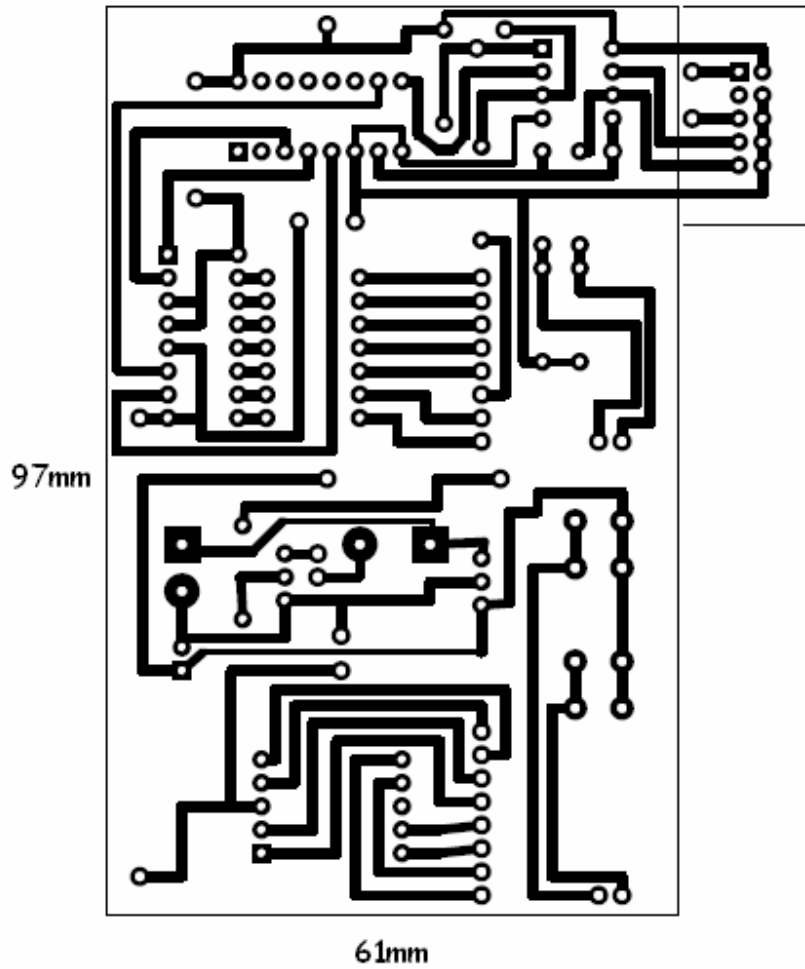


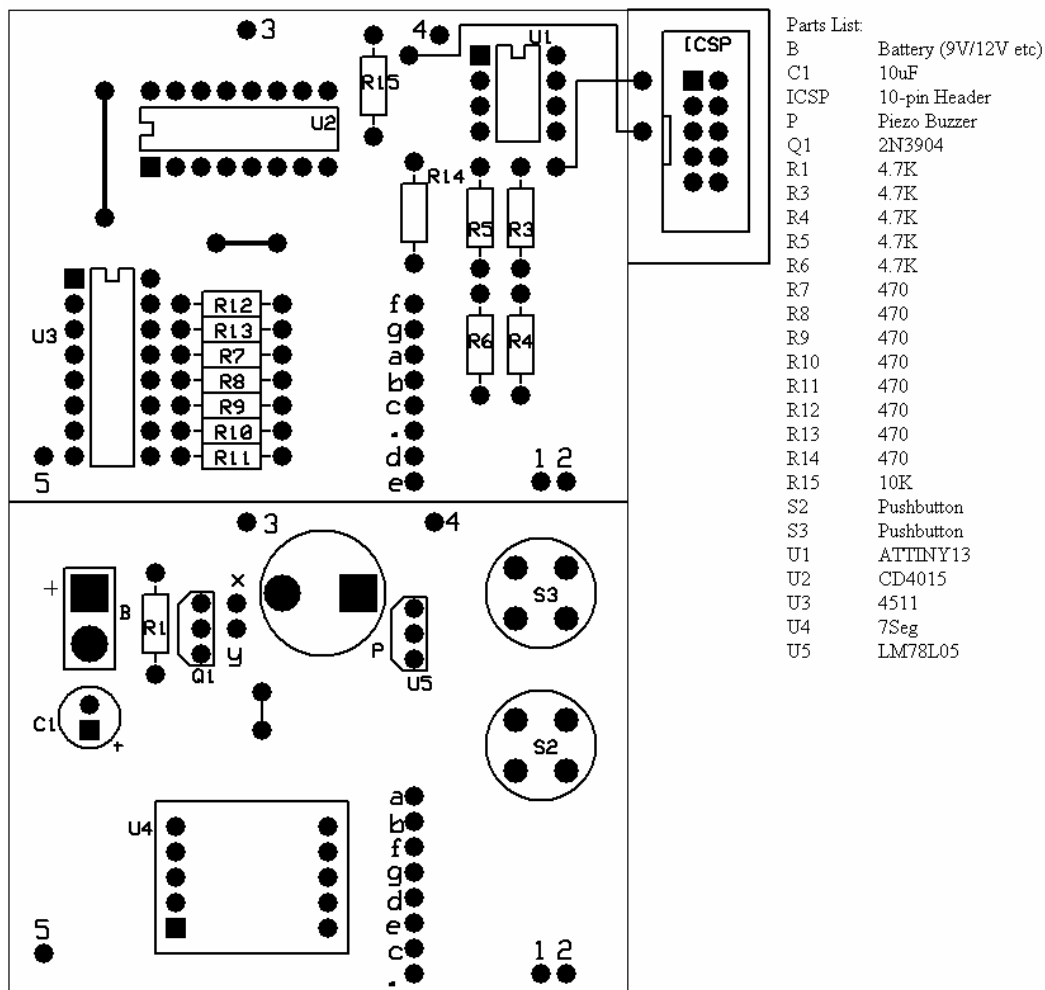
## DIY Digital Metronome 1.0

### PCB



(Needs to be printed to scale)

## Layout



### Notes:

For volume control, connect a 50K Log pot to points **x** and **y**. Otherwise short **x** and **y**.

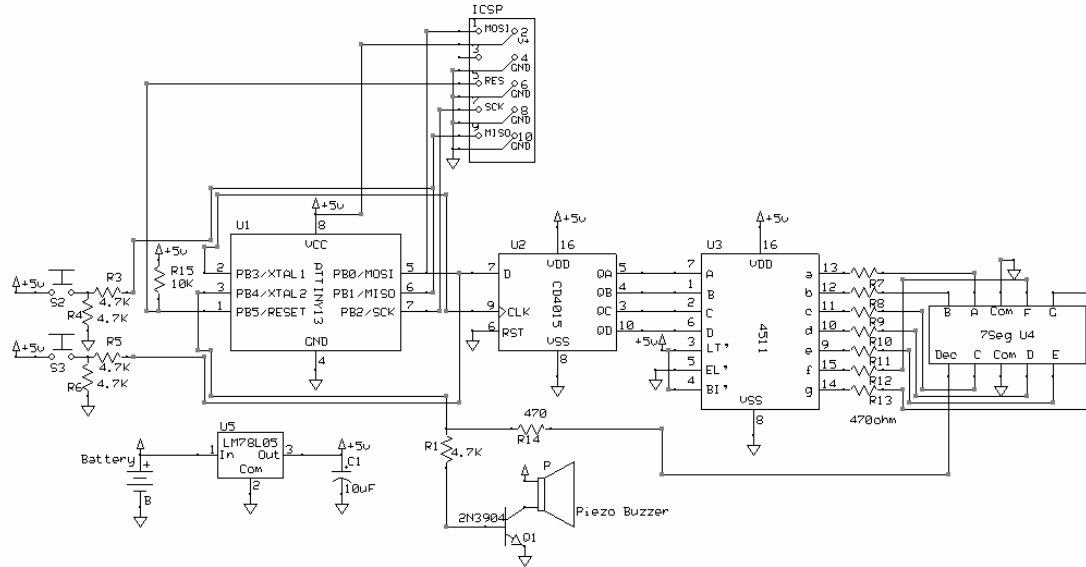
Board is designed to be cut in the middle, and one board placed above the other.

Once the chip has been programmed, the piece of board with the ICSP connector can be removed if you wish.

U4 is a common cathode 7-segment LED display.

The battery should match the Piezo buzzer you are using. I.e. if you are using a buzzer that needs 12V, then that is the battery voltage you should use. As long as the battery is above about 6V, the circuit should run OK.

## Schematic



# Program

The .hex program file for the ATTiny13 can be downloaded from:

[http://www.geocities.com/race\\_driver205/metro.x](http://www.geocities.com/race_driver205/metro.x)

(rename the file to “metro.hex” when you have downloaded it)

The C program code is available here:

[http://www.geocities.com/race\\_driver205/metro.c](http://www.geocities.com/race_driver205/metro.c)