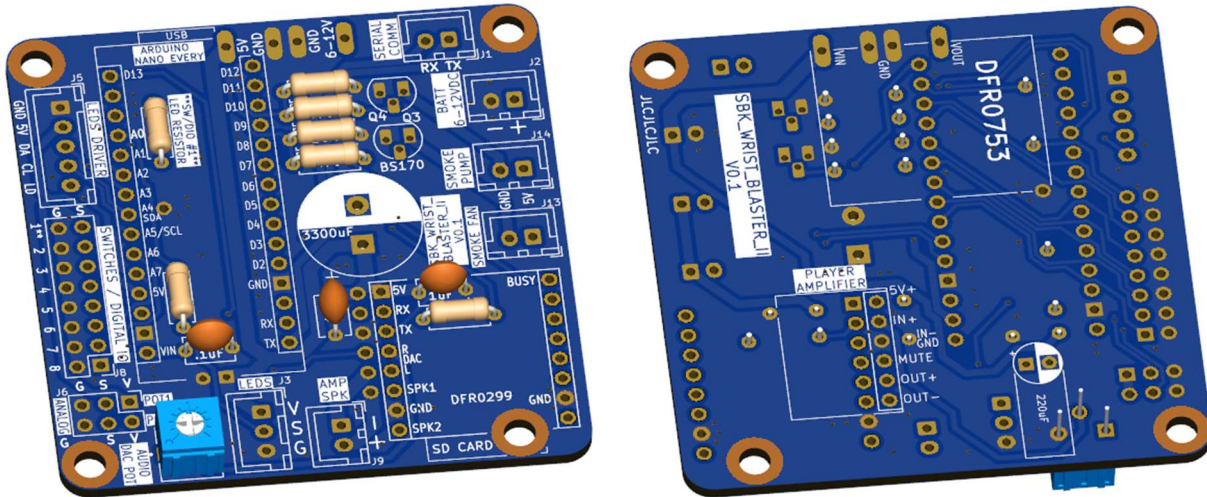


Wrist Blaster Main PCB assembly Guide V1

Step 1 : Collect and gather all components for your board.

Step 2 : Solder small heights components first.

- Resistors;
- Ceramic capacitors;
- Audio trim pot.

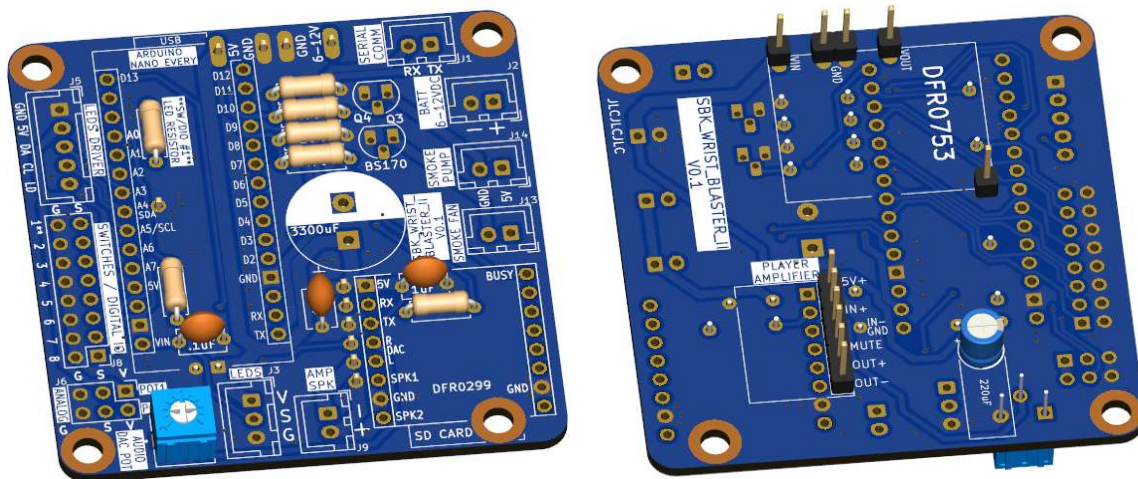


Step 3 : Solder these components on BOTTOM side :

- Power Supply HEADER PINS ONLY ;
- Amplifier module HEADER PINS ONLY ;
- Electrolytic capacitor.

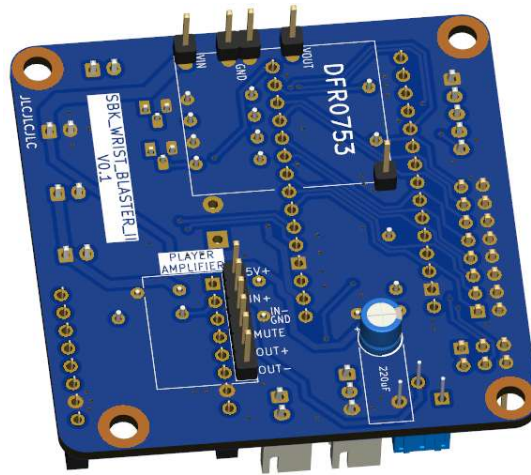
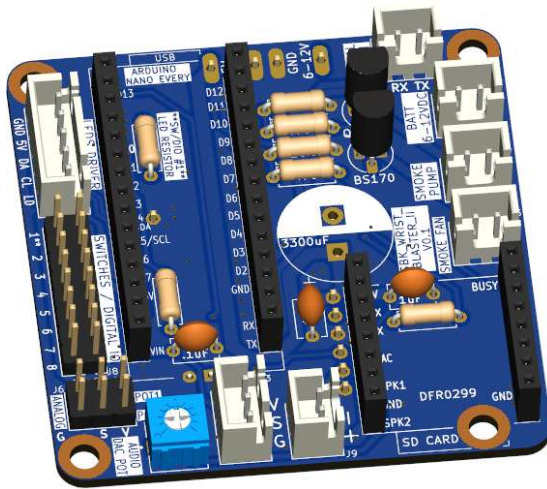
Power and amplifier modules should be added only in the last steps : if you solder the modules now, you won't be able to add some components.

Since the power module has single headers pins, you can use the module with tape to help you hold the headers in place to solder them on the PCB. ***You could also use a 6 pins header and remove the two extra pins, making soldering easier.***



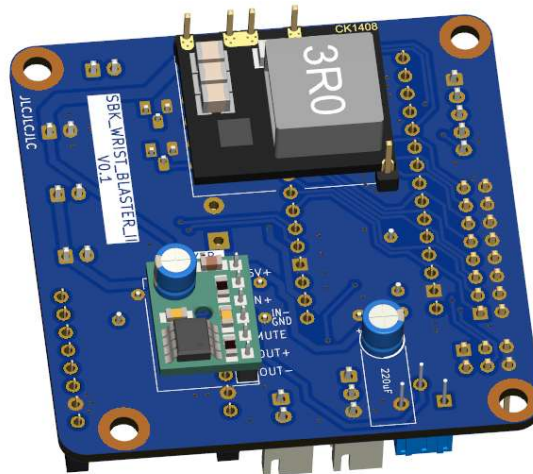
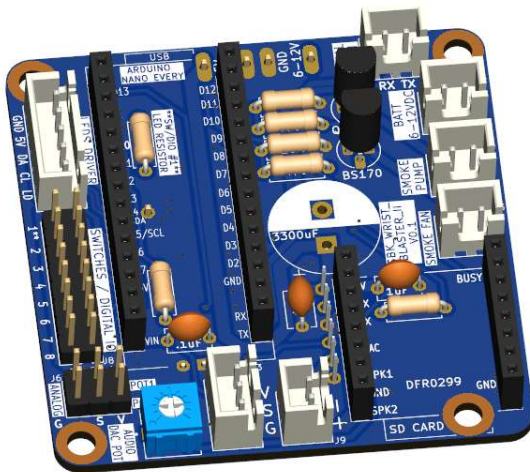
Step 4: Solder “medium” heights components on the TOP SIDE :

- JST-XH terminals ;
- Pins header sockets ;
- MOSFETs.



Step 5: Solder the bottom side components :

- Power module ;
- Amplifier module.



Step 6 : ***IMPORTANT :*** Discharge the electrolytic capacitor by putting a resistor (1 to 10K Ohms) for a few seconds (10 to 20 seconds) before putting it on the board. You could confirm that it is discharged with a multimeter. Charged capacitor can damage components while mounting them on the PCB.

Step 7: Solder the big electrolytic capacitor (1500uF) on TOP SIDE.

