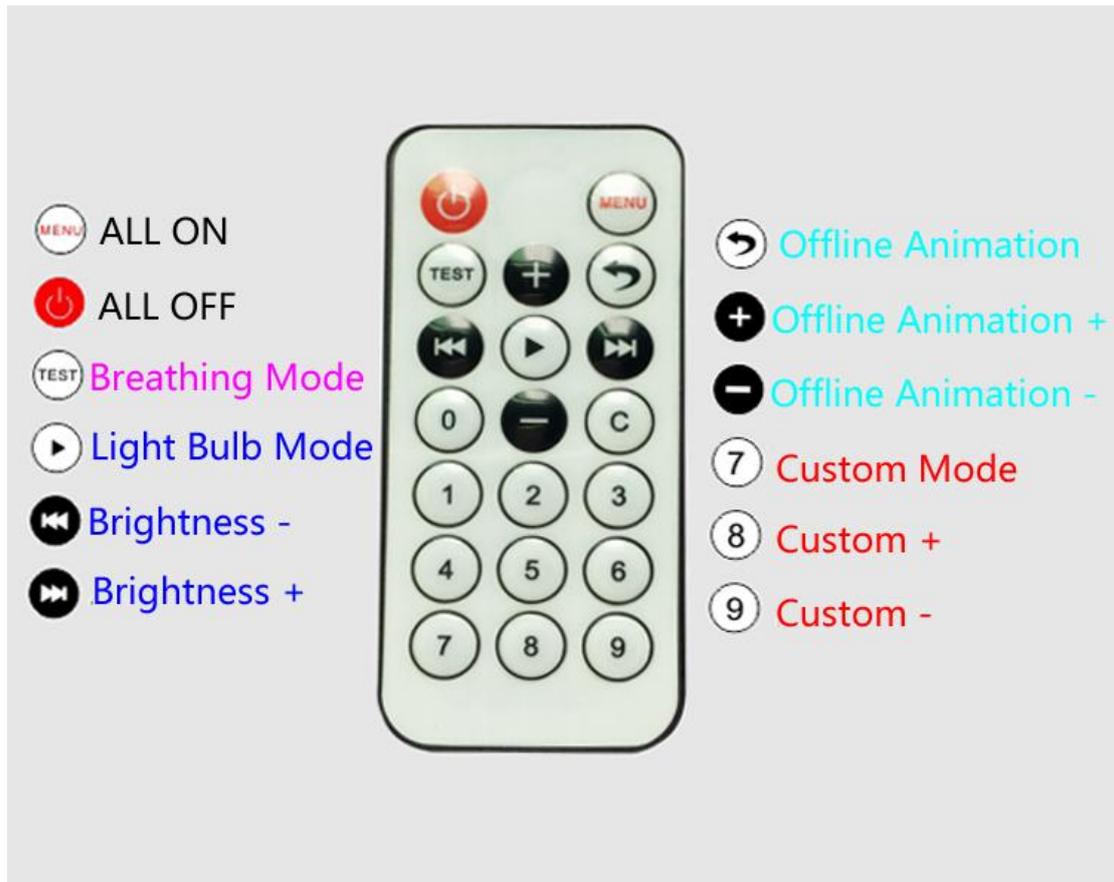
2.Parameter

NO.	Parameters	Value
1	Name	Heart shape led
2	Operating voltage	DC 4.5-5V
3	Difficulty of welding machine	Easy
4	Circuit board size	108*98*17mm
5	Light color	Colorful
6	Power supply mode	USB
7	Circuit board material	Double-faced 1.6mm RF-4
8	Board color	Green

3. Warm tips

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

4. Remote control instruction



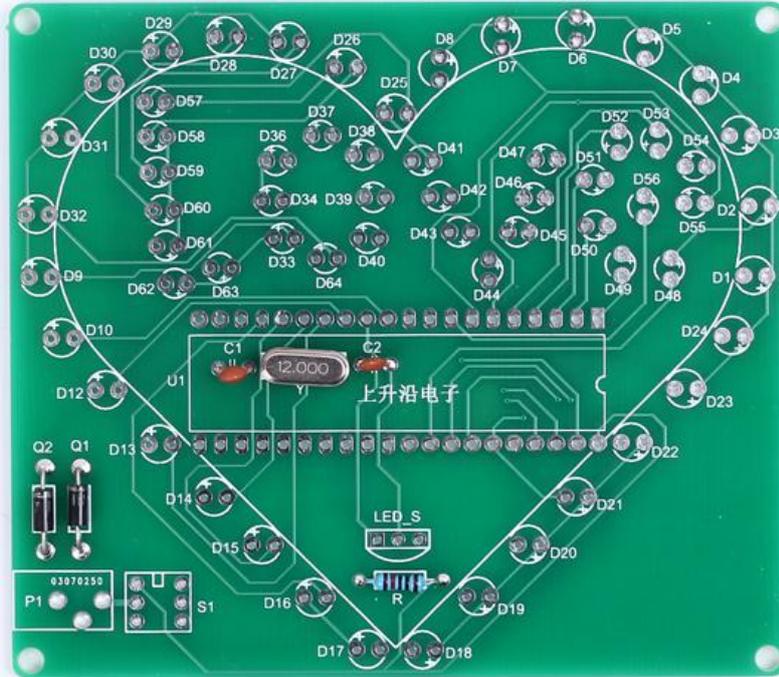
5.Component listing

NO.	Component Name	PCB Marker	Parameter	QTY
1	Ceramic Capacitor	C1,C2	27pf	2
2	5mm LED	D1-D31	RGB	31
3	3mm LED	D33-D63	Blue	31
4	HX1838 Infrared Receiver	LED_S		1
5	3.5mm Power Socket	P1		1
6	IN4007	Q1,Q2		2
7	Metal Film Resistor	R	10K	1
8	Self-Locking Switch	S1		1
9	IC Socket	U1	DIP-40	1
10	STC89C52	U1	DIP-40	1
11	Crystal	Y	12MHz	1
12	PCB			1

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

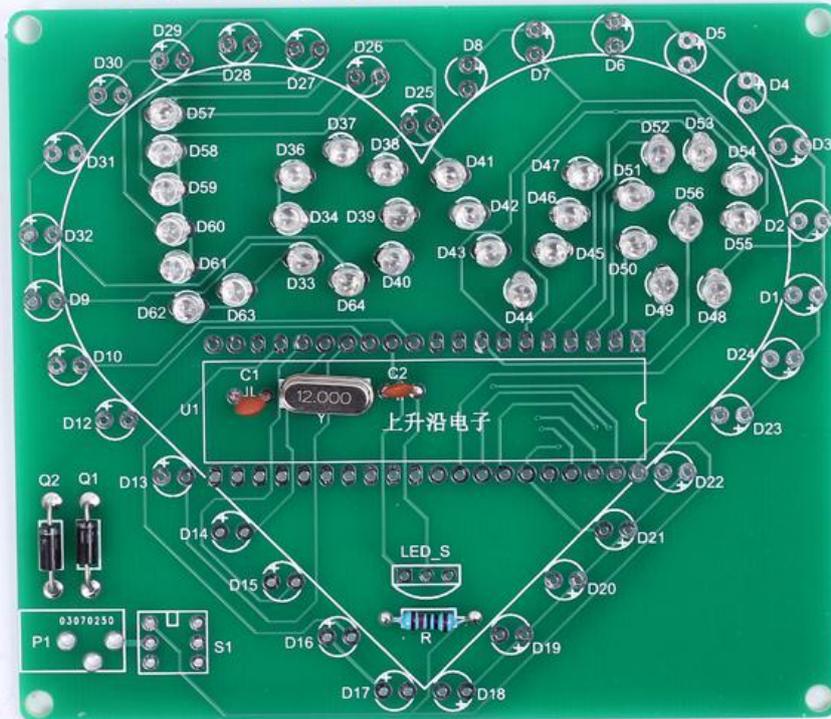
6.Installation Steps

Step 1: Install 2pcs capacitor;1pcs crystal;
2pcs IN4007

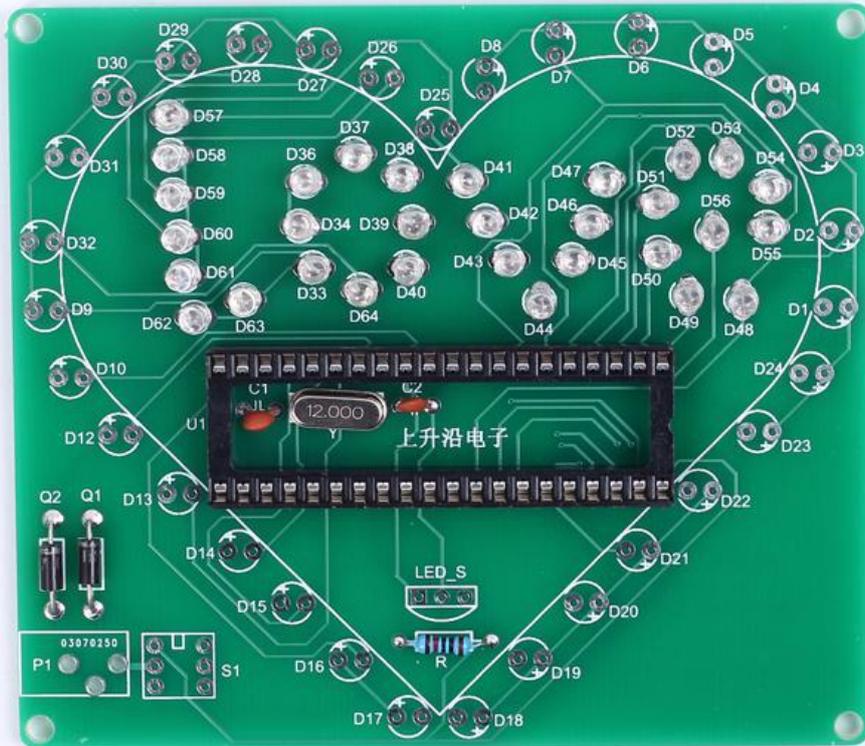


Step 2: Install 31pcs 3mm LED on D33-D63.

Note direction!

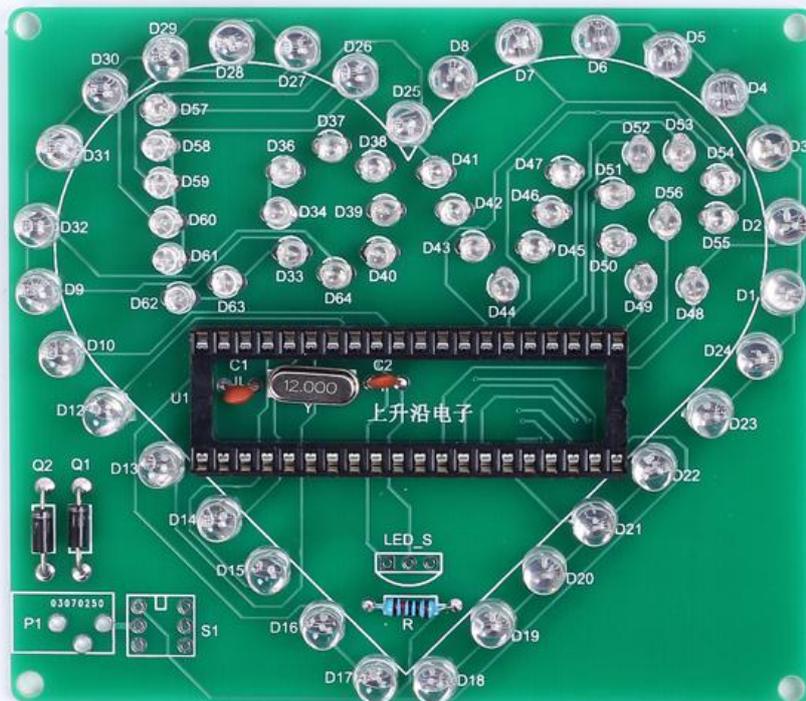


Step 3: Intall IC socket. **Note direction!**

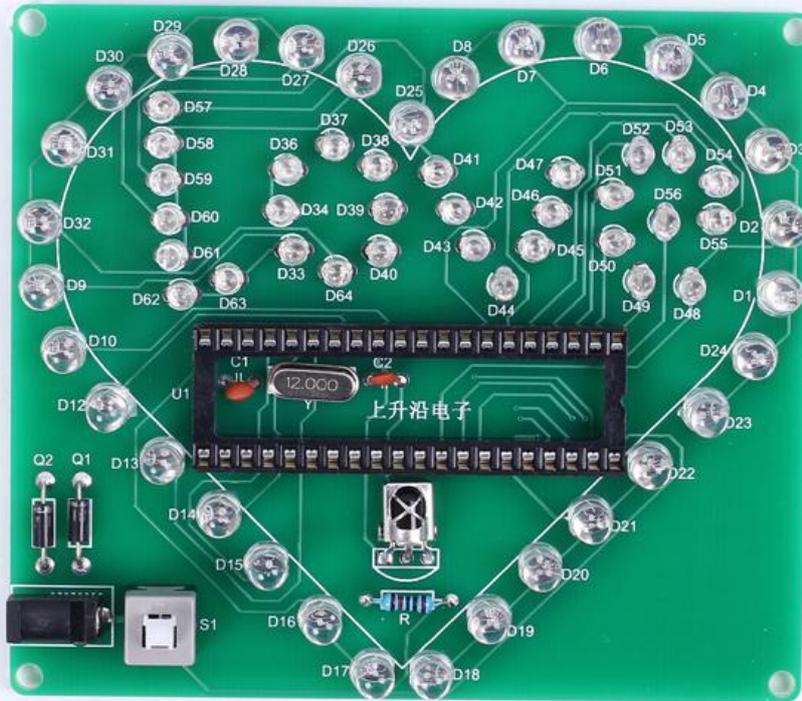


Step 4: Install 31pcs 5mm LED on D1-D31.

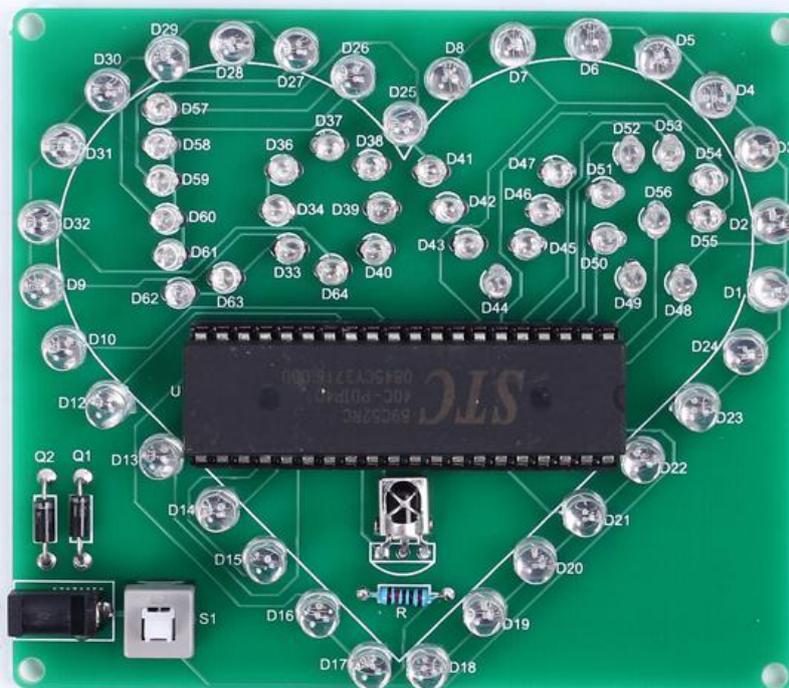
Note direction!



Step 5: Install Infrared sensor; Power socket; Power switch.



Step 6: Install IC and test!



7.Effect demonstration

