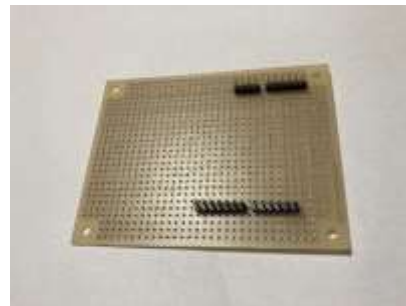
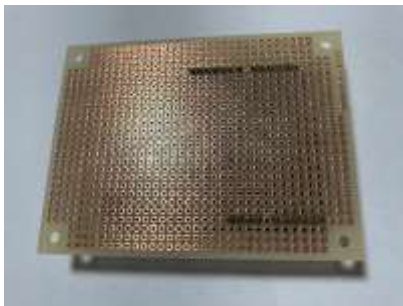


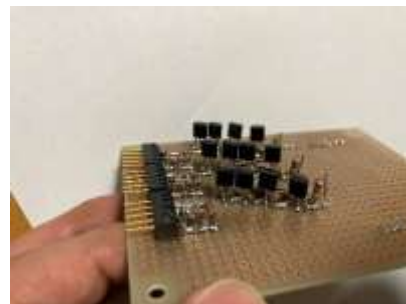
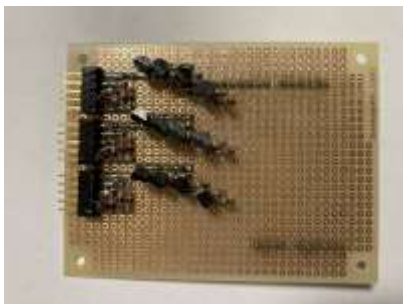
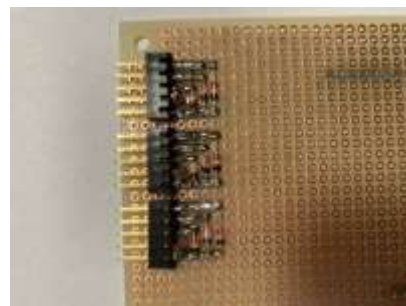
1. In this repository, you use an Arduino Uno Rev3.



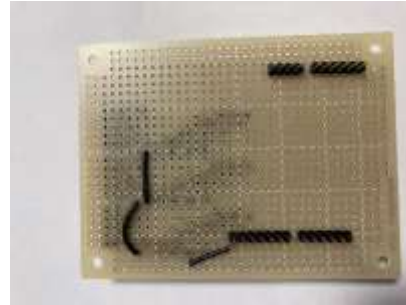
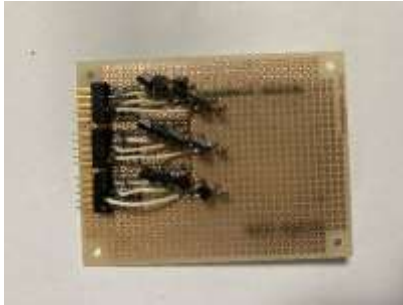
2. Arduino pins 2-13, A0-A5, 5V, GND are used. You soldered pin headers to the universal board for those pin sockets. Size of universal board is 72mm x 95mm x 1.2mm.



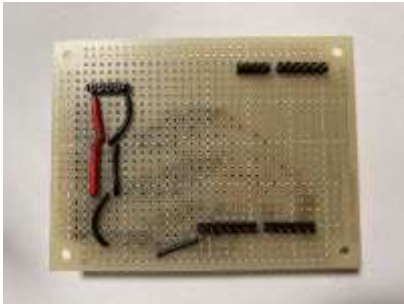
3. You solder header pins, diodes, transistors and base resistors (1kohm) for the stepper motors.



4. You connect the header pin to the collector of the transistor. Also, you connect GND lines.



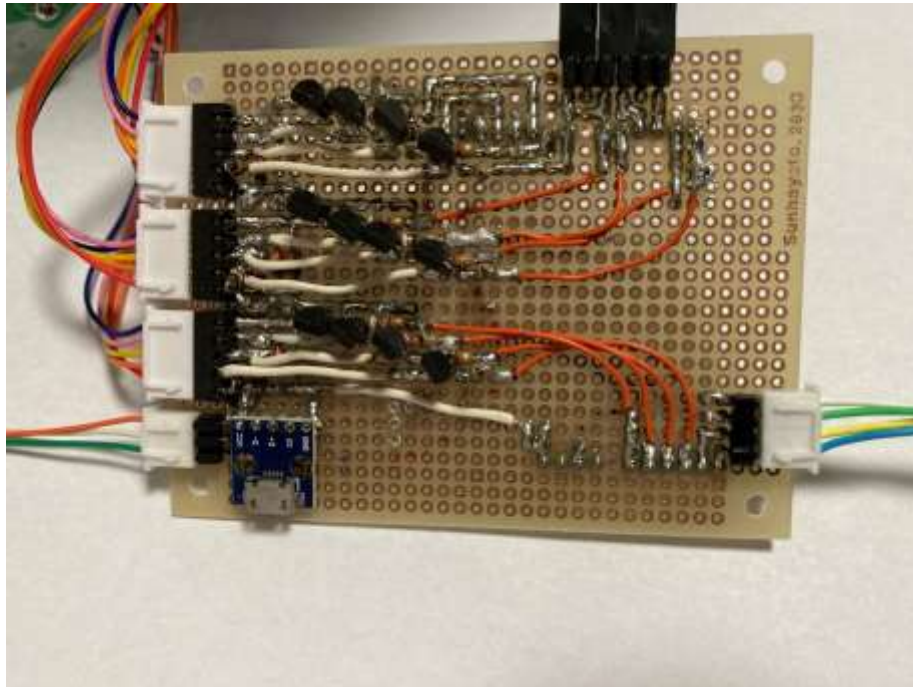
5. You solder a 5-pin header for micro-USB and connect it to the 5V power line of the stepper motors and Arduino Uno.



6. You connect the Arduino pin to the base resistors of the transistors. Attach 3-pin headers for servo motors and three 2-pin headers for three limit switches in the same way.



7. You also attach the controller's 4-pin header.



8. You also make the controller circuit. I made the controller circuit on a breadboard. I used the tact switches with LED.

