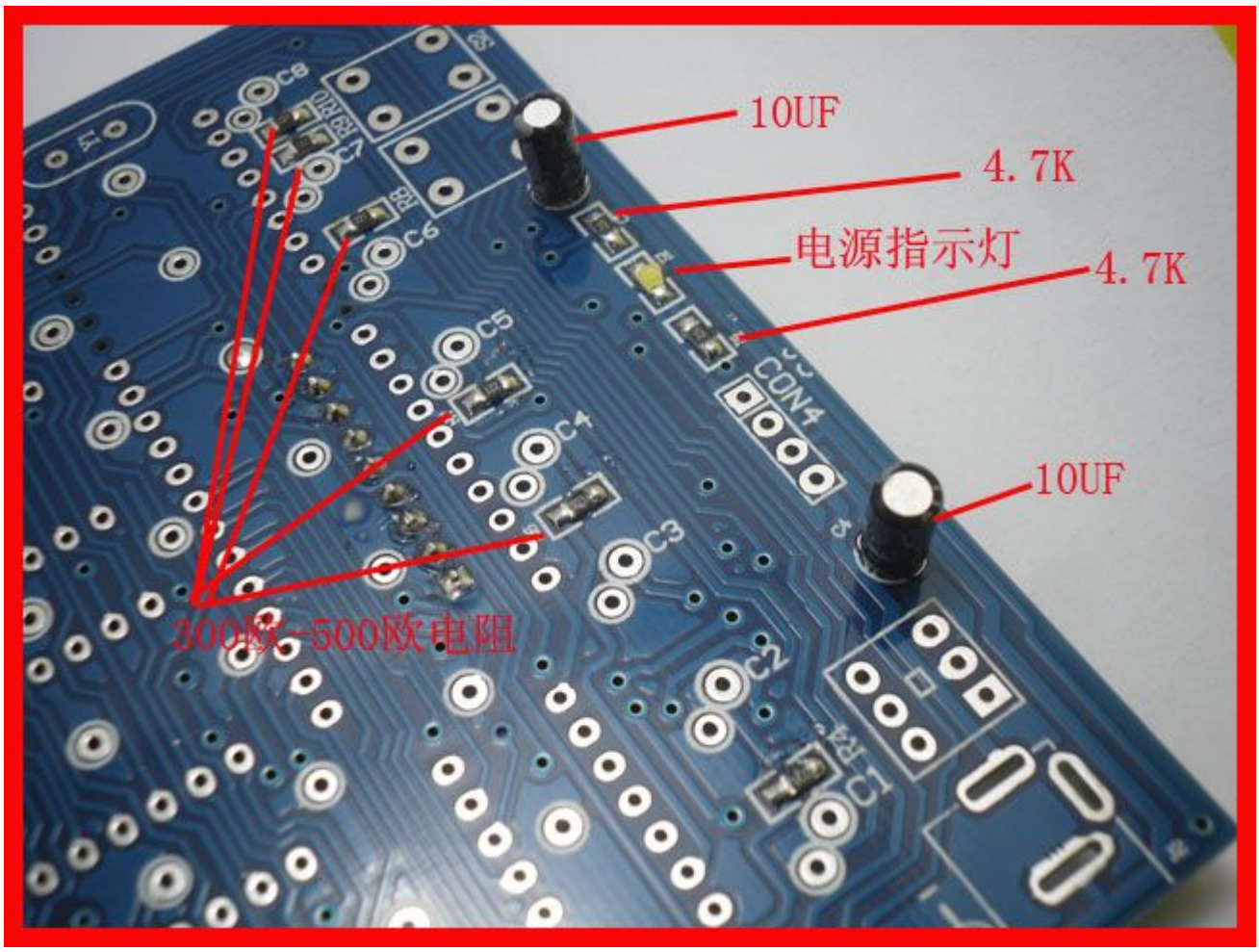
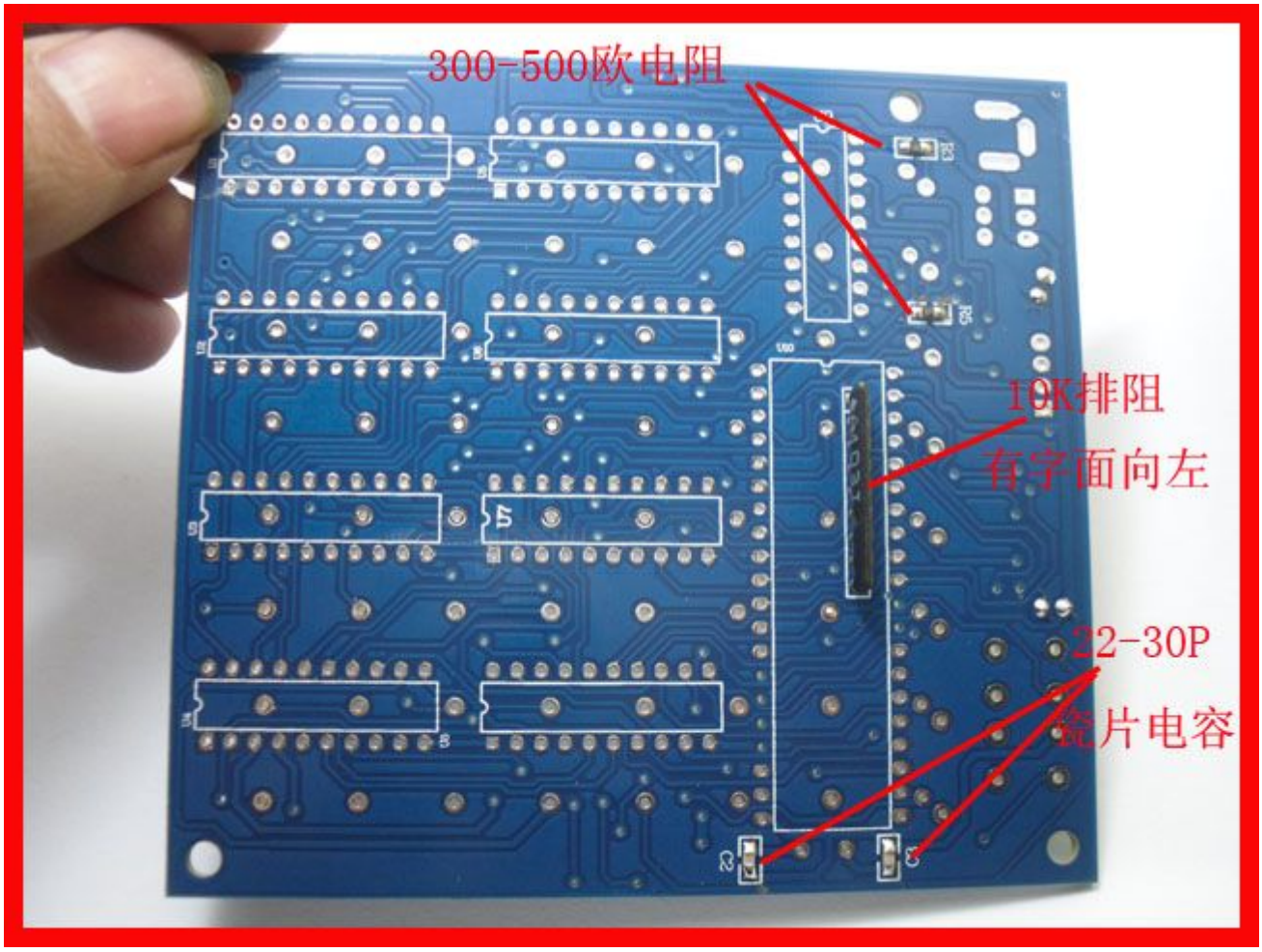
Instruction

Step 1:

Front side: Soldering 10uF, 4.7k, Power Indicator, 300-500Ω resistance



Back side: 300-500Ω resistance, 10K pin resistance (Side with the word towards to left), 22-30P Ceramic capacitors

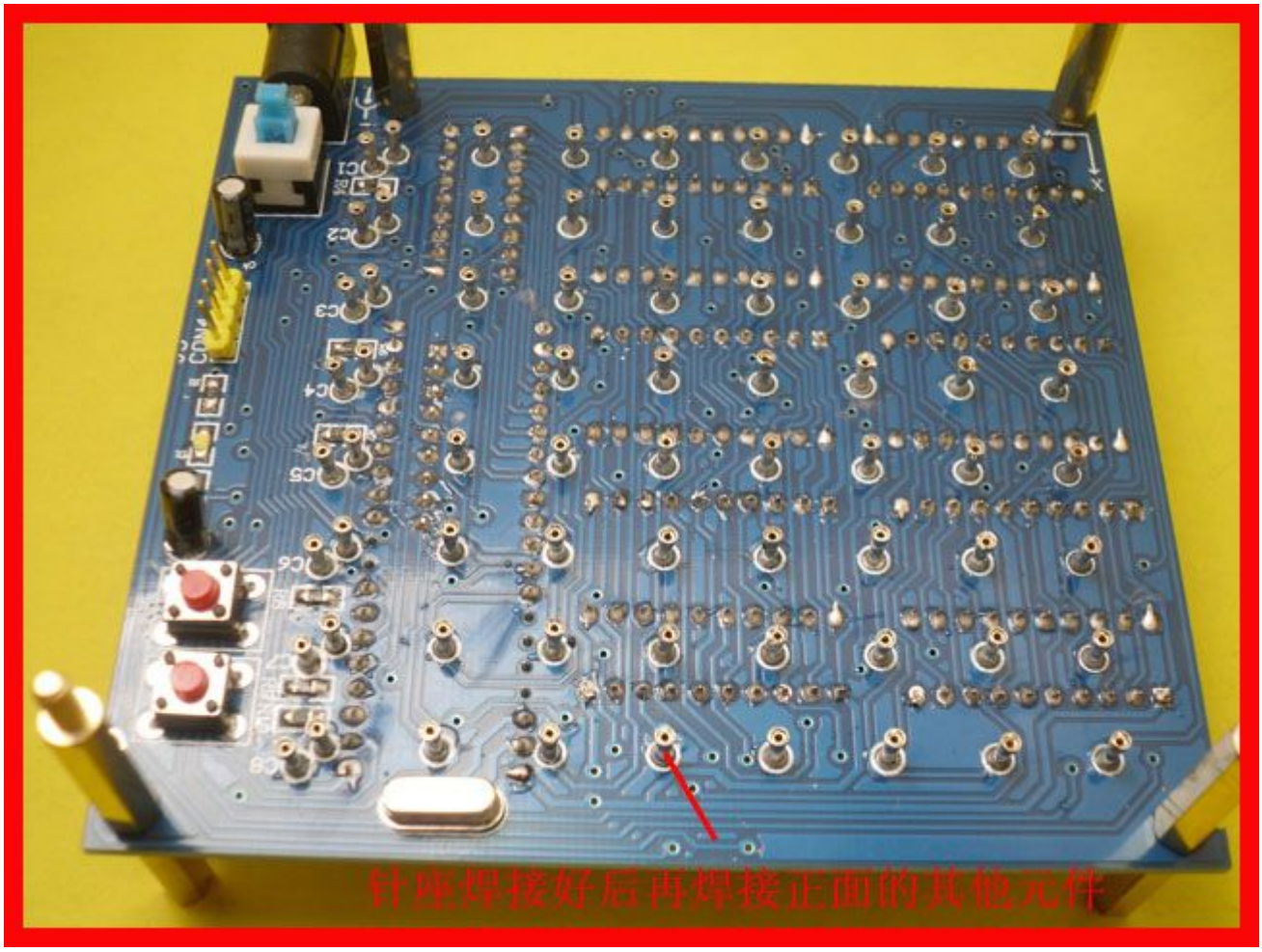


Step 2:

Soldering LED socket:

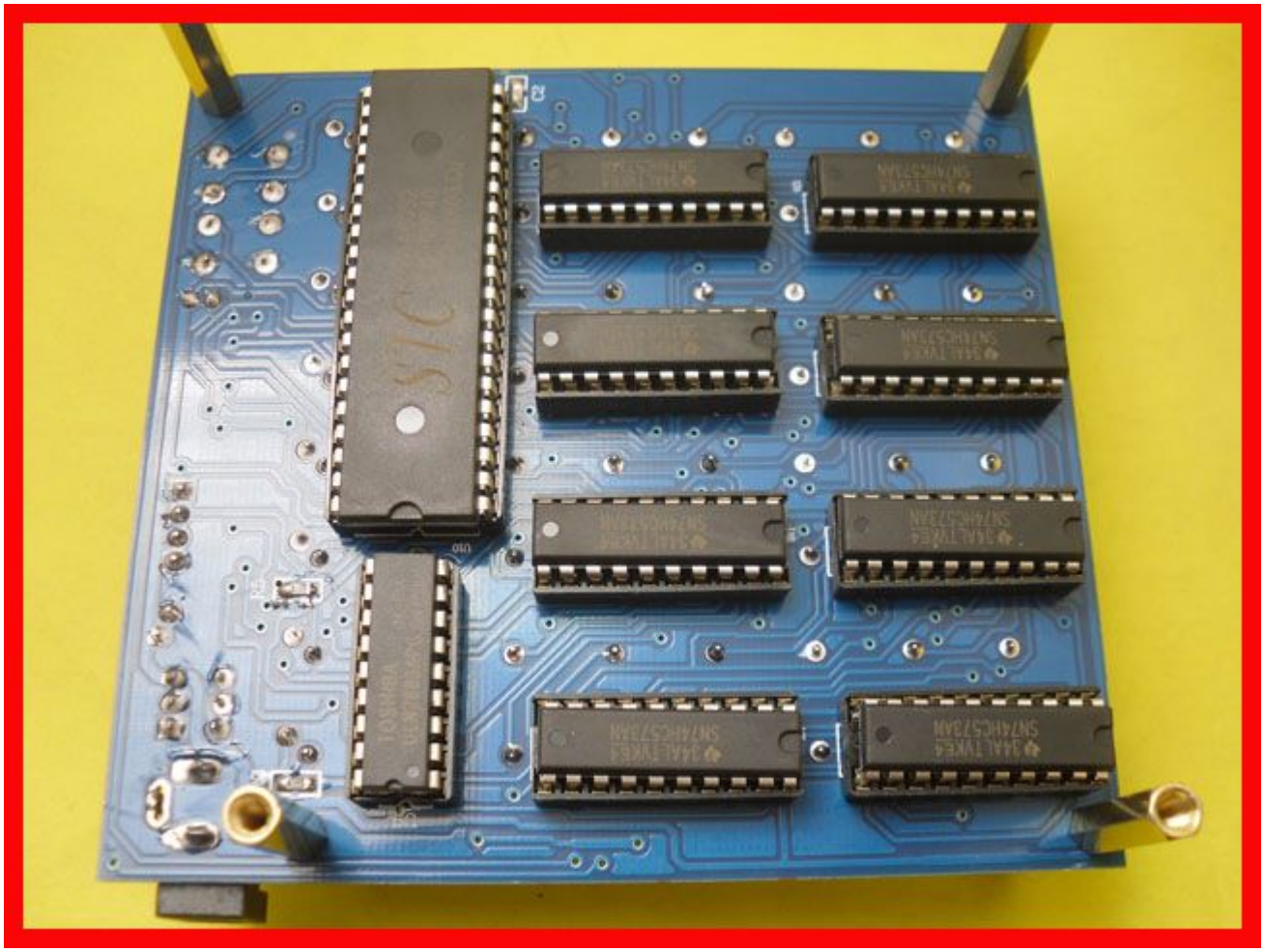
Cut the 40 pin header as the picture shows:

After LED row seat sort out can start soldering:



Step 3：

After all the front side elements are finish soldering, you can start the chip carrier soldering on the back side, installed after a good soldering on the chip, then put on the chip (note the direction)



Step 4:

Thus light cube control board is soldered.

Then start LED soldering, the distance from control board lamp to lamp is 1CM * 1CM, this distance is relatively small, it is not recommended to plug directly into the LED on the control board, it is recommended plug to the universal board, distance control between 1.5CM to 2CM.

The first step to build the LED is to find a cardboard on top of that you want to draw from the lamp

Step 5:

It should be noted when adjust LED:

We should keep a distance of more than 2mm with colloids

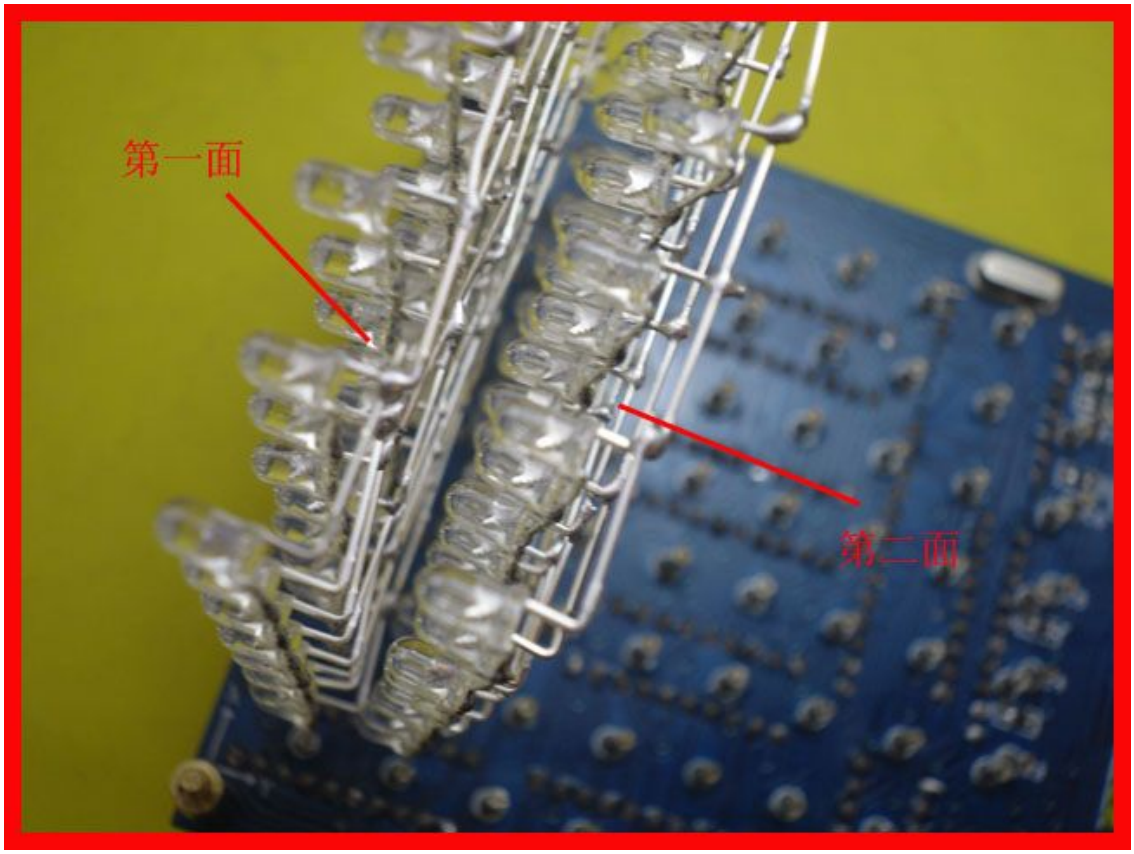
Step 6:

LED soldering note:

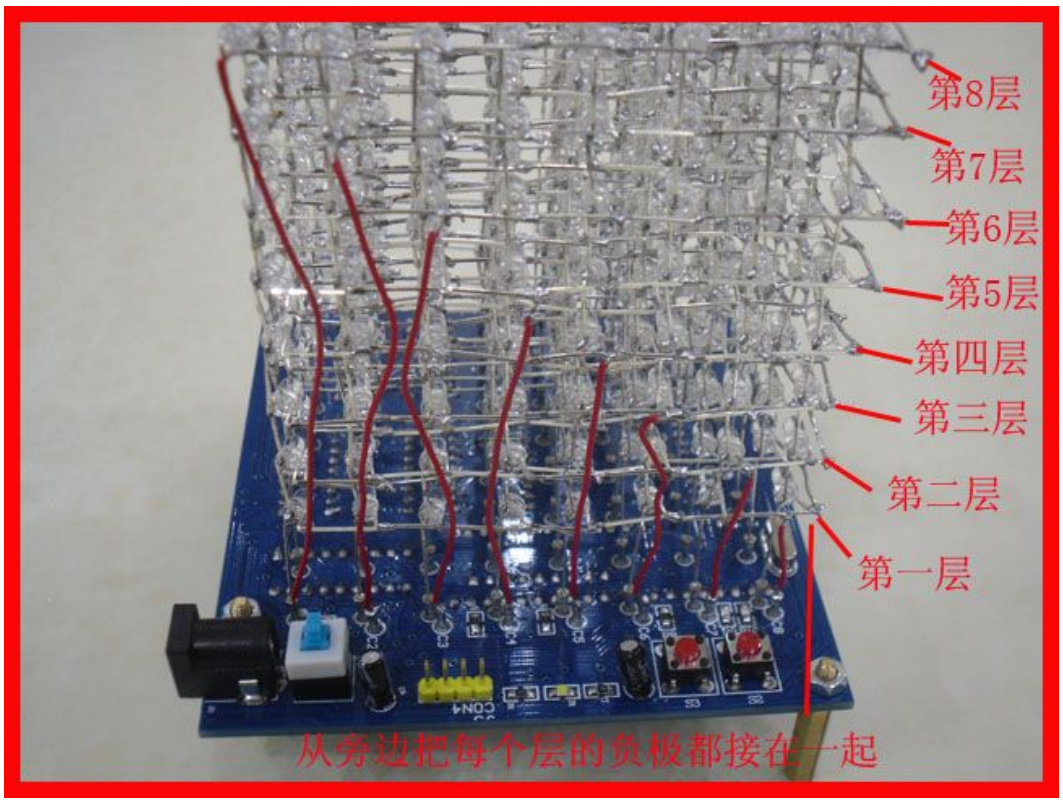
1. LED soldering should finish as fast as possible, each solder point hold at about 2 seconds will be better, the soldering point distance with the bottom of the glue should be 2.5mm or more. Using 30W-40W soldering iron will be better.

2. Test each row if the LEDS can lit, to prevent the LED polarity soldering or bad LED soldering .

Test Method: Use multimeters adjust to short circuit files, black pen connect to the cathode of the diode, red pen connect to the diode anode.



After all the LED soldered, connect the negative electrode of each layer of the same side (totally 8 layer), then connect to the layer control port, as the picture shows:



Soldering Finish!!