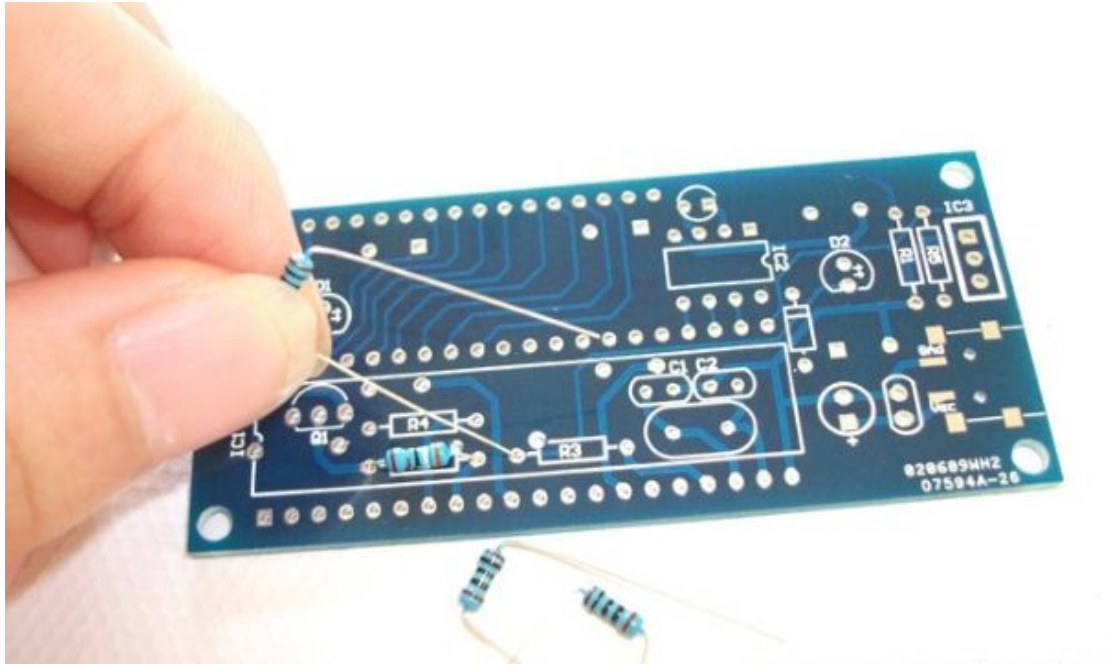
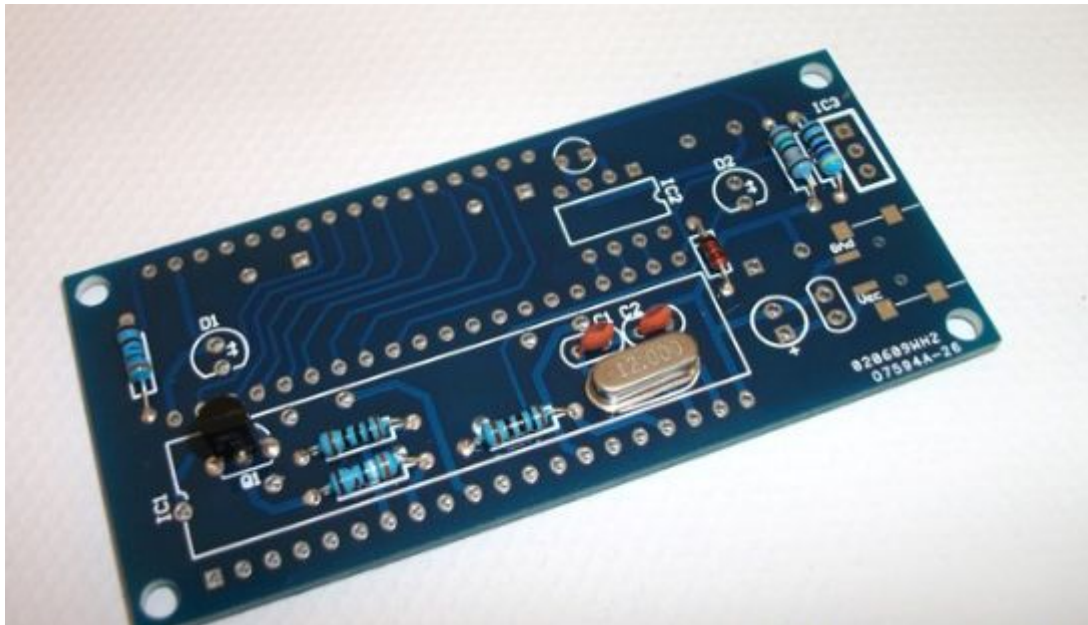


Instruction

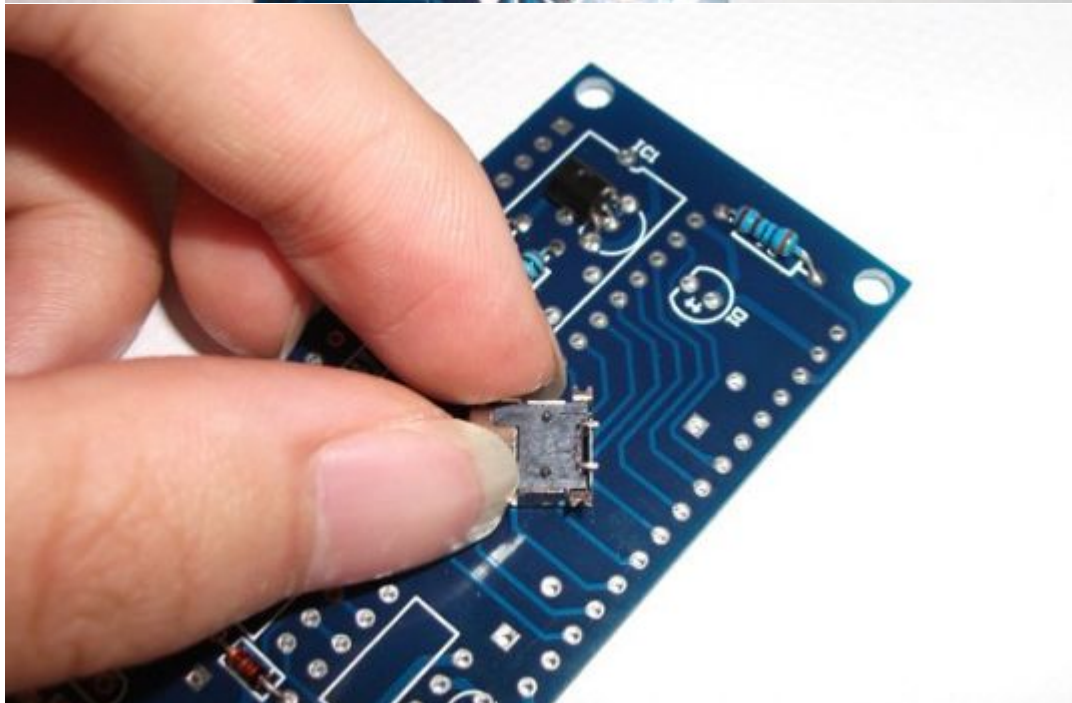
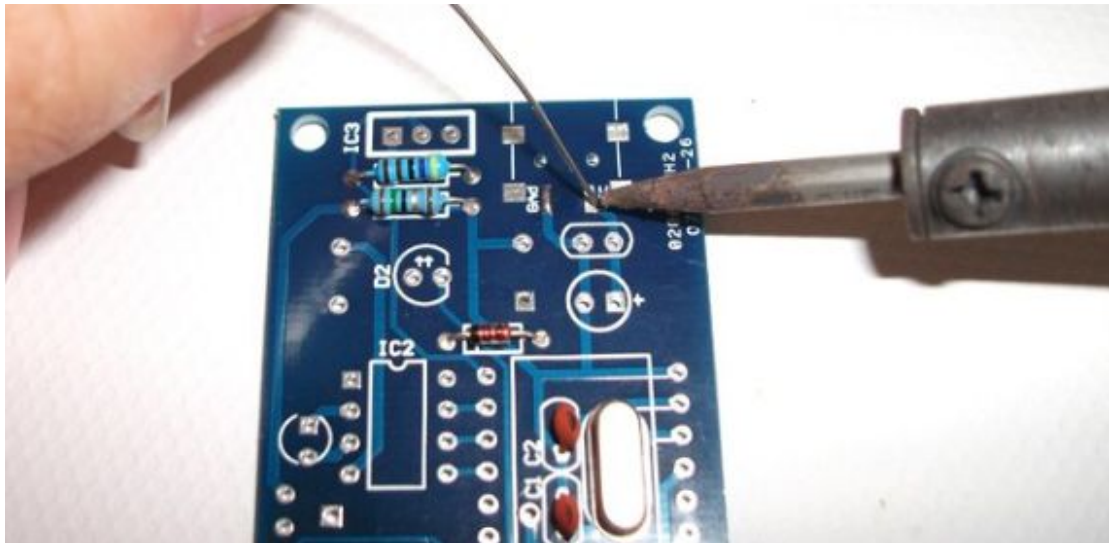
1. Resistance Position: R1--15 Ω , R2--36K, R3/R4--100 Ω , R5--4.7K, R6--2K



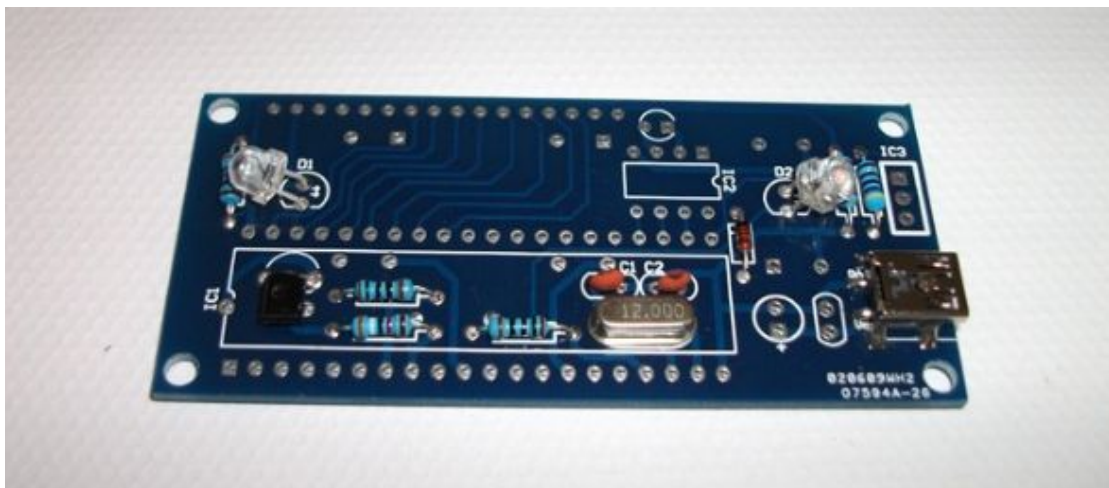
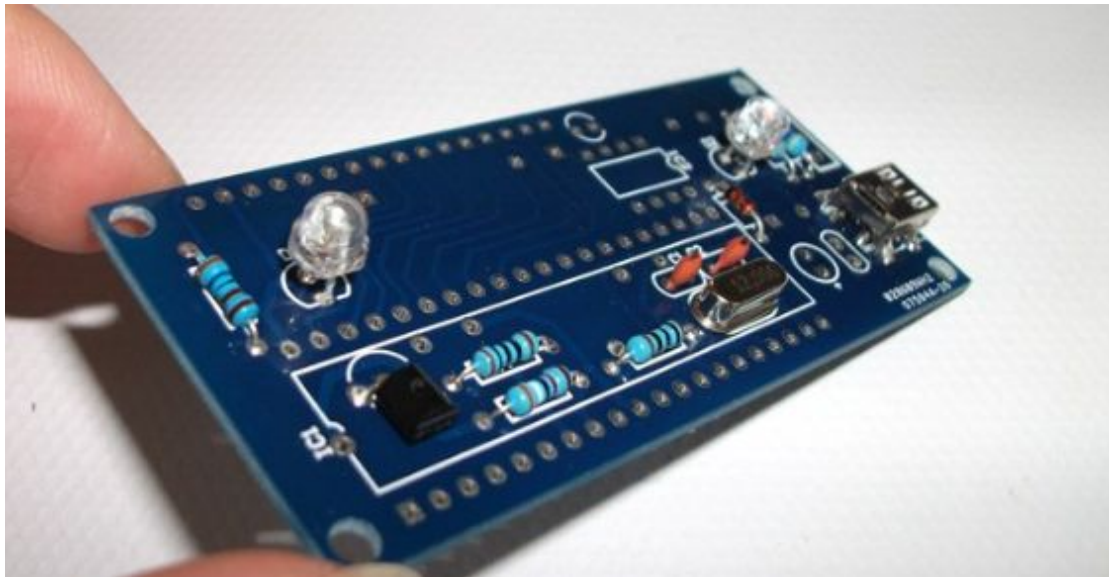
2. 12MHZ crystal, 30PF ceramic capacitor, transistor 9012, 1N4148 diodes as shown in FIG soldered, pay attention **not** to solder 1N4148 diode reversed .



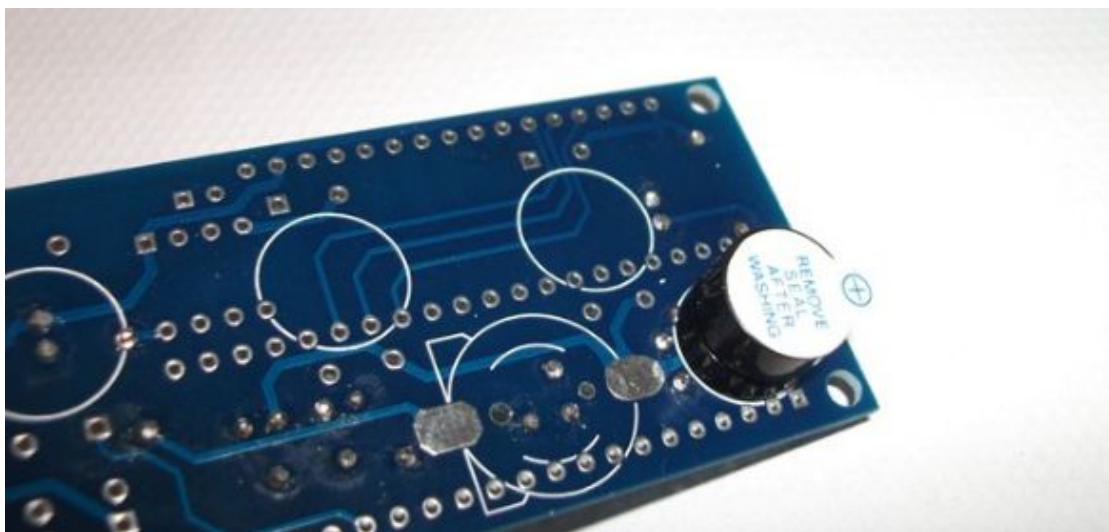
3. USB port soldered as shown (GND & VCC):



4. LED soldered (Diodes aside a certain length):

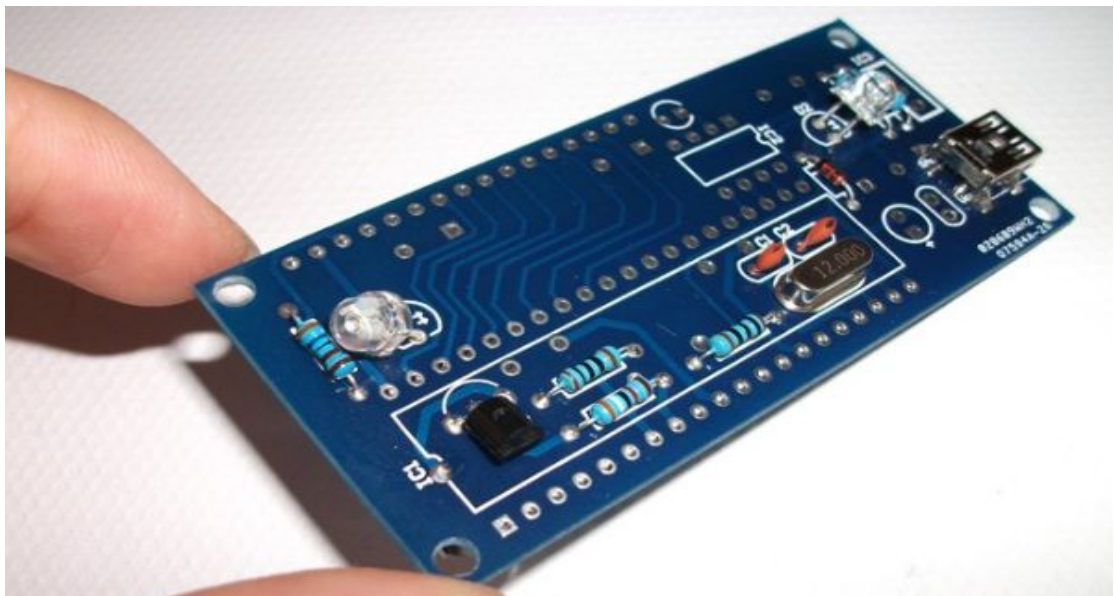


5. Buzzer soldered:

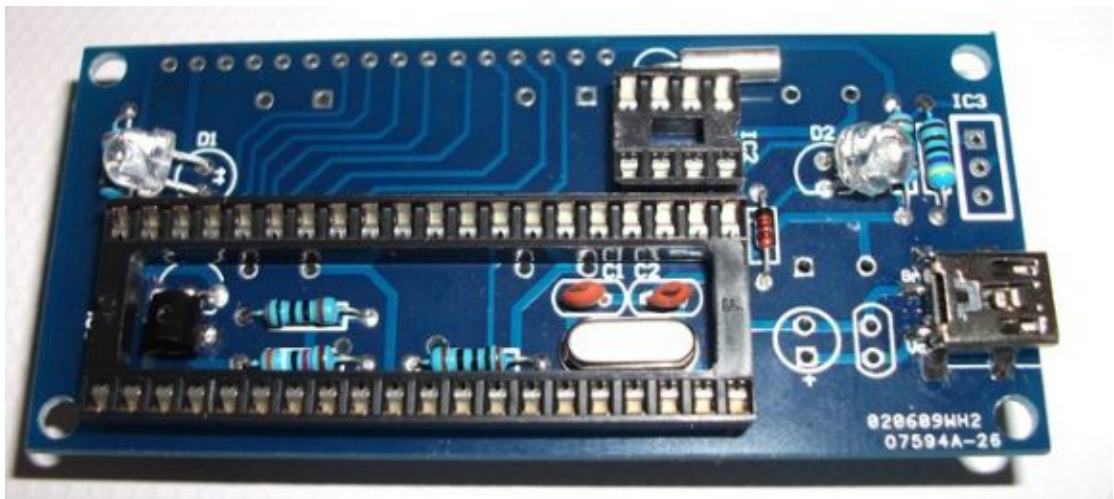




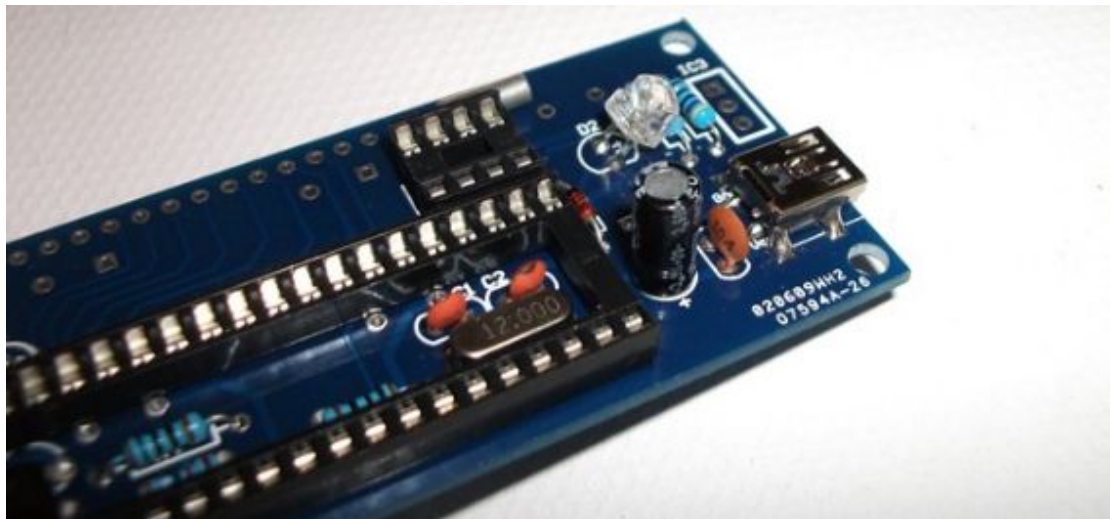
Adjust the transistor as shown:



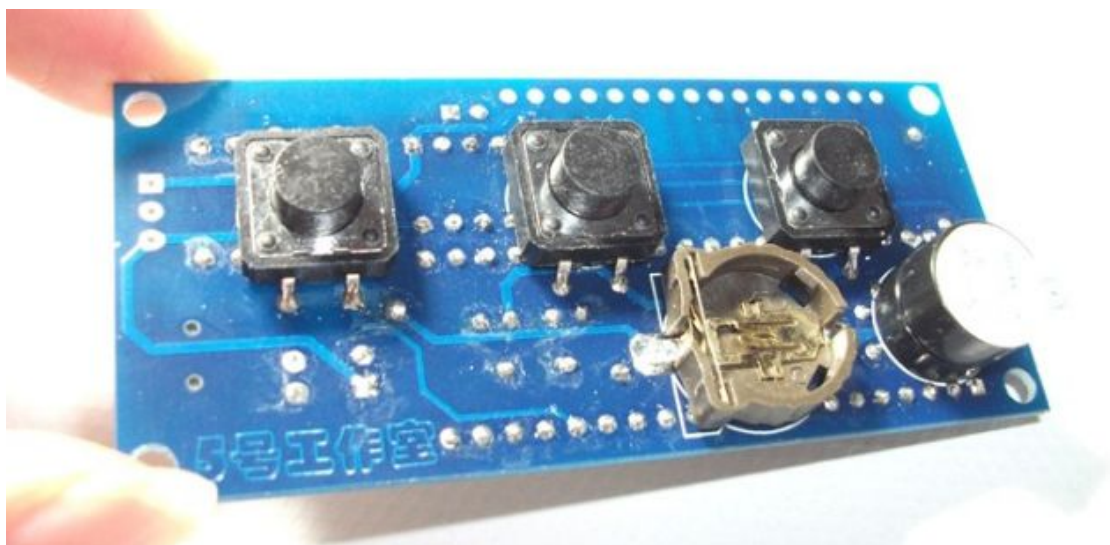
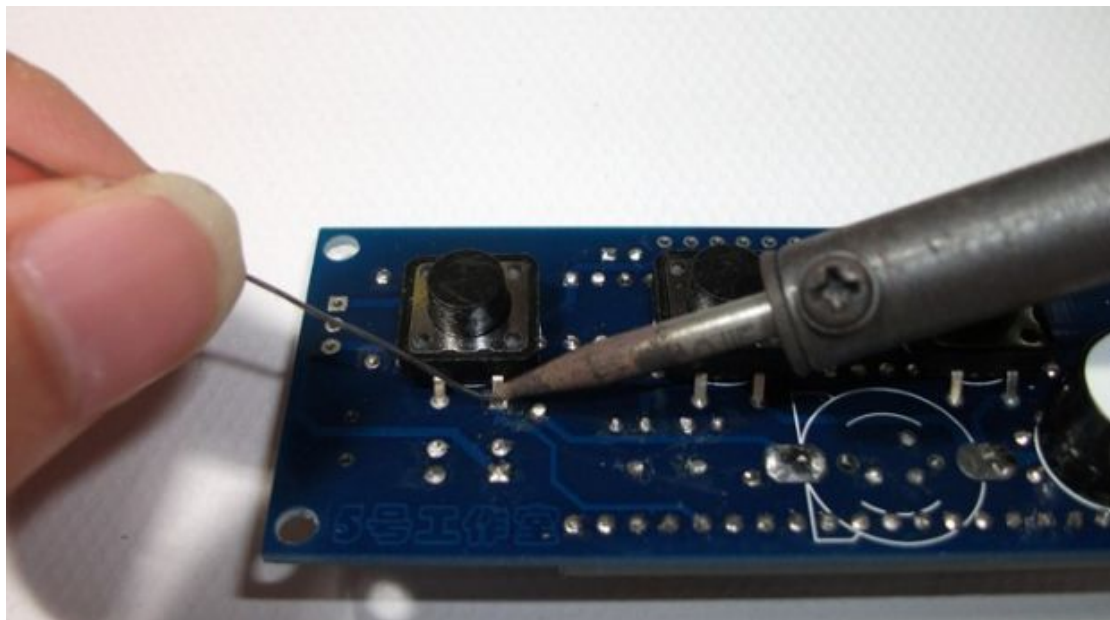
6. 40P & 8P IC socket / clock crystal soldered:



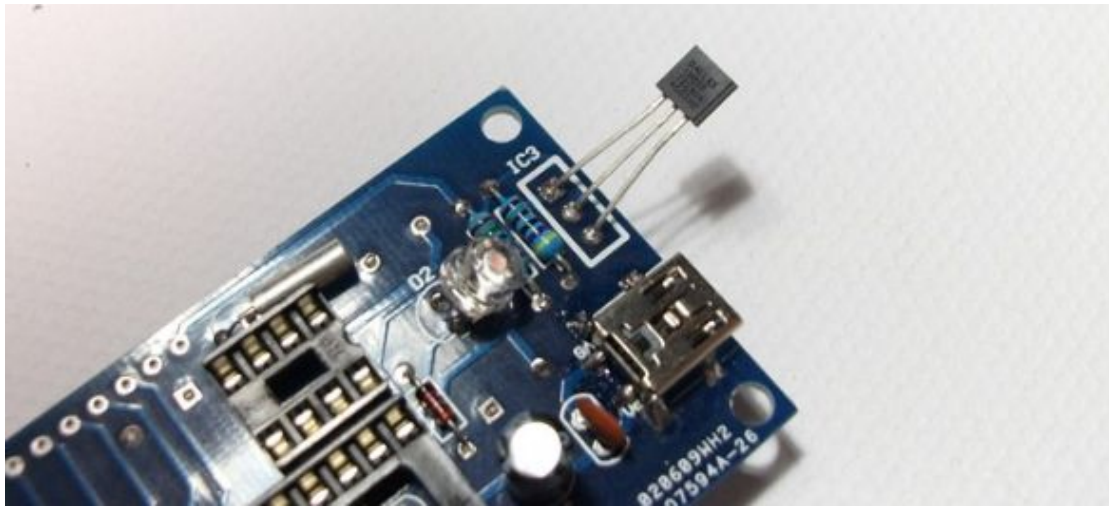
7. 100UF electrolytic capacitor and 104 ceramic capacitor soldered:



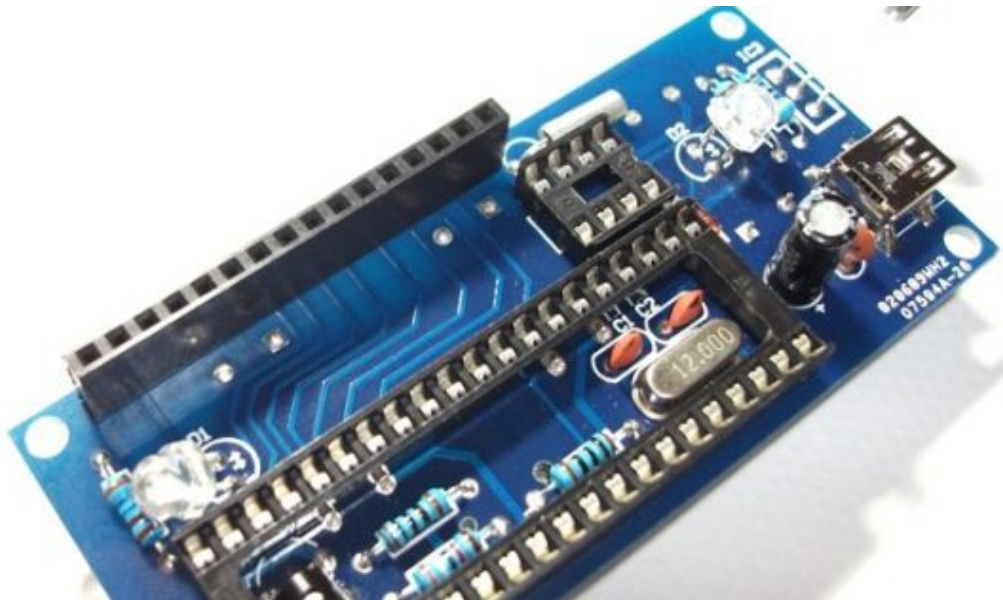
8. Button and 3.3V battery holder soldered:



9. DS18B20 temperature chip soldered (please note about the direction):



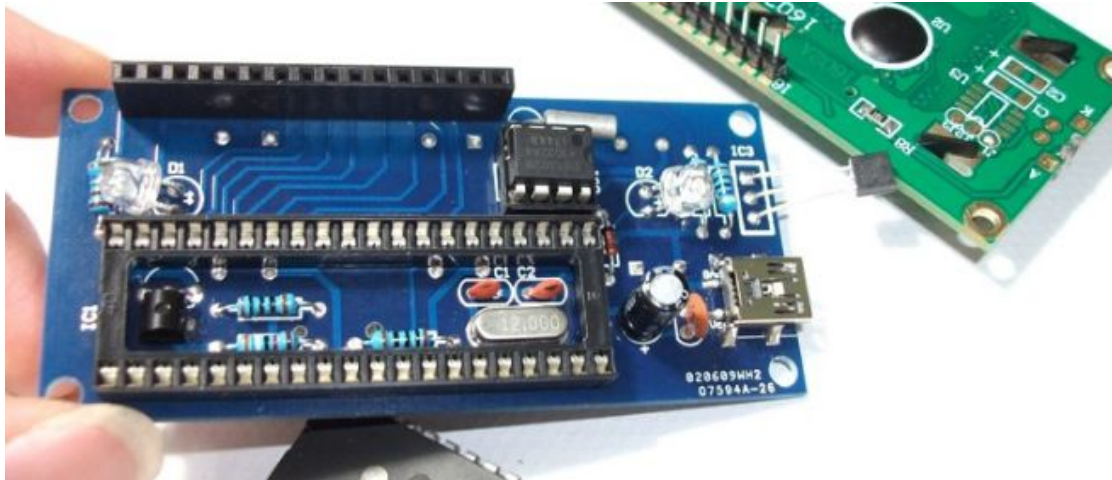
10. 16P pin header soldered:



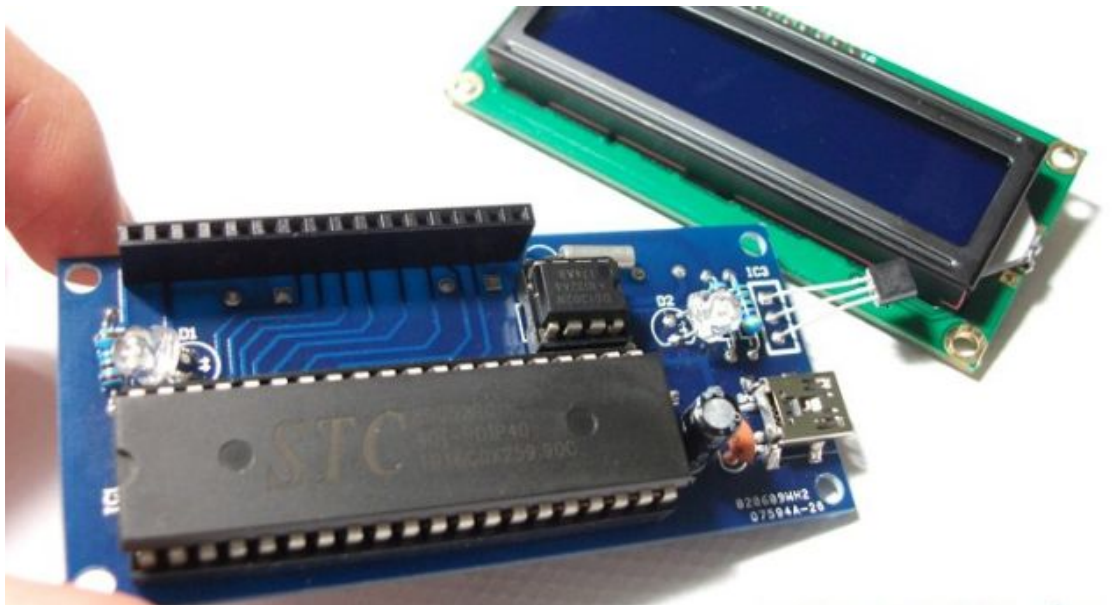
11. 1602LCD soldered:



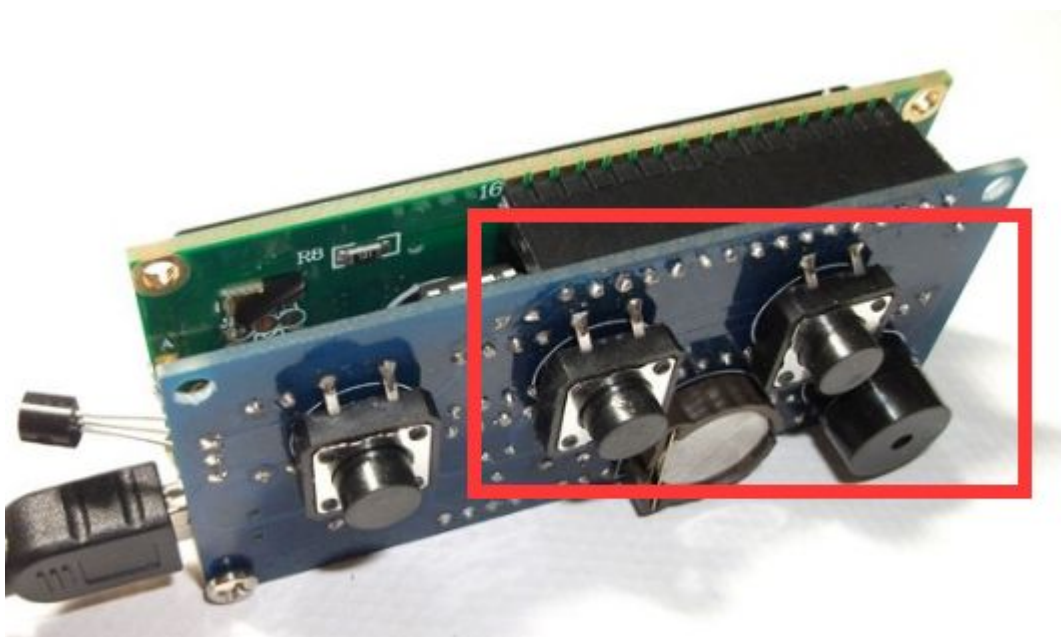
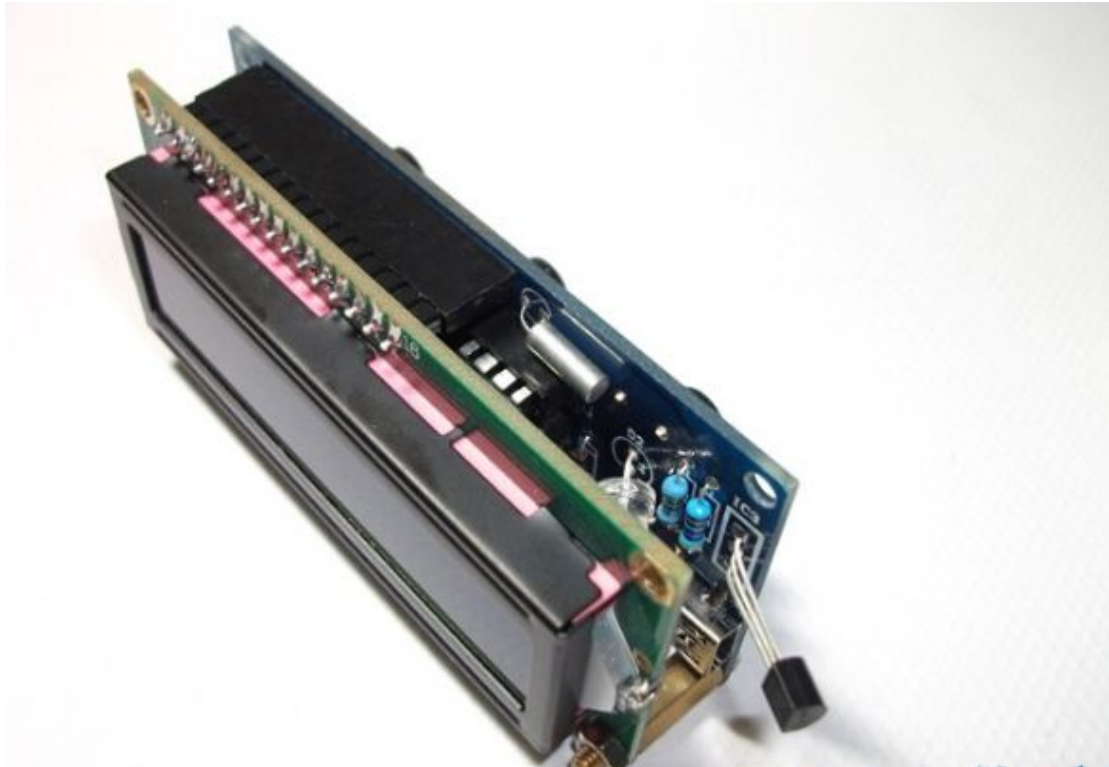
12. Plug in the DS1302 clock chip (8P chip) as shown:



13. Plug in the 40P IC:



Finish:

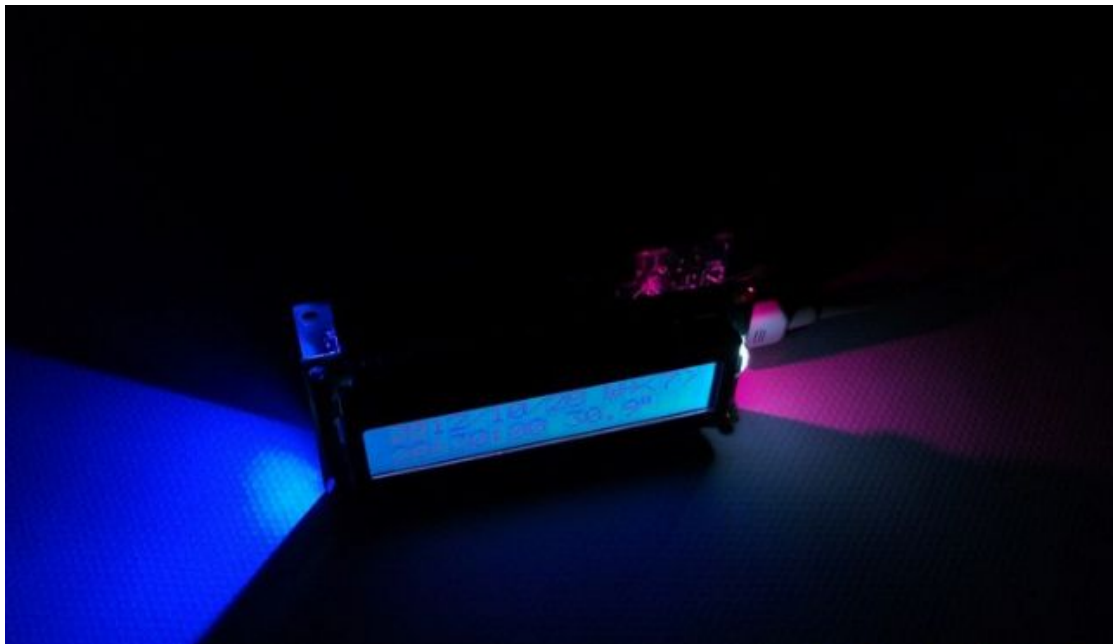


Set the time:

Power on, the buzzer will beep, since the data has not been initialized, so the clock is not working now. Press the plus and minus key at the same time, now successful initialization. Then you can set the time now, after you set the time, it will keep even though you power off.



On time timekeeping or the slightest timekeeping:



Enjoy Yourself!!!