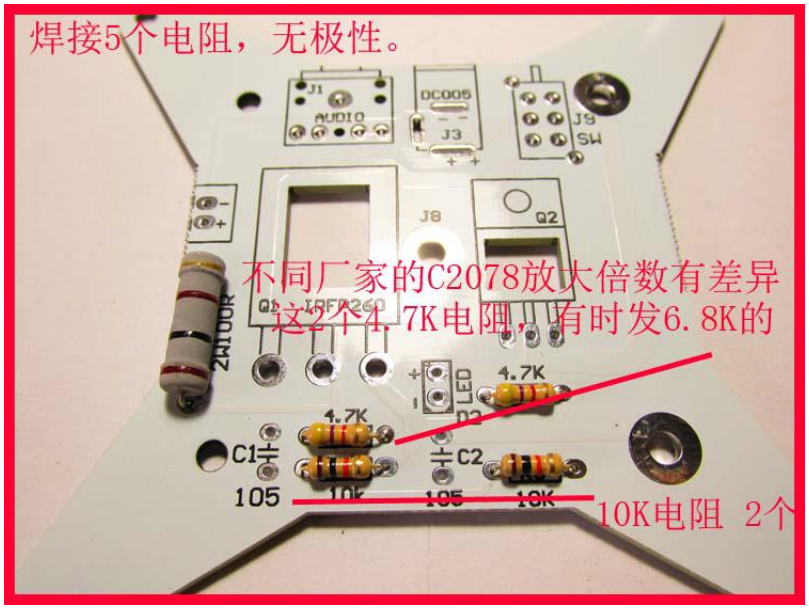
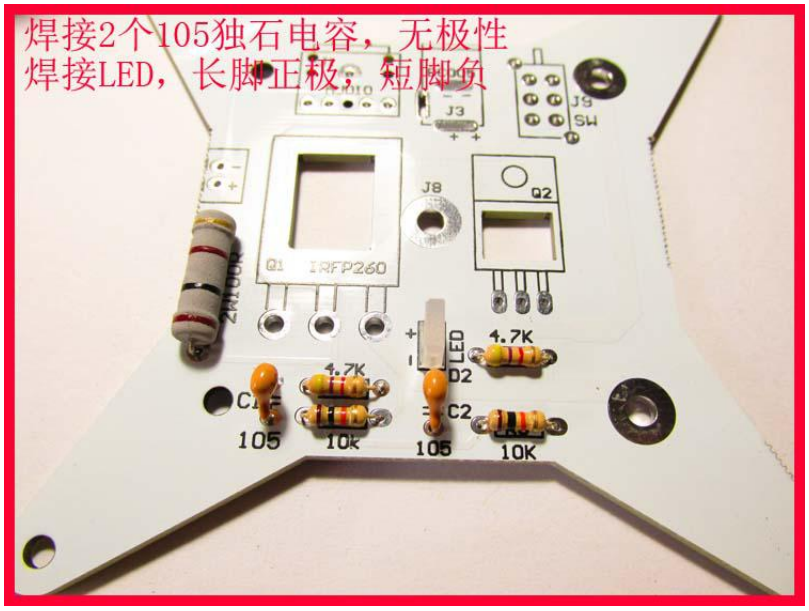
Instruction

1. Soldering 5 resistors, no polarity

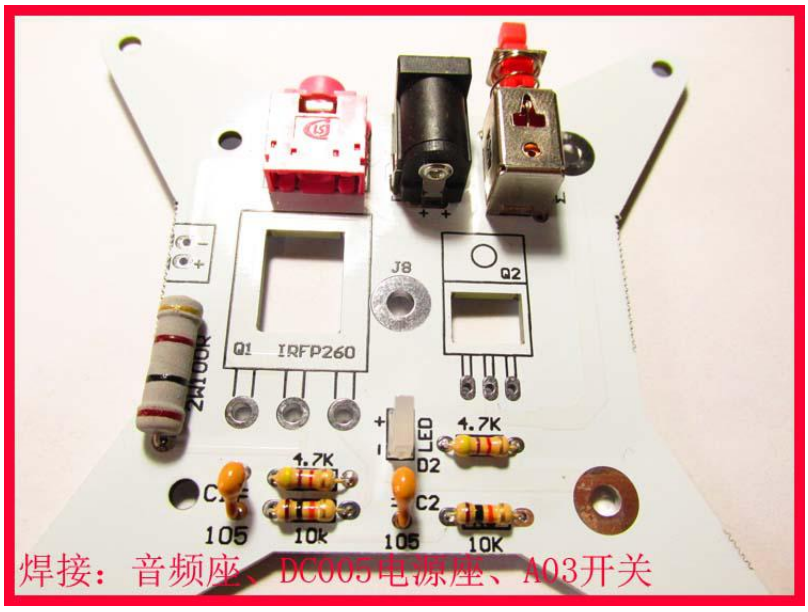
Different manufacturers have different magnifications for C2078. These two 4.7K resistors are sometimes 6.8K resistors



2. Soldering two 105 monolithic capacitors, no polarity, soldering LED, long leg positive pole, short leg negative pole

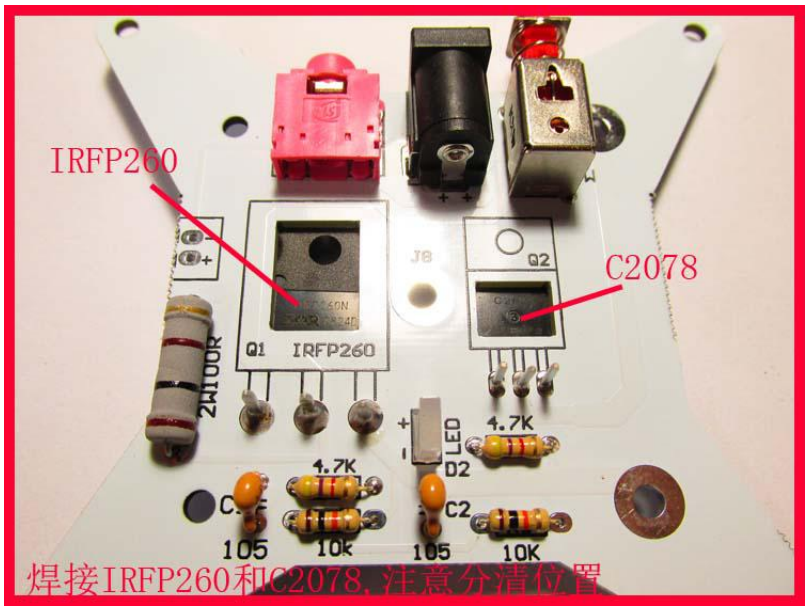


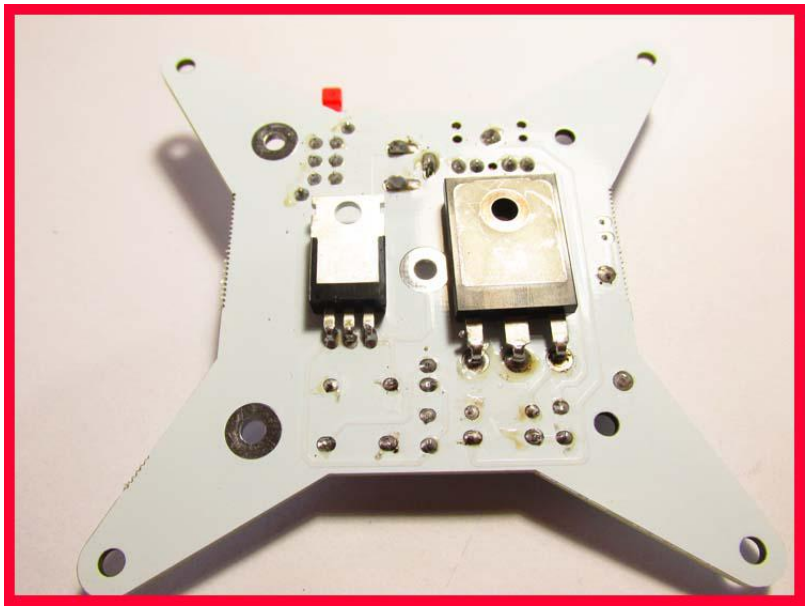
3. Welding audio base, DC005 power base, A03 switch



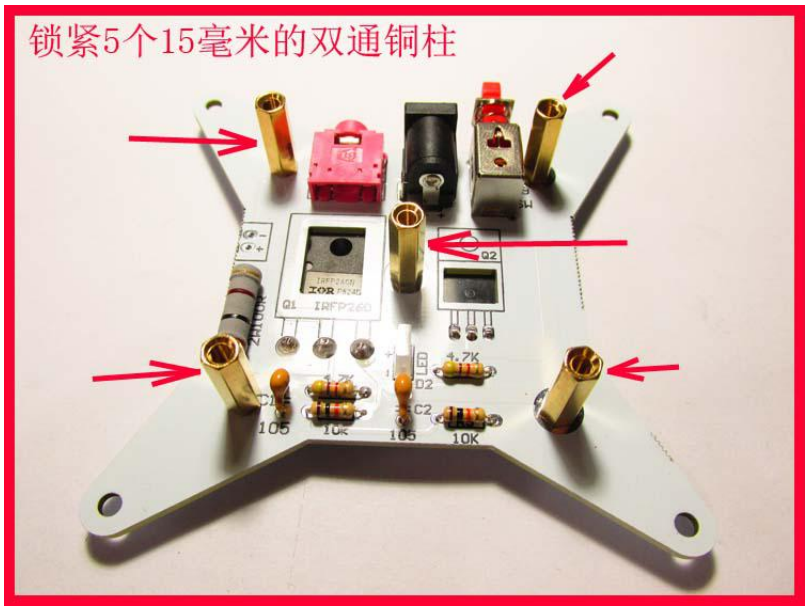
4. Use pliers to fold the pins of C2078 and IRFP260N to 90 degrees to the front

5. Weld IRFP260 and C2078, pay attention to the location

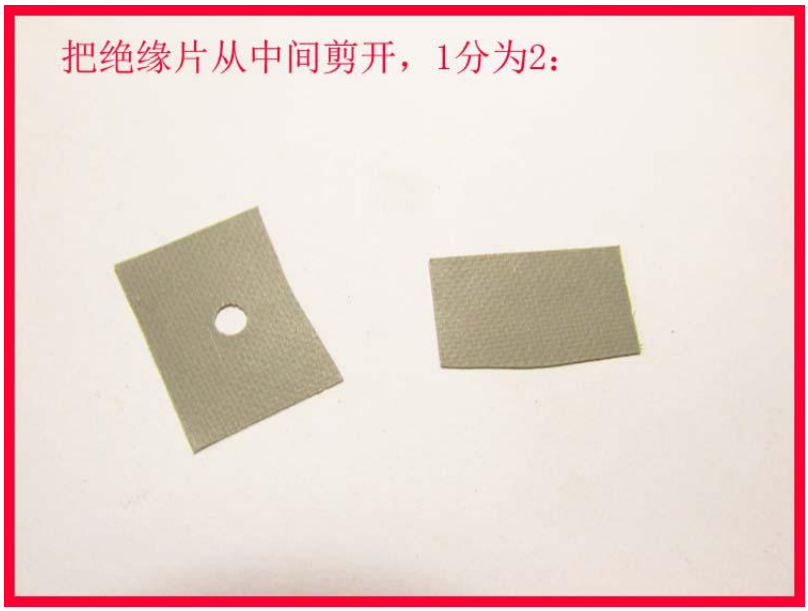




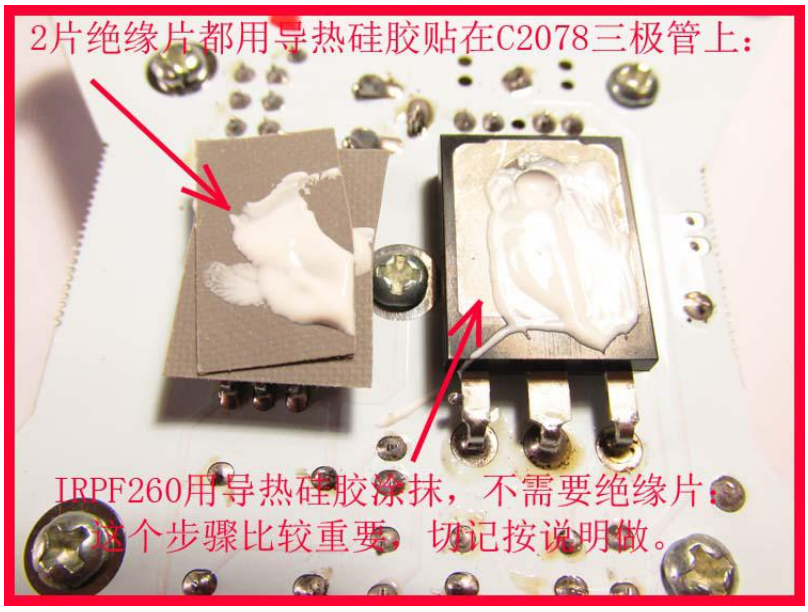
6. Lock five 15 mm double-pass copper posts



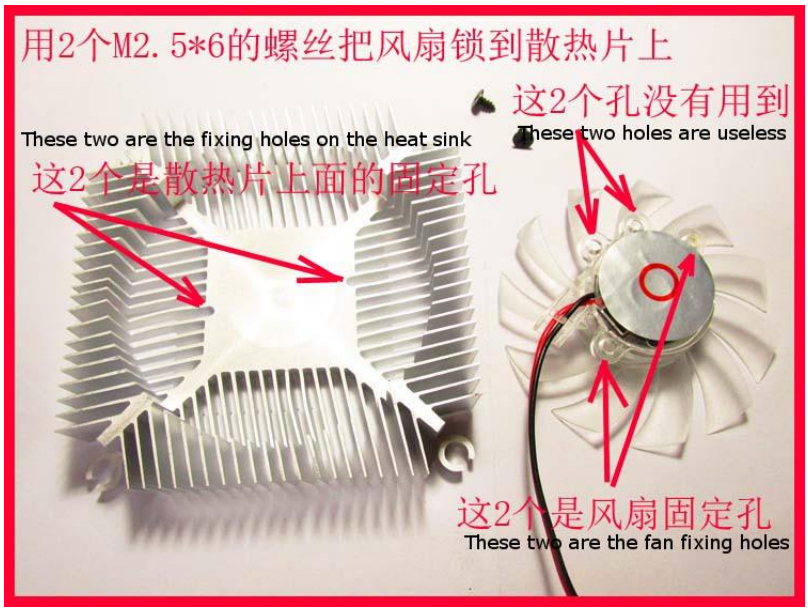
7. Cut the insulation sheet from the middle, 1 divided into 2



8. Both insulating sheets are attached to the C2078 transistor with thermally conductive silicone. IRPF260 is coated with thermal silica gel, no insulation sheet is needed, this step is more important, remember to follow the instructions.

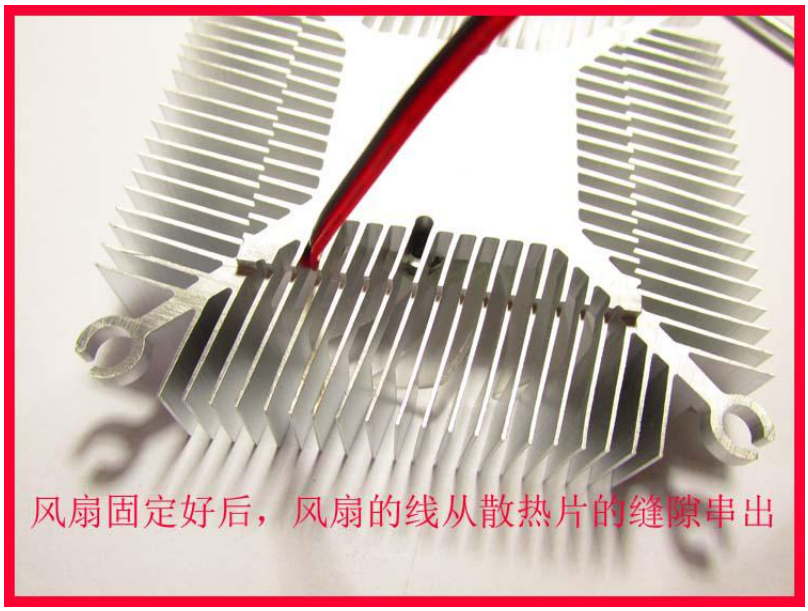


9. Use two M2.5*6 screws to lock the fan to the heat sink



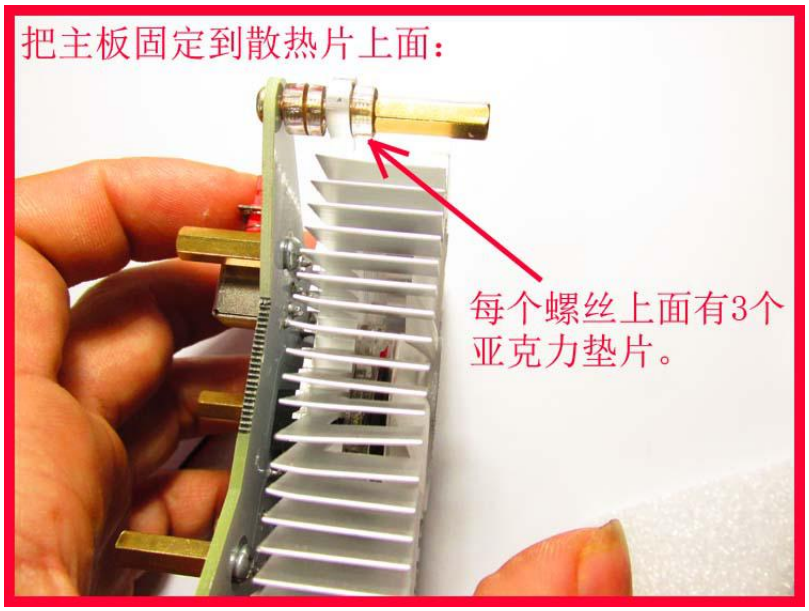
9.2 When screwing, the screw will fall off easily. You can solve this problem by sucking a small magnet on the screwdriver.

10. After the fan is fixed, the fan wire runs out from the gap of the heat sink.

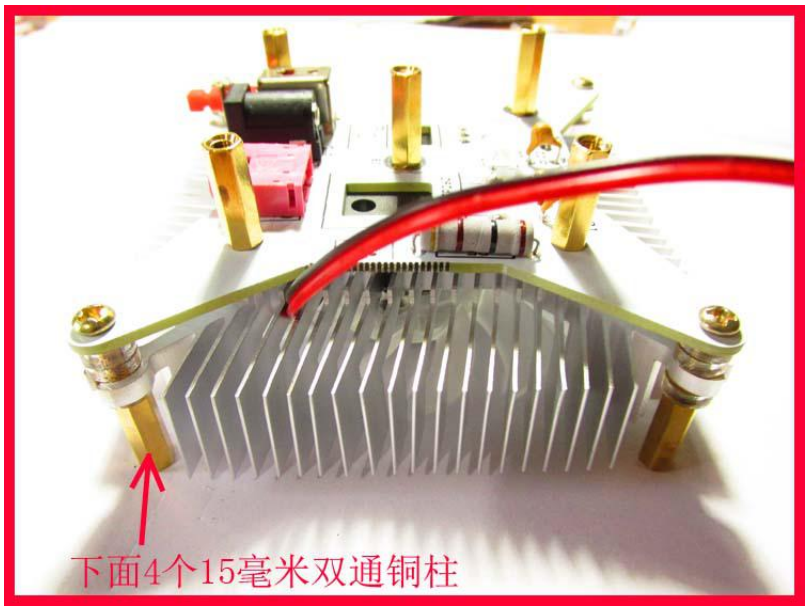


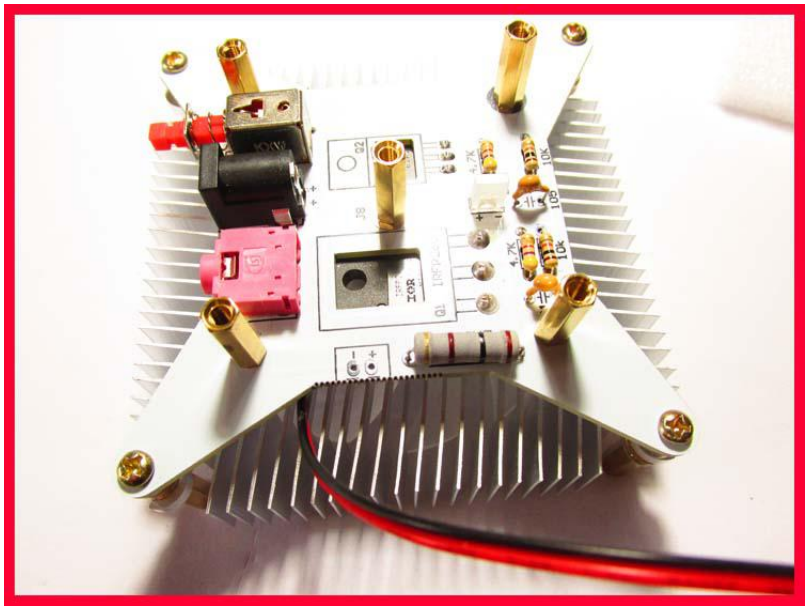
11. Use four M3*16 screws to go out from the four fixing holes of the motherboard from top to bottom, and then wear two acrylic pads on each screw

12. Fix the motherboard to the heat sink. There are 3 acrylic washers on each screw

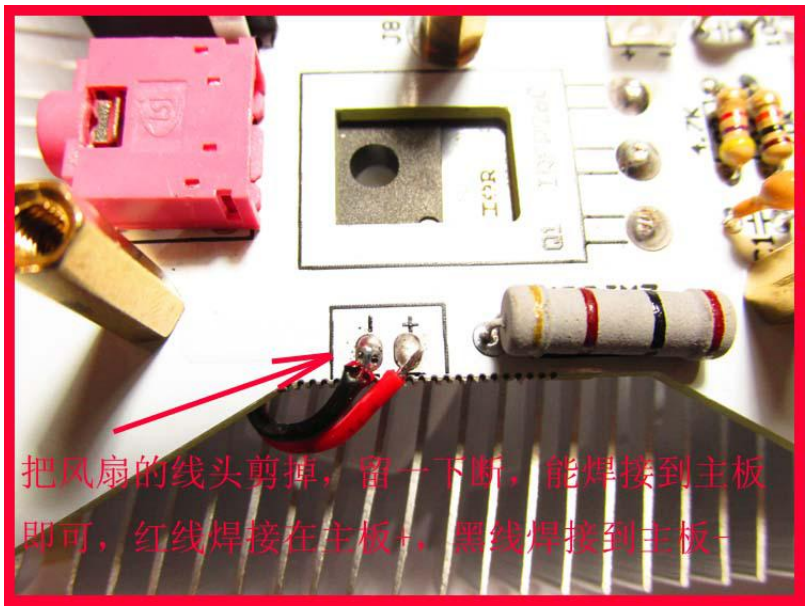


12.2. Four 15 mm double-pass copper posts below





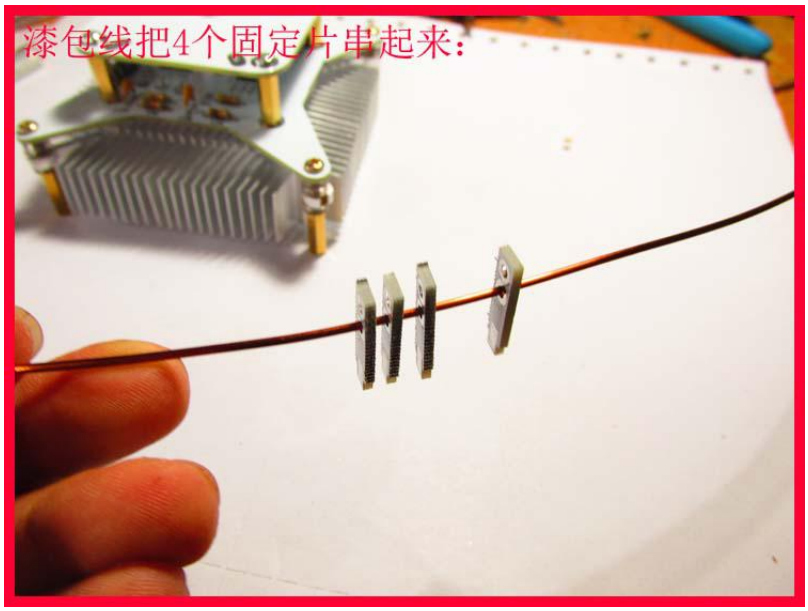
13. Cut off the wire ends of the fan, leave a piece of soldered motherboard, red wire soldered motherboard +, black wire soldered motherboard-



14. Fix the square PCB board on the motherboard with 4 screws. There is an important point to note in this step: two of the four fixing holes have pads, and the holes of these two pads must be placed on the right side. (There is no need to distinguish the front and back of the motherboard)

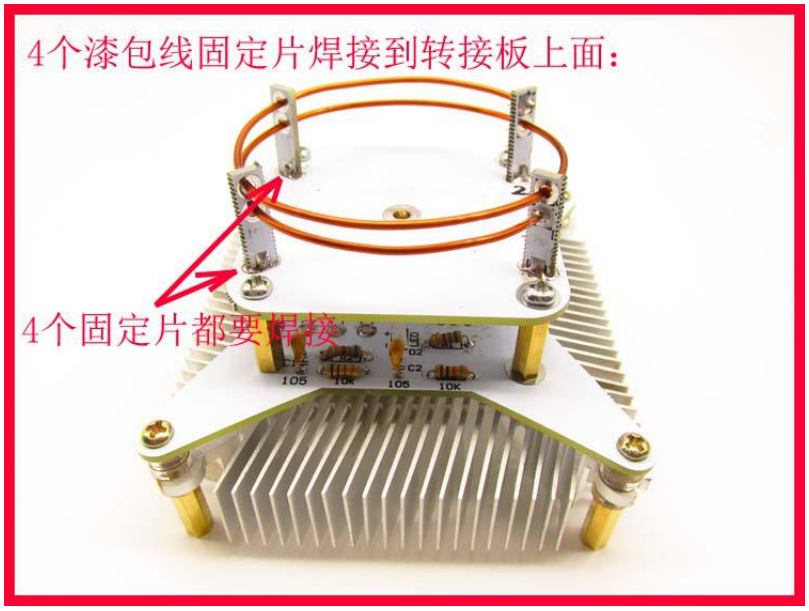
15. Use a blade to scrape away the thick enameled wire paint to facilitate subsequent welding.

16. Enameled wire stringing 4 fixing pieces

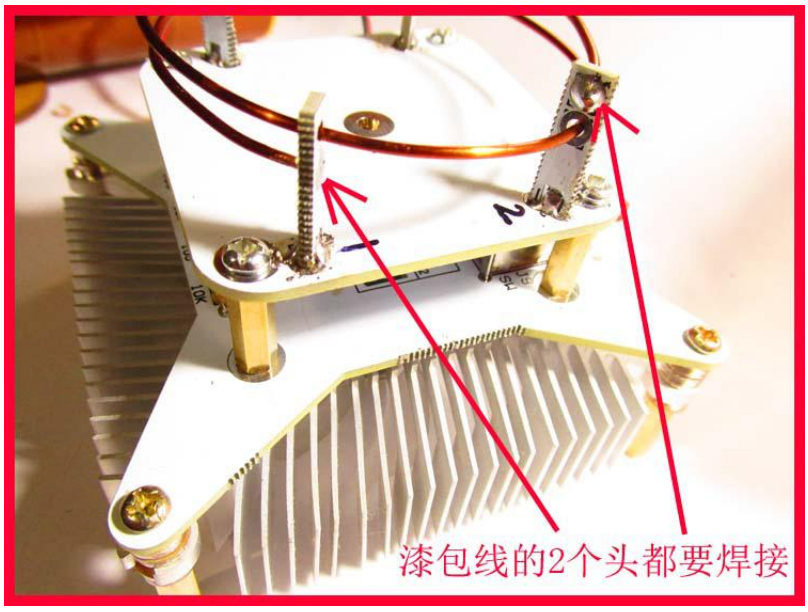


17. The enameled wire is one and a half times, and the four fixed pieces are allocated.

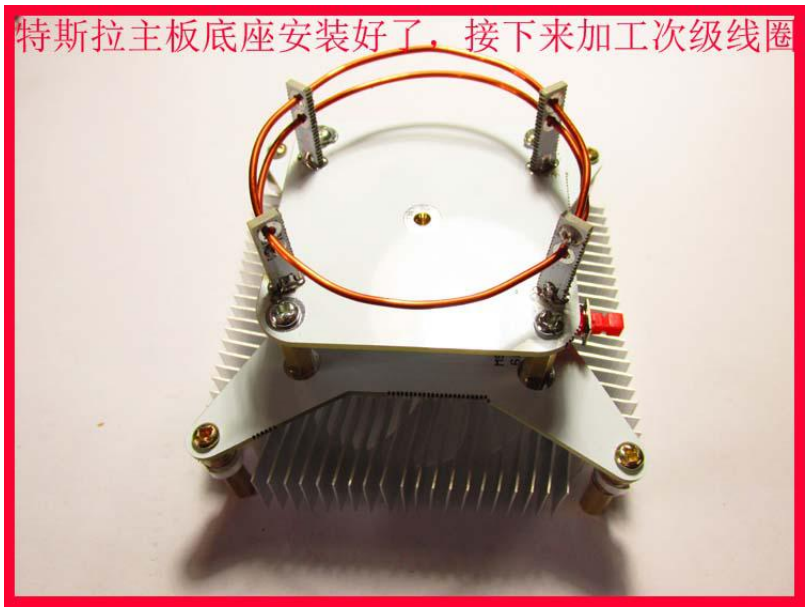
18. Four enameled wire fixing pieces are welded to the adapter plate. 4 fixing pieces must be welded



19. Both ends of the enameled wire need to be welded

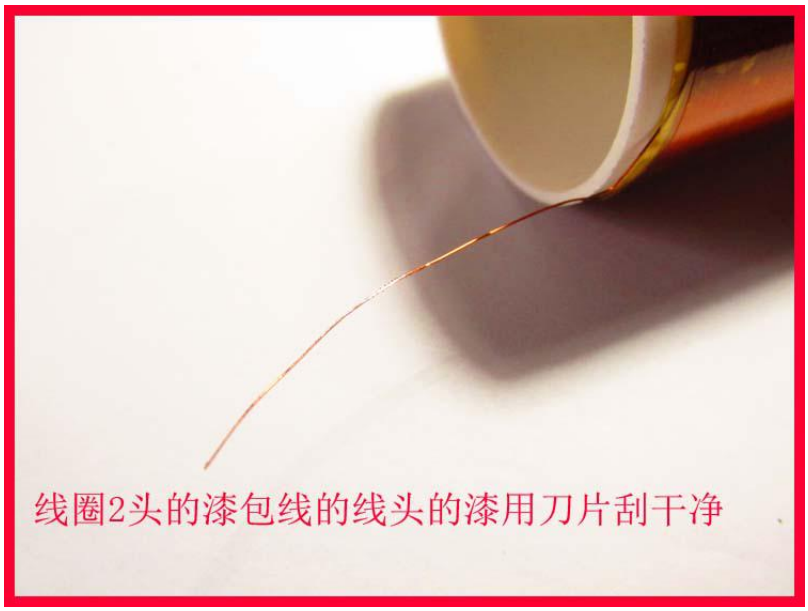


20. Install the base of the Tesla motherboard and process the secondary coils for wiring



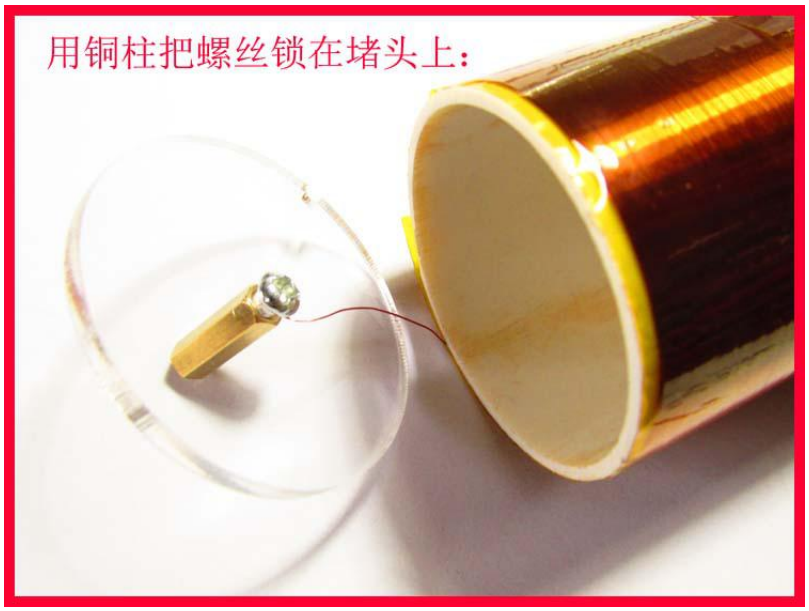
21. Tear off the acrylic protective film of the 2 secondary coils

22. Scrape off the paint on the two ends of the coil.

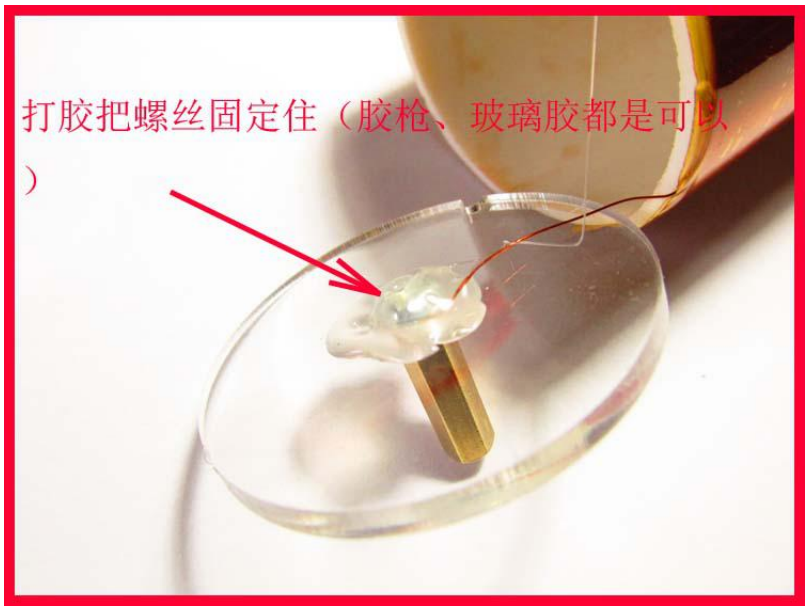


23. Bind a screw on each side of the secondary coil

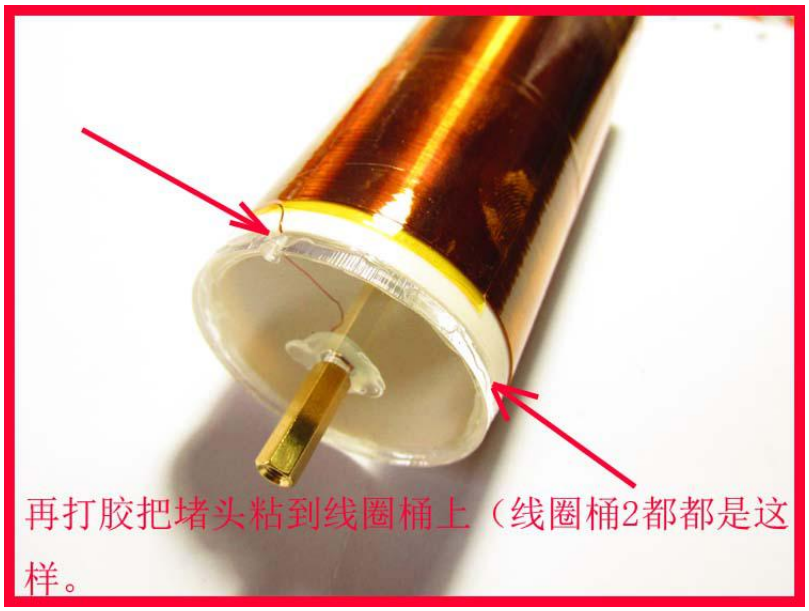
24. Use a copper post to lock the screw to the plug



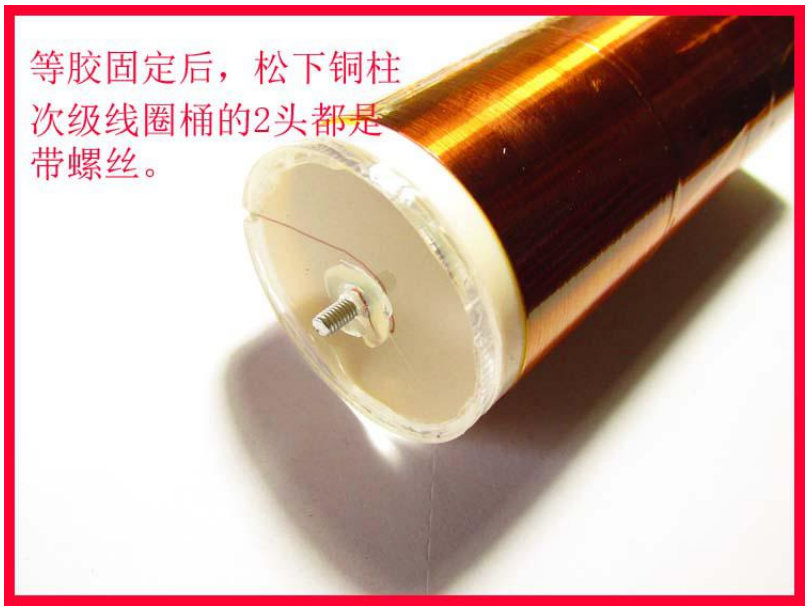
25. Fix the screws by disturbing (glue gun, glass glue)



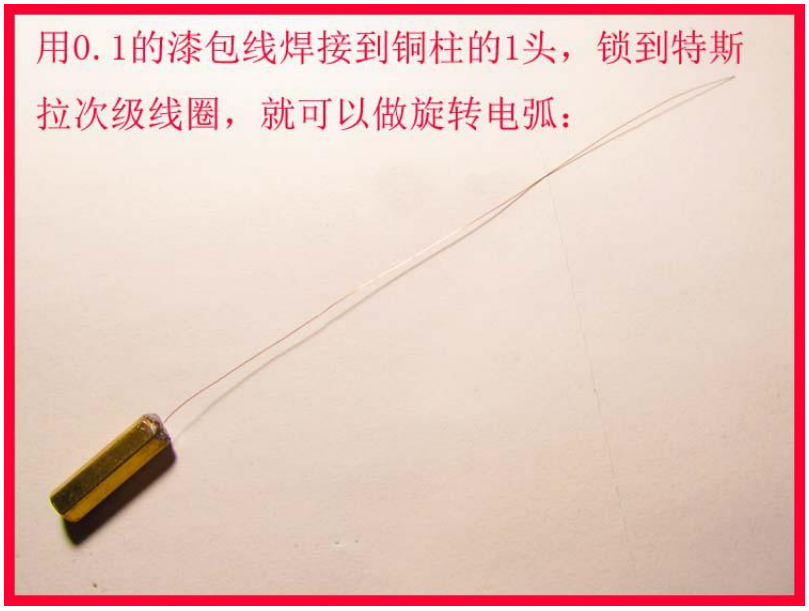
26. Apply glue again to stick the plug to the coil barrel (the same operation for coil barrel 2)



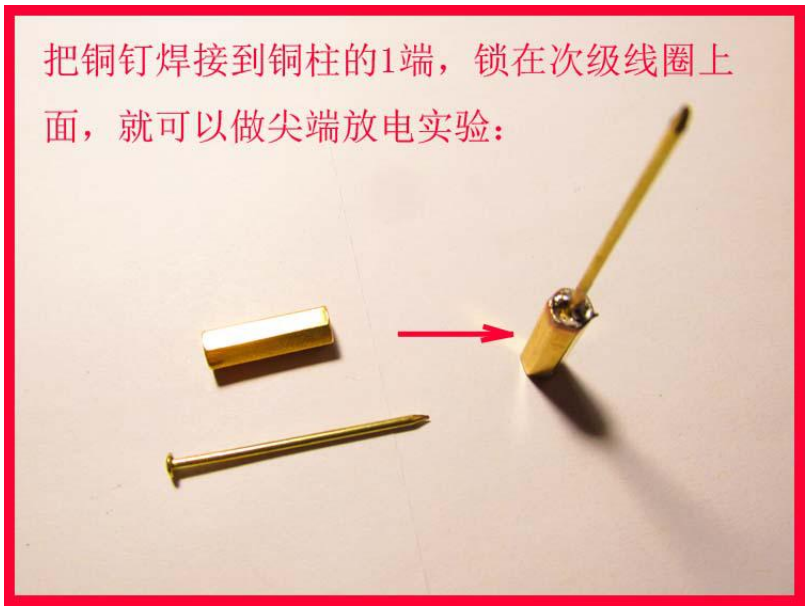
27. After the glue is fixed, loosen the copper column, and both ends of the secondary coil barrel are with screws



28. Use 0.1 enameled wire to weld to the end of the copper column and lock it to the Tesla secondary coil to make a rotating arc

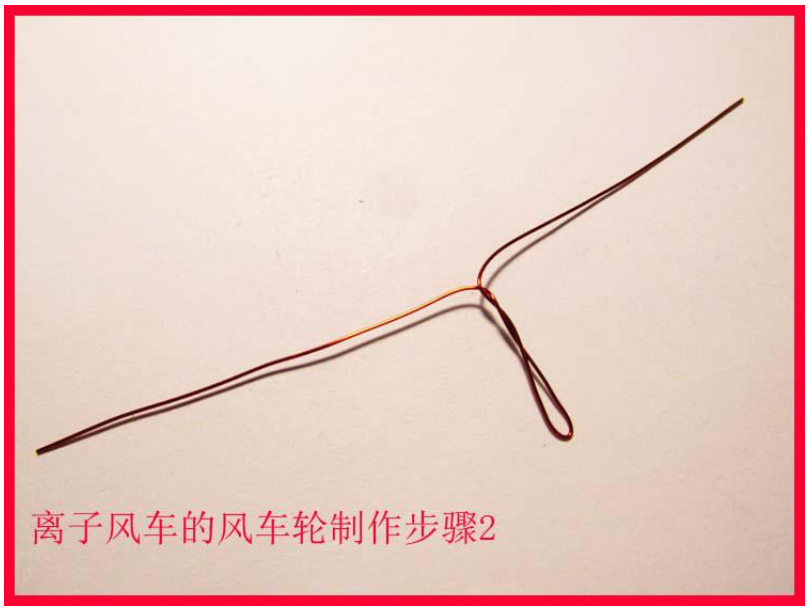


29. Weld copper nails to one end of the copper pillars and lock them on the secondary coils to perform tip discharge experiments.

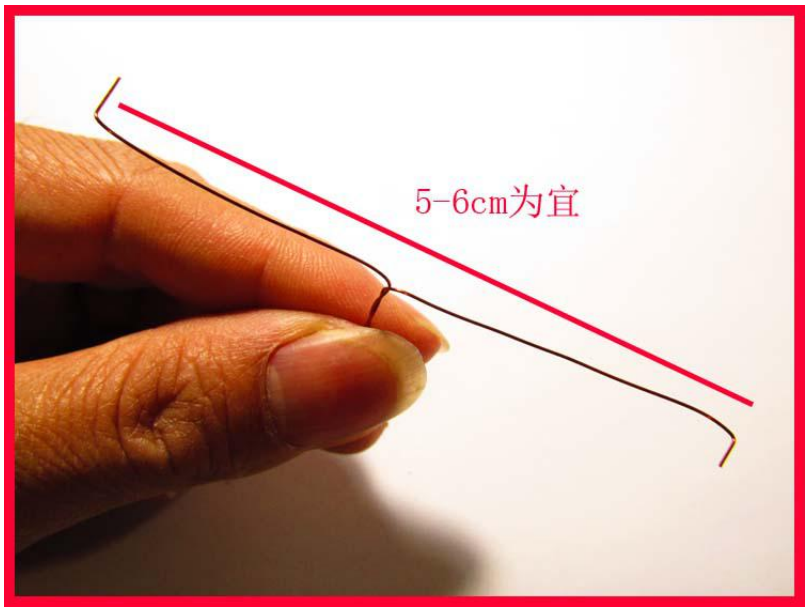


30. 0.35 enameled wire folded in half, Ionic windmill wind wheel manufacturing step 1

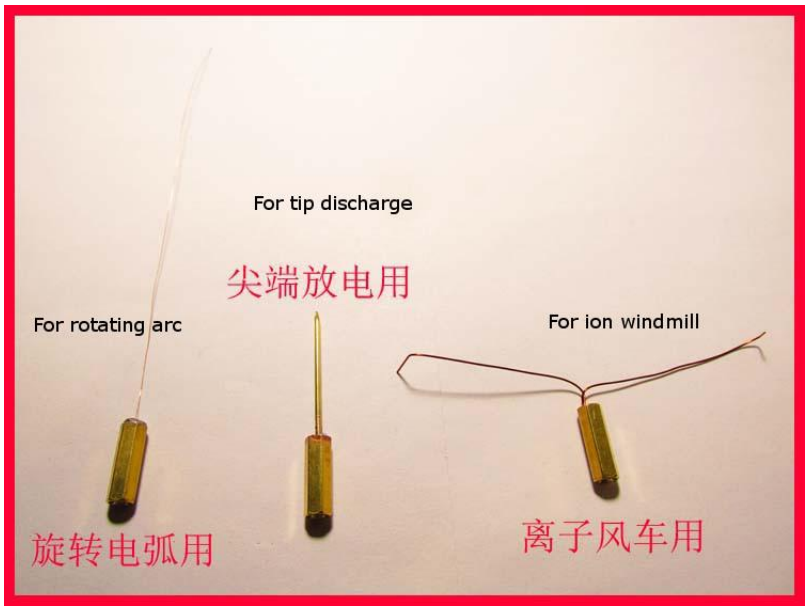
31. Steps for making a wind wheel for an ion windmill 2



31. 5-6cm is appropriate



32.



Schematic diagram: