

Arduino Watchdog PCB – Production

Parts list:

1x 555 timer chip.

1x 1M ohm resistor.

1x 220 ohm resistor.

1x 100 ohm resistor. You may need to get this from the resistor kits at the space.

The big blue resistor (560 ohm) is no longer used -- if it's in your kit please put it aside. See finished photos for help distinguishing the resistors, or check the diagrams in the resistor kits at the space.

1x diode.

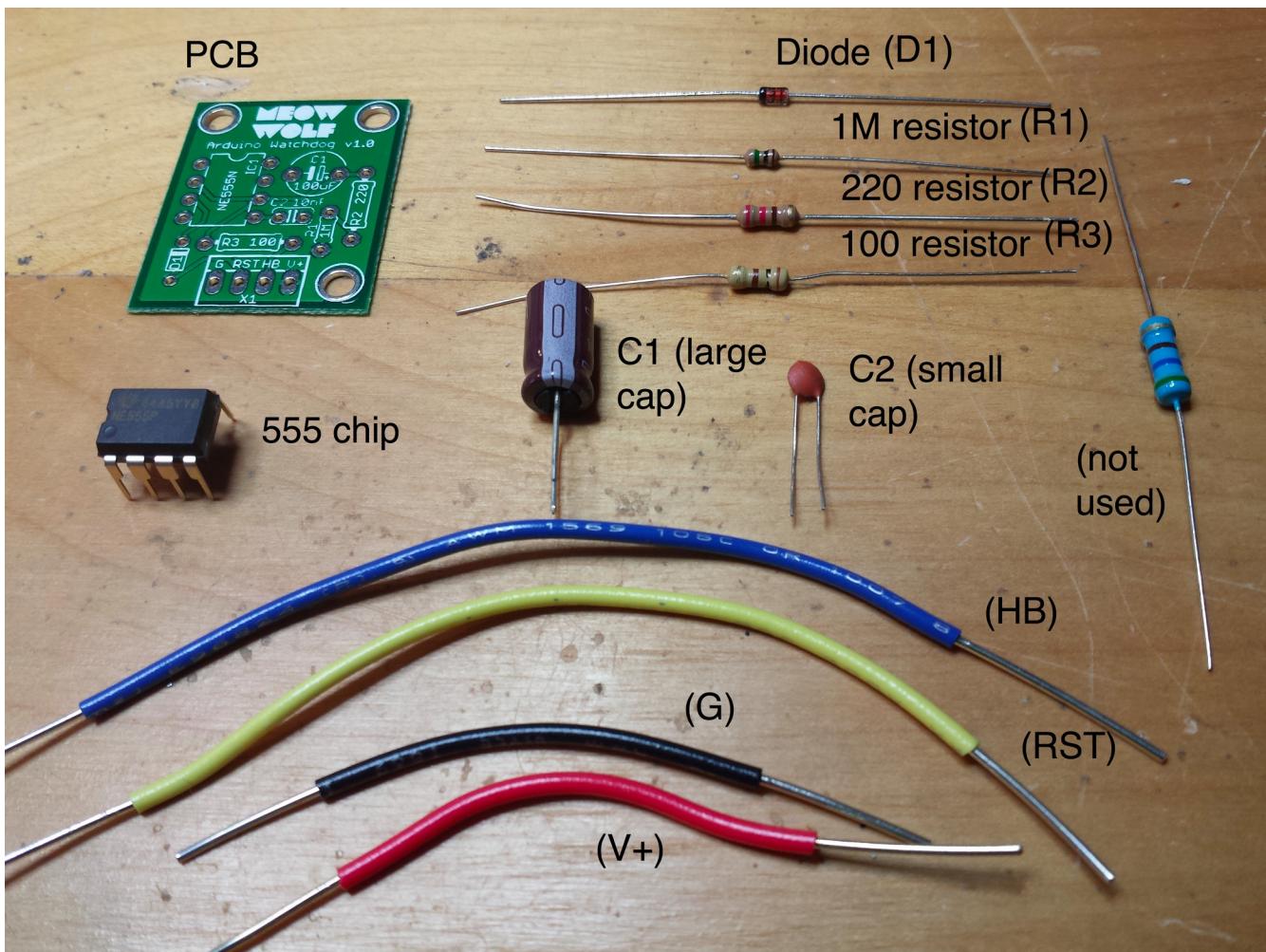
1x 100 uF/mF capacitor (C1 below, large cap)

1x 10 nF capacitor (C2 below, small cap)

1x "Meow Wolf Arduino Watchdog v1.0" PCB

Colored wires (red, black, yellow and blue).

See next page for a photo diagram.



Place components as shown into the board, one by one, and solder each one before moving on to the next. I recommend starting with the 555 chip, then the other components, then the wires last.

Important Notes:

- the notch/dot on the 555 chip MUST match the notch printed on the board. Double-check the orientation before soldering.
- the dark stripe on the diode (D1) MUST match the white stripe printed on the board. Double-check the orientation before soldering.
- the white stripe on the large cap (C1, as shown in the photo above) MUST match the white stripe printed on the board. Double-check the orientation before soldering.
- see photo next page for the completed board. You can use it as a guide.

