

Arduino Power Supply Recipe

Recipe to build the Arduino Power Supply project

Components

- Myrra 47122 AC/DC module 5V 2.75W (<http://canada.newark.com/myrra/47122/power-supply-2-75w-5vdc/dp/90R9579>)
- 2-pin screw terminal 5mm pitch (<https://www.sparkfun.com/products/8432>)
- 4-pin header (<https://www.sparkfun.com/products/116>)
- 3.3V voltage regulator (<https://www.sparkfun.com/products/526>)
- 10uF polarized capacitor
- 100nF capacitor
- PCB (see Fabrication step)

Fabrication

- Send the EAGLE files at <https://github.com/openhardwarelabs/arduino-power-supply/tree/master/pcb>
- Send these files to a PCB manufacturer
- Wait until you receive the PCB

Assembly

- Mount all the small components on the PCB and solder them
- Mount the Myrra AC/DC module and solder it

Test

- Connect the 2-pin screw terminal to the main power, for example with a male power plug
- Use a voltmeter to check the output 5V & 3.3V pins