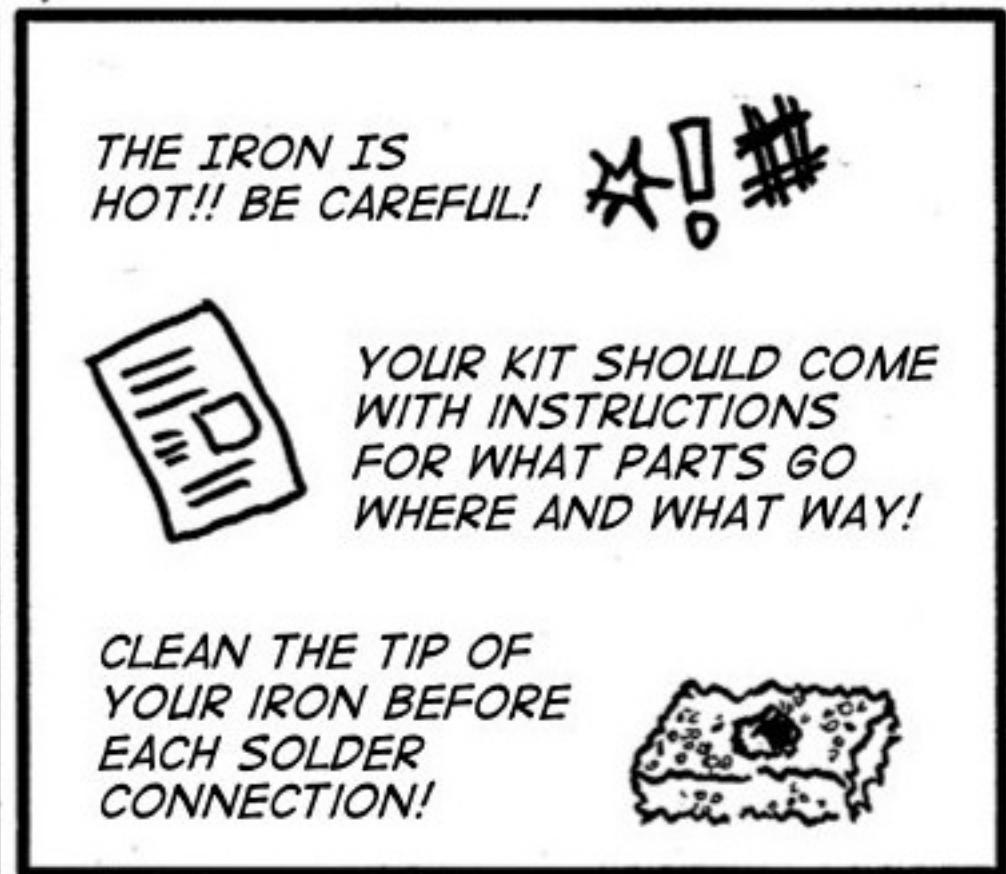
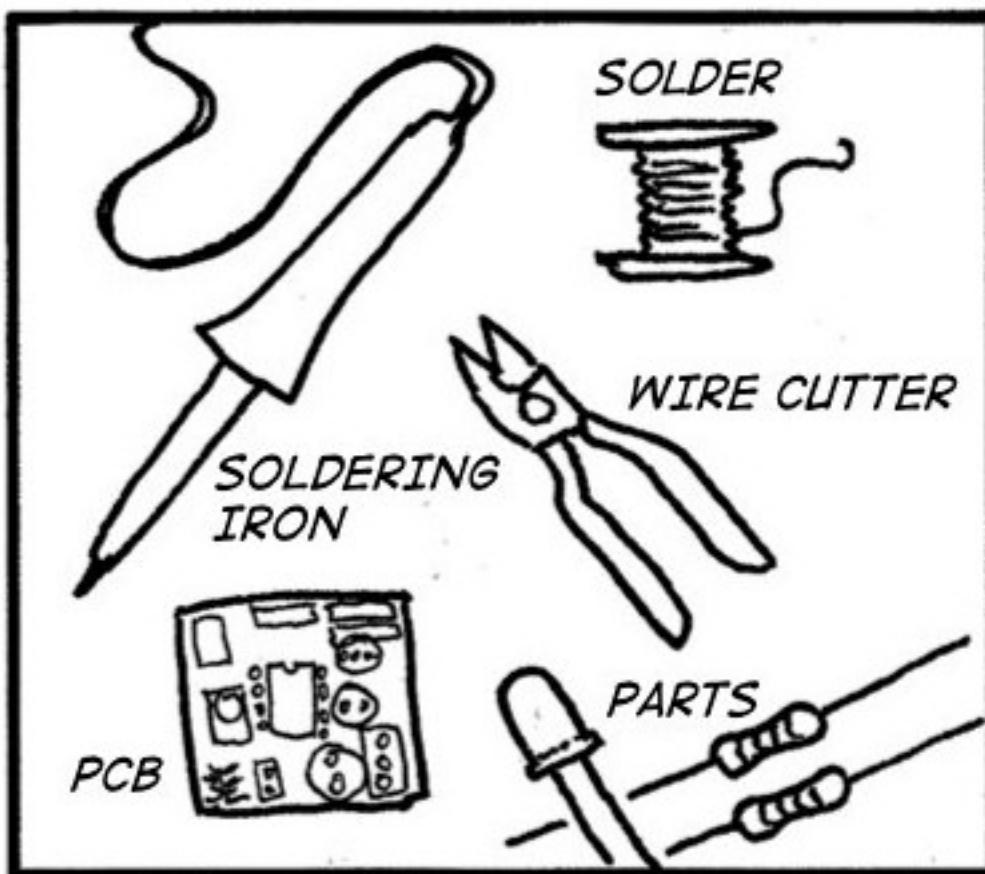




Who wouldn't like to build their own things?



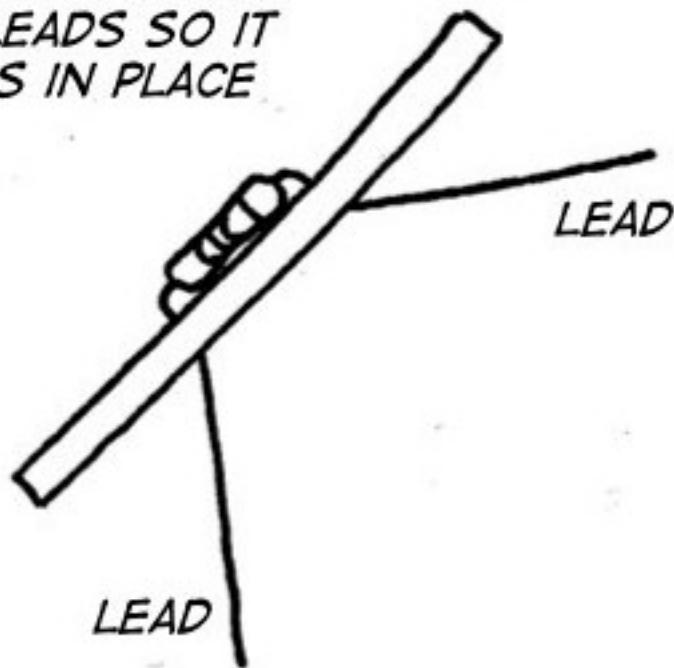
How To Solder





How To Solder

PUT YOUR PART IN PLACE. BEND OUT THE LEADS SO IT STAYS IN PLACE



PUT THE PCB DOWN SO YOU CAN SOLDER.

CAREFUL WITH THE SURFACE UNDERNEATH!

FIND SOME GOOD WAY TO KEEP IT STEADY



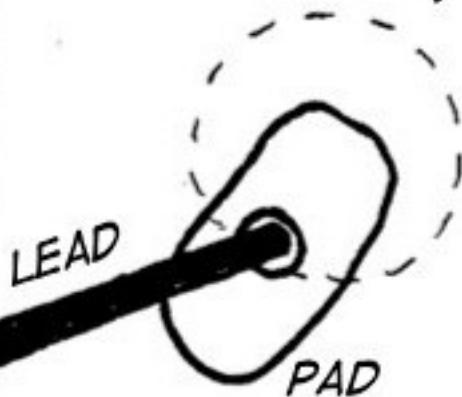
IF YOU NEED A THIRD HAND, YOU CAN MAKE A STANDING COIL OF THE SOLDER INSTEAD OF HOLDING IT IN YOUR HAND



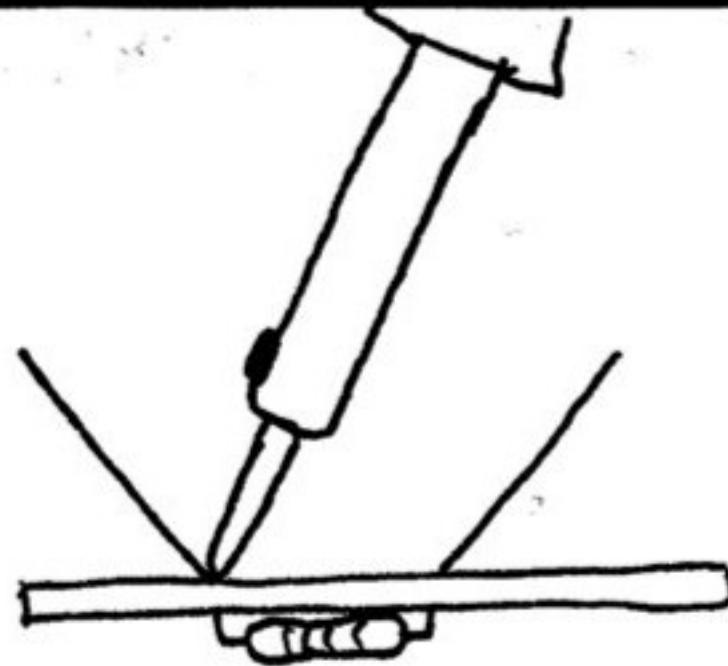
How To Solder

OK, LETS SOLDER!

*FIRST, YOU WANT TO **HEAT**
BOTH THE PAD AND THE LEAD
FOR ABOUT **1 SECOND***



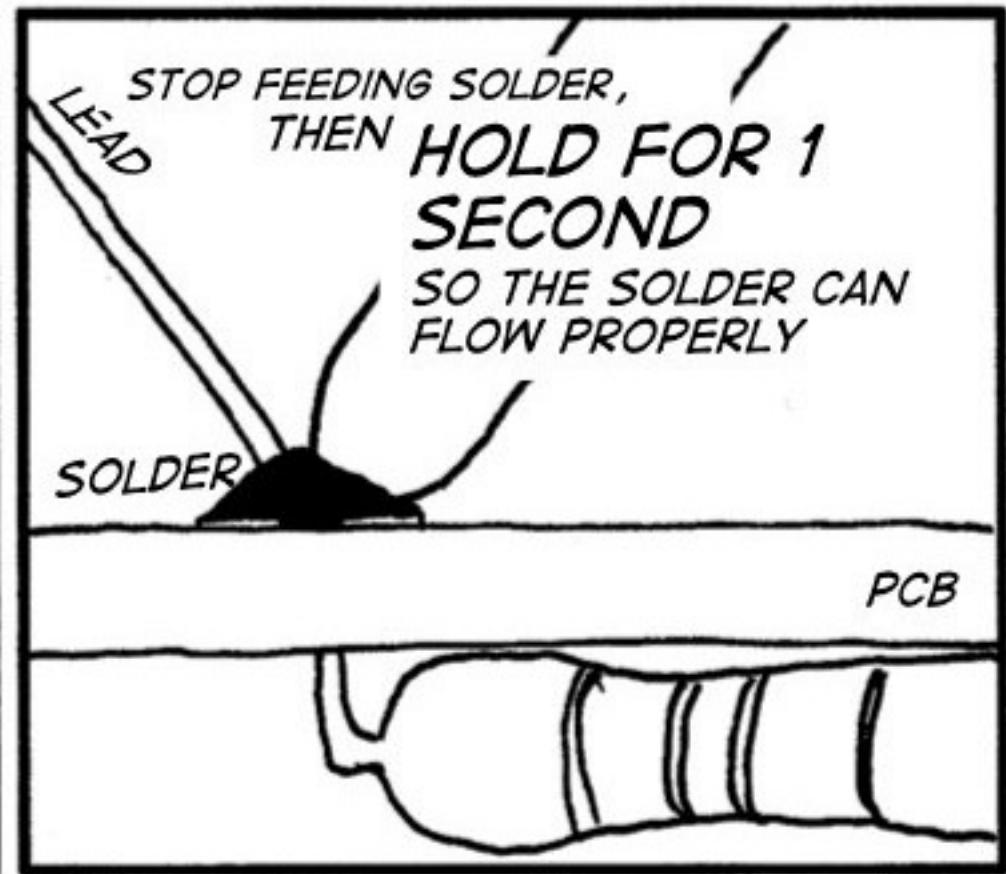
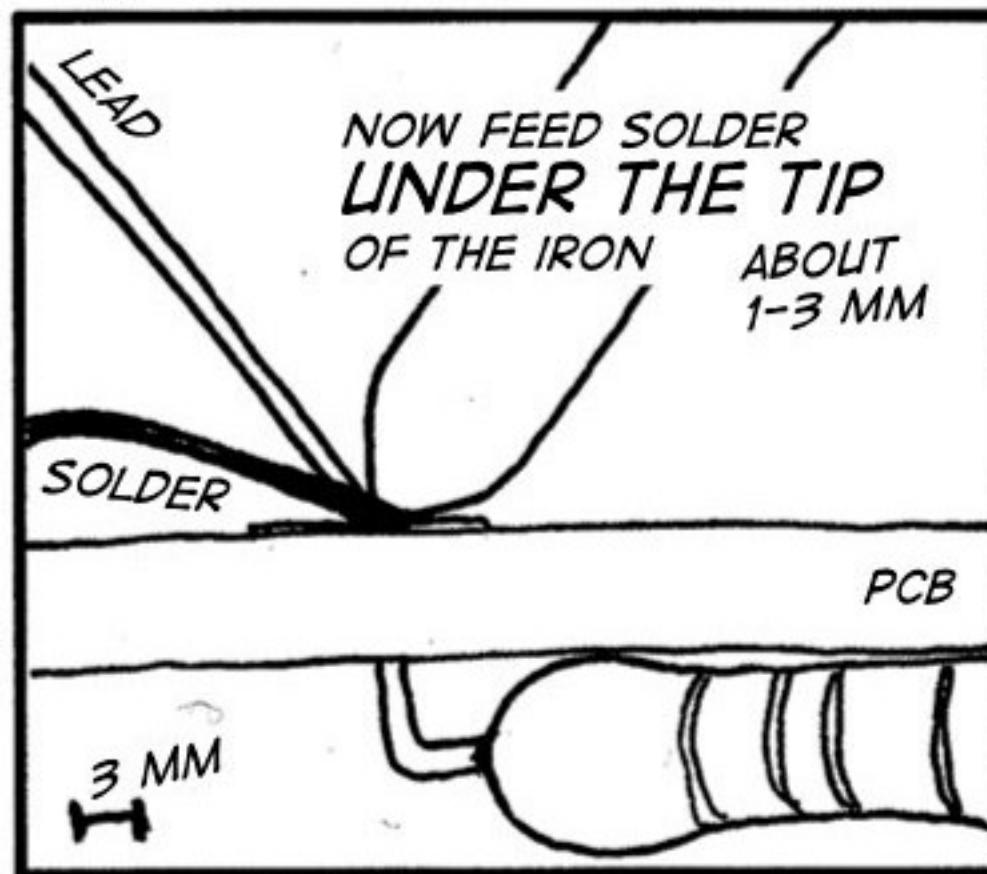
*PSST!
CLEAN THE
TIP FIRST!*



*TOUCH THE SOLDERING IRON TO
BOTH THE PAD AND THE LEAD!*



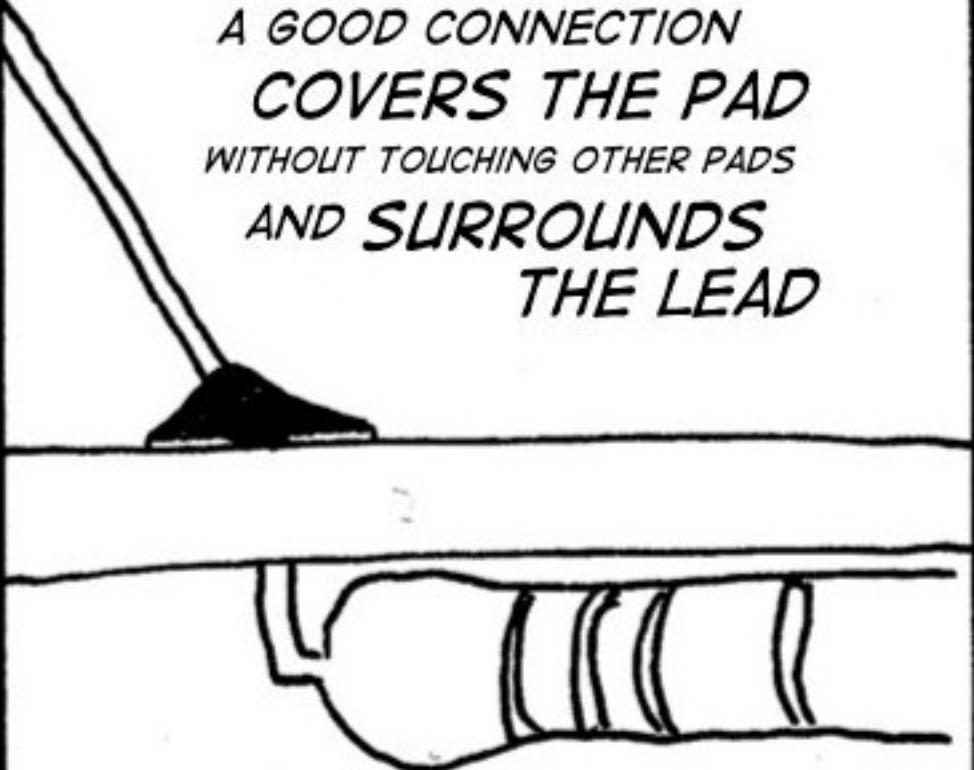
How To Solder





How To Solder

A GOOD CONNECTION
COVERS THE PAD
WITHOUT TOUCHING OTHER PADS
AND **SURROUNDS**
THE LEAD

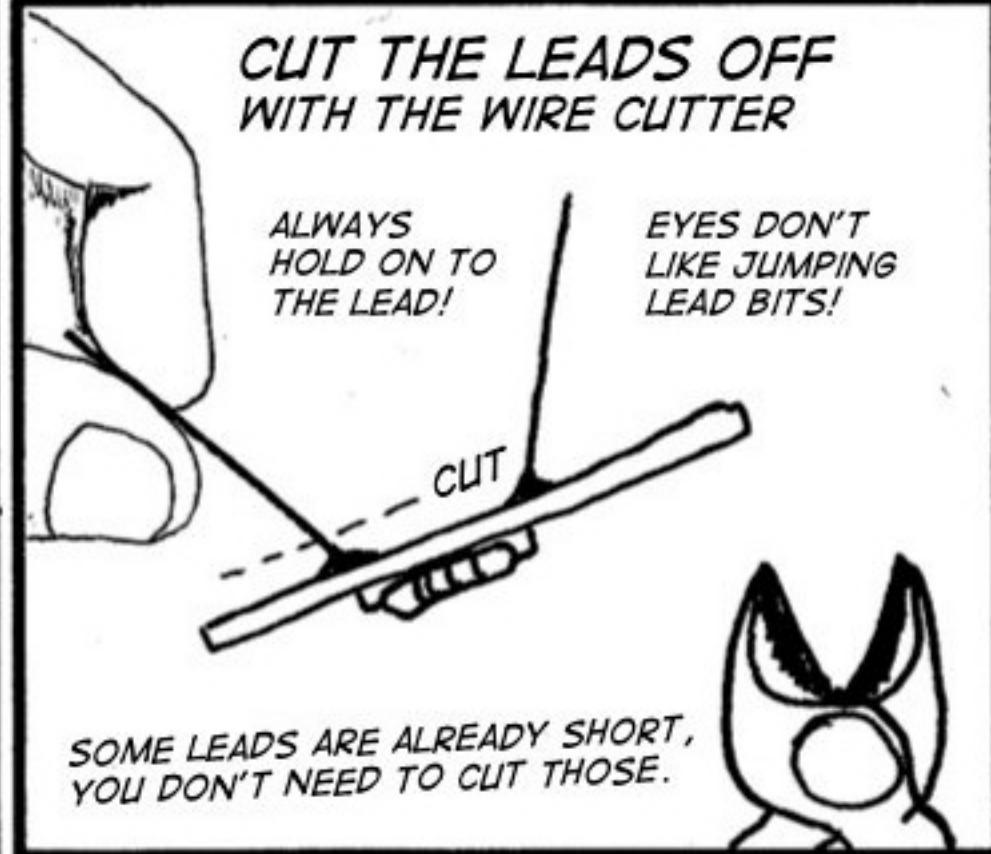


CUT THE LEADS OFF
WITH THE WIRE CUTTER

ALWAYS
HOLD ON TO
THE LEAD!

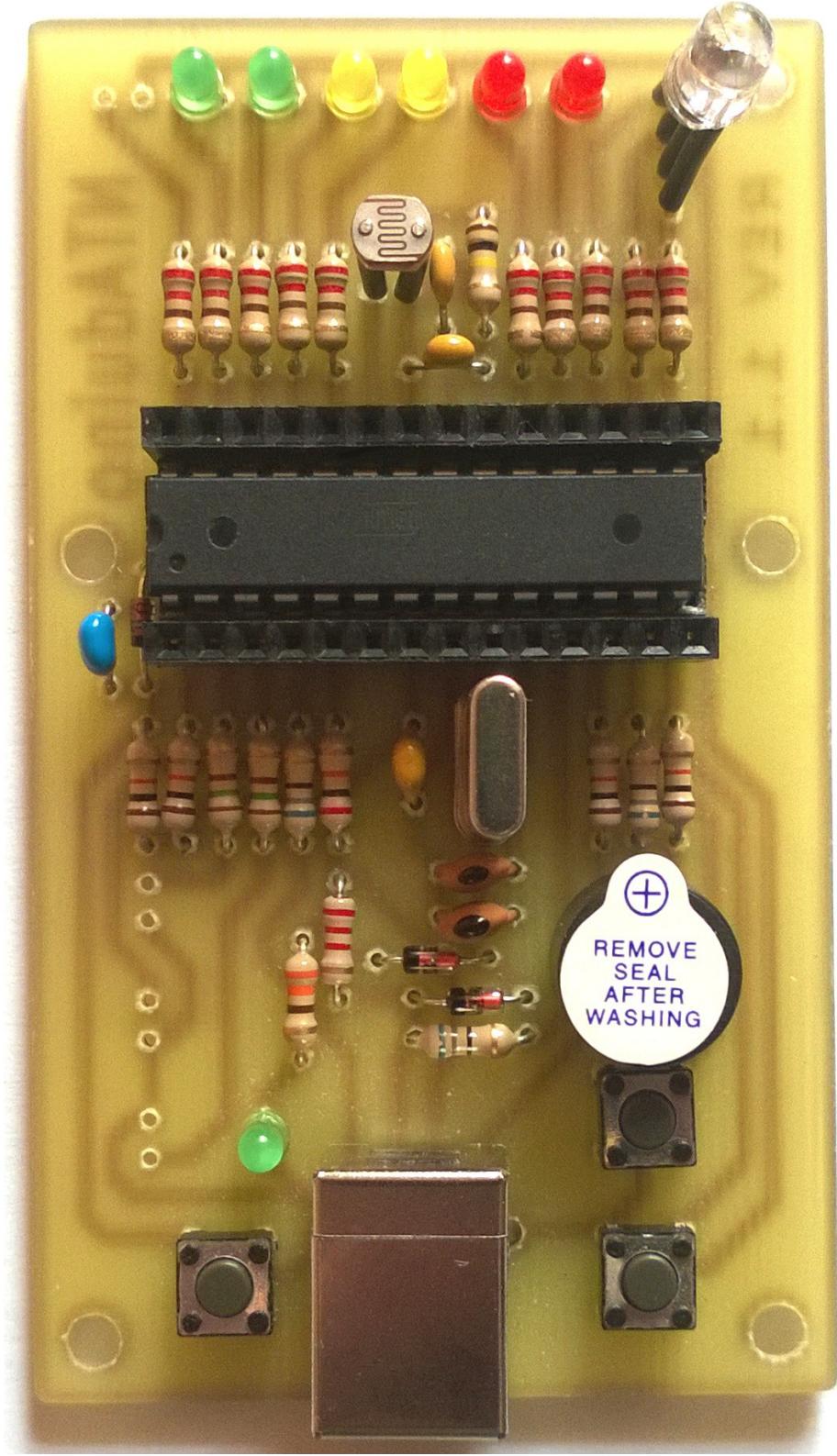
EYES DON'T
LIKE JUMPING
LEAD BITS!

SOME LEADS ARE ALREADY SHORT,
YOU DON'T NEED TO CUT THOSE.





NTAduino =>

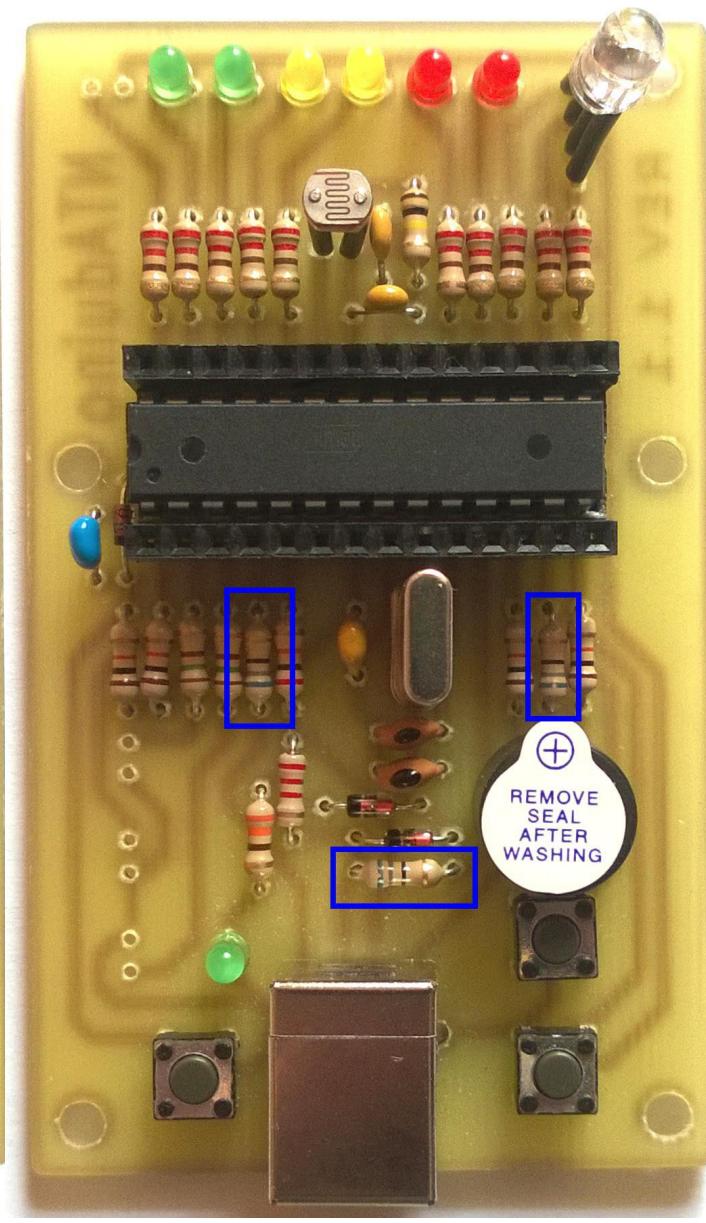
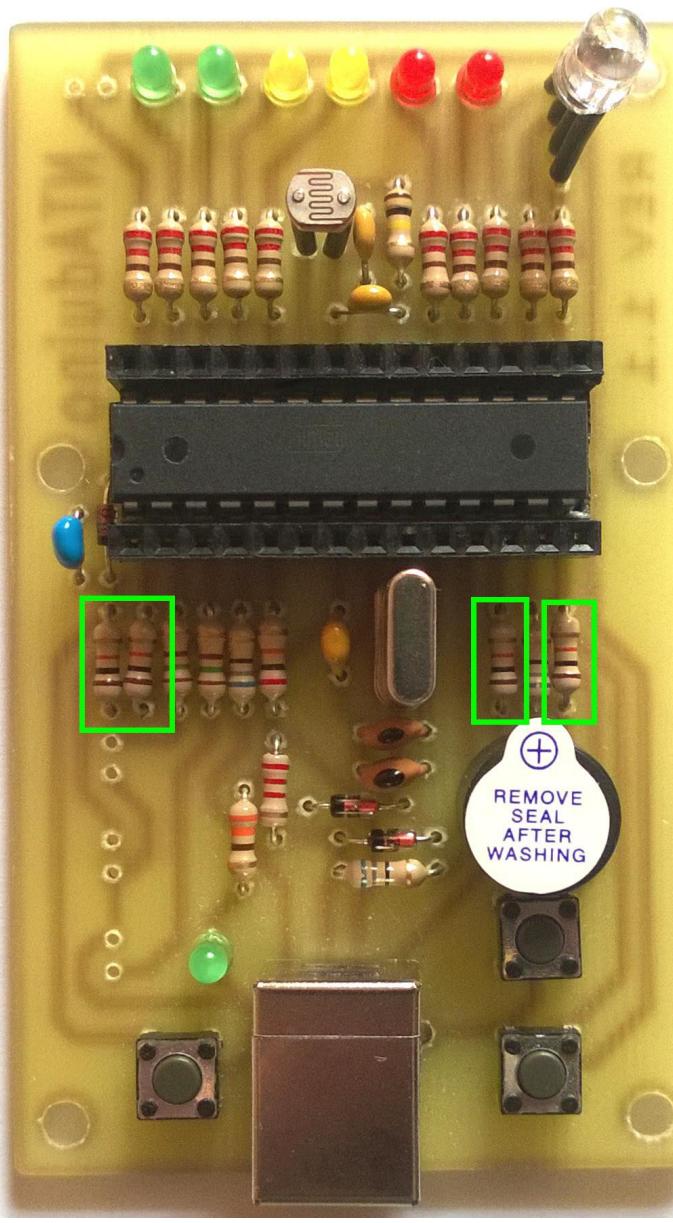
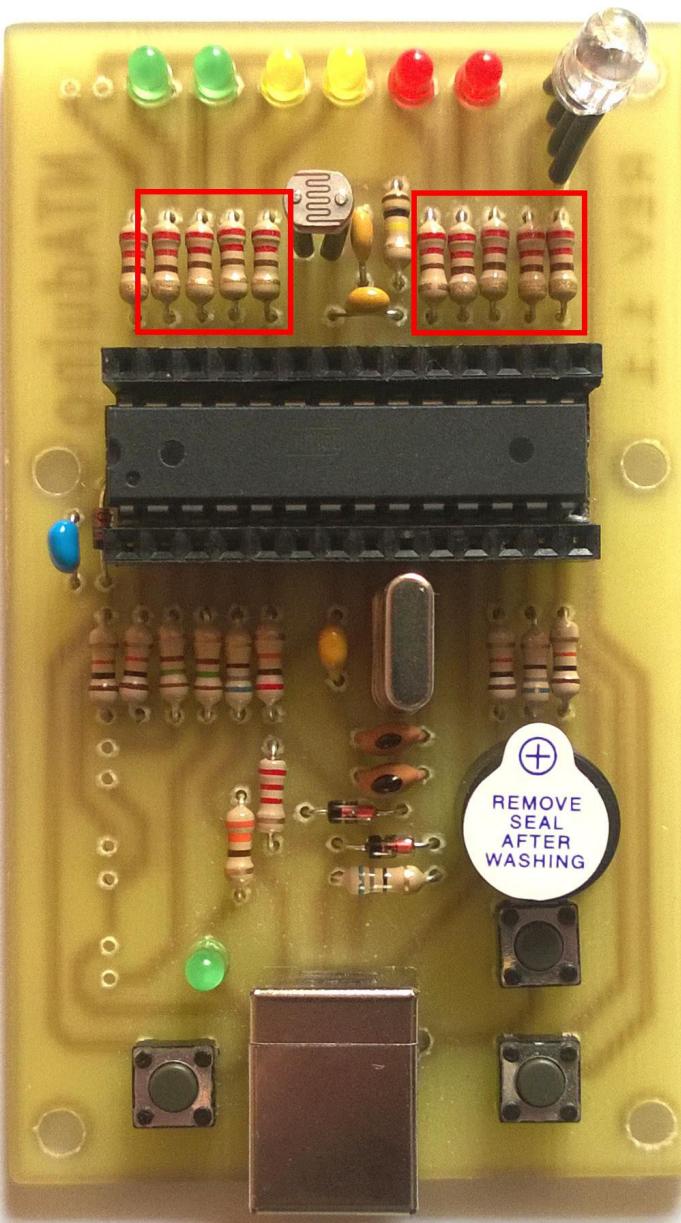




220R

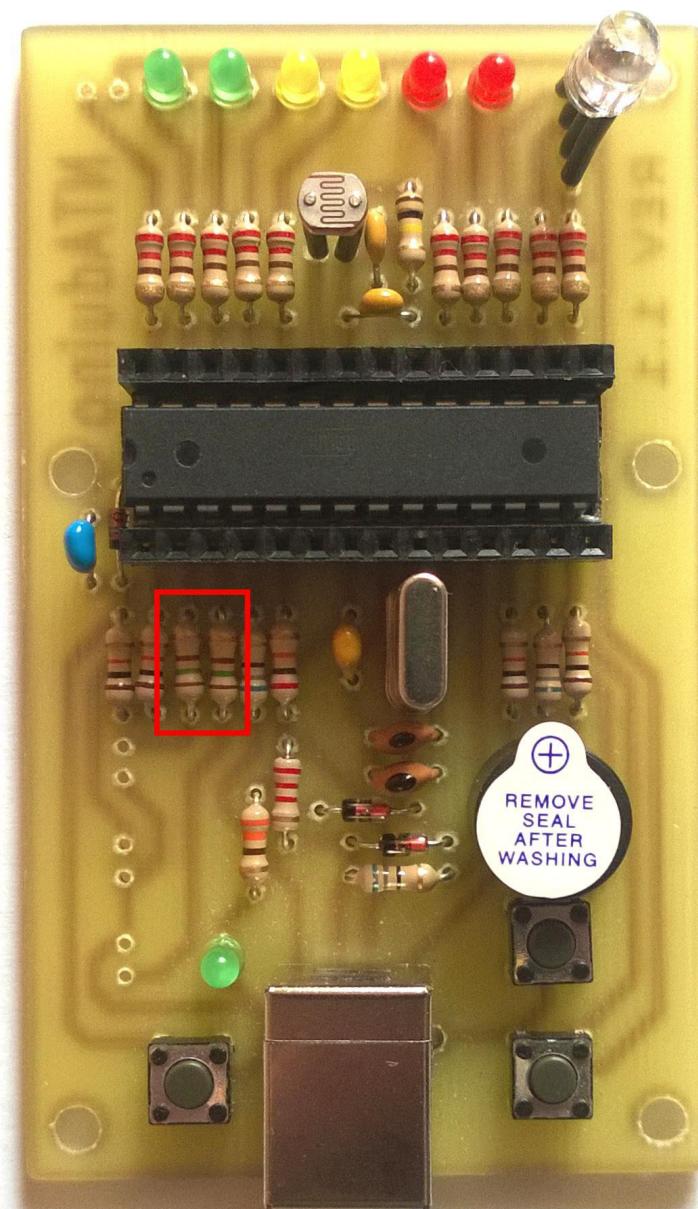
10K

68R

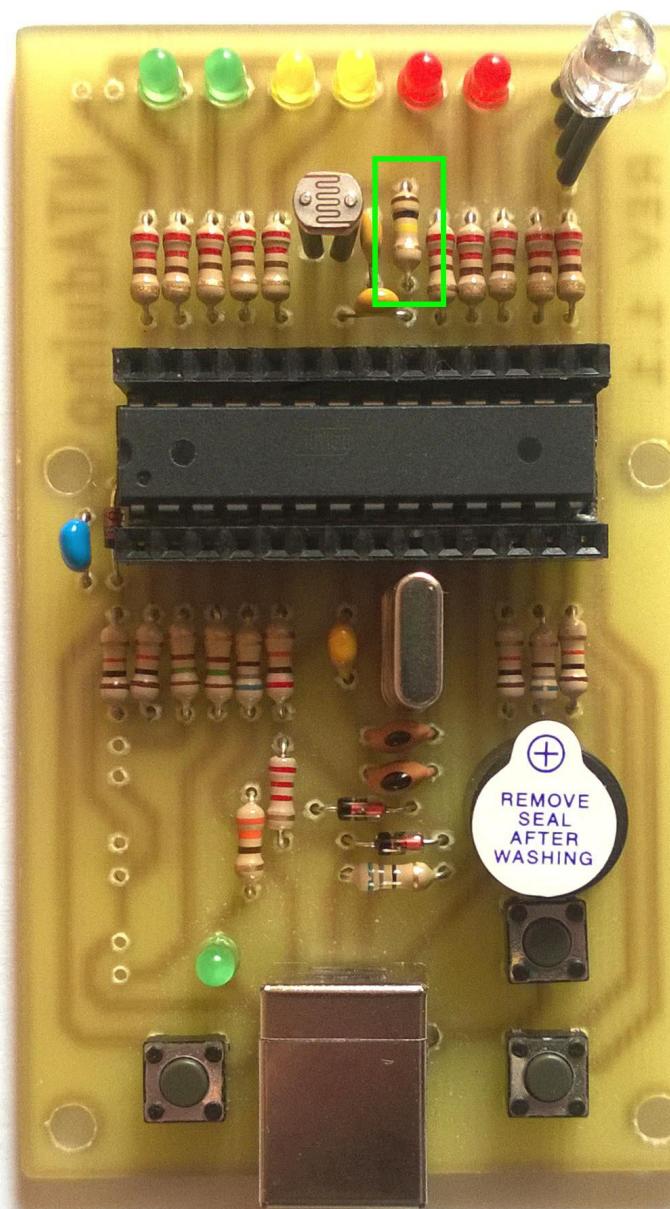




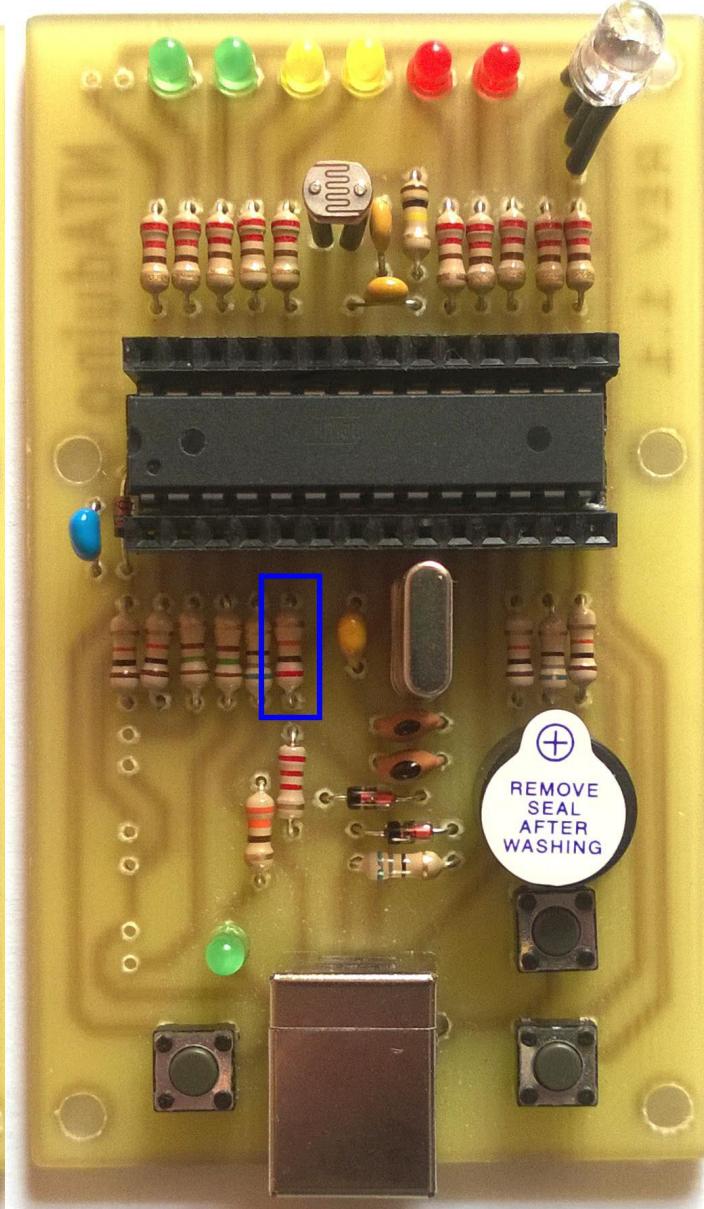
150R



100K

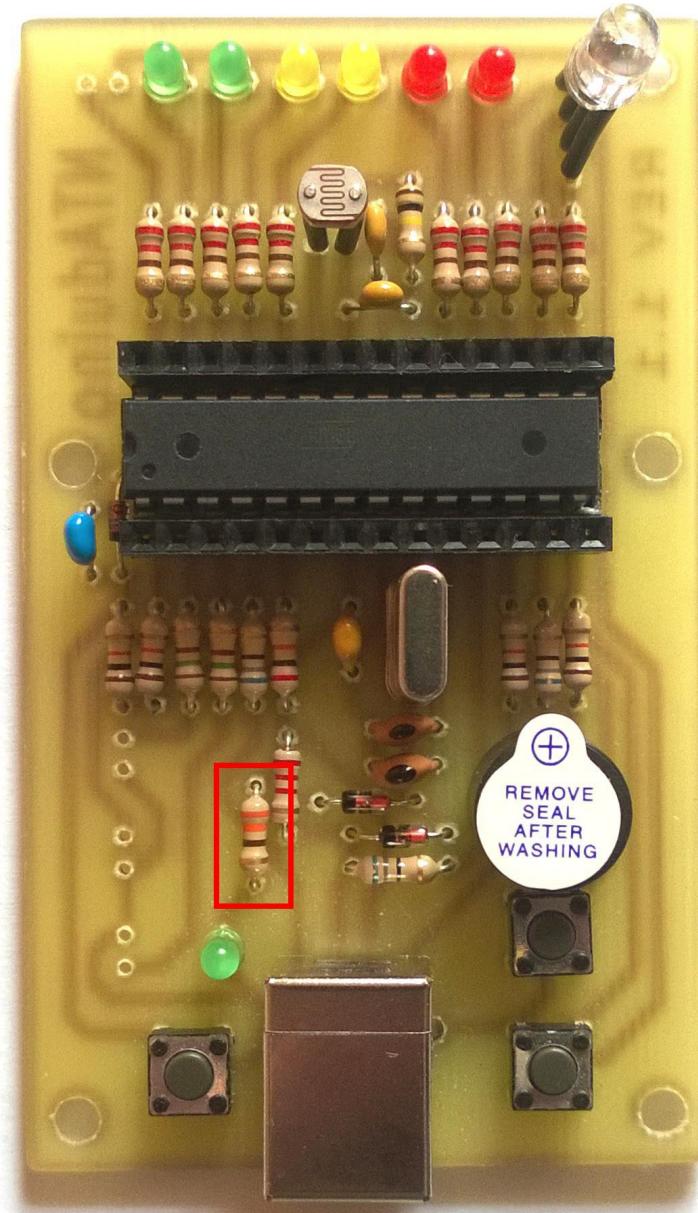


22k

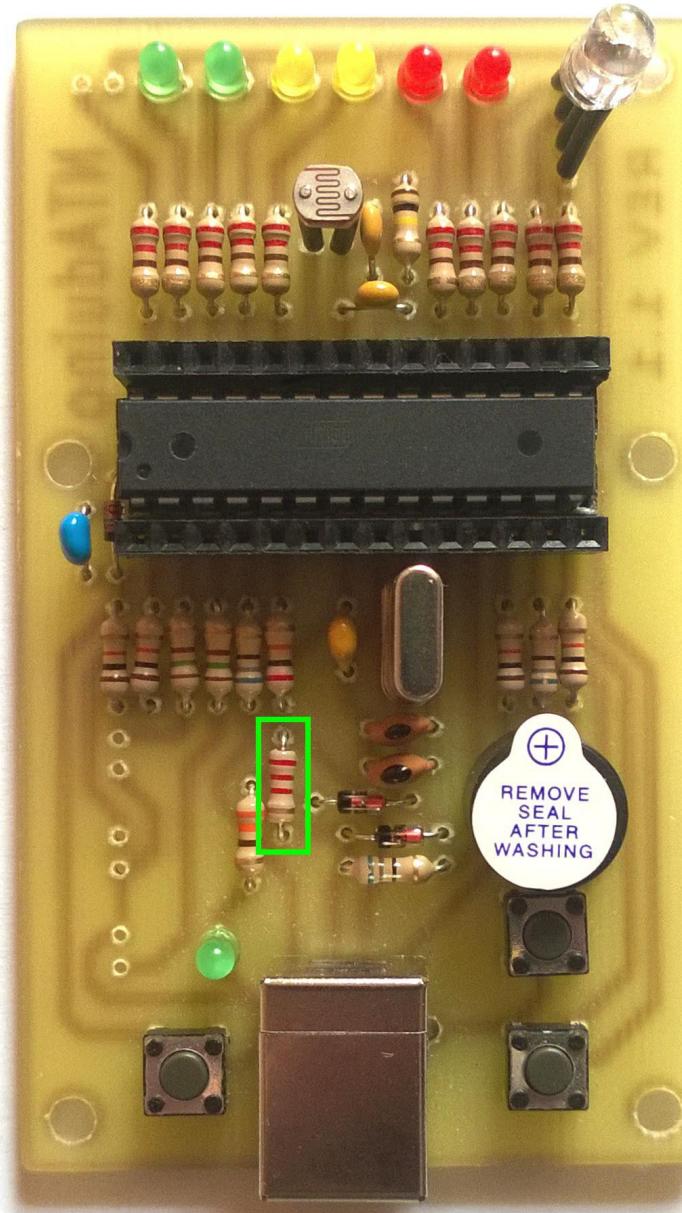




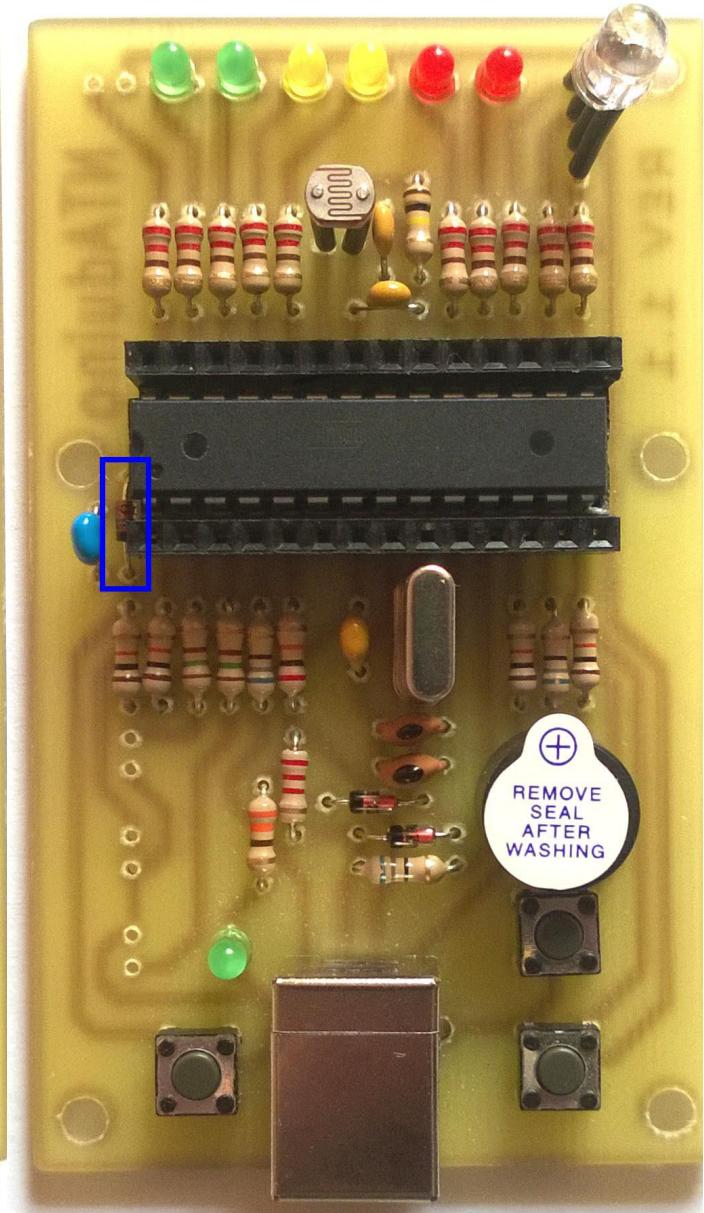
330R



2K2



1N4148

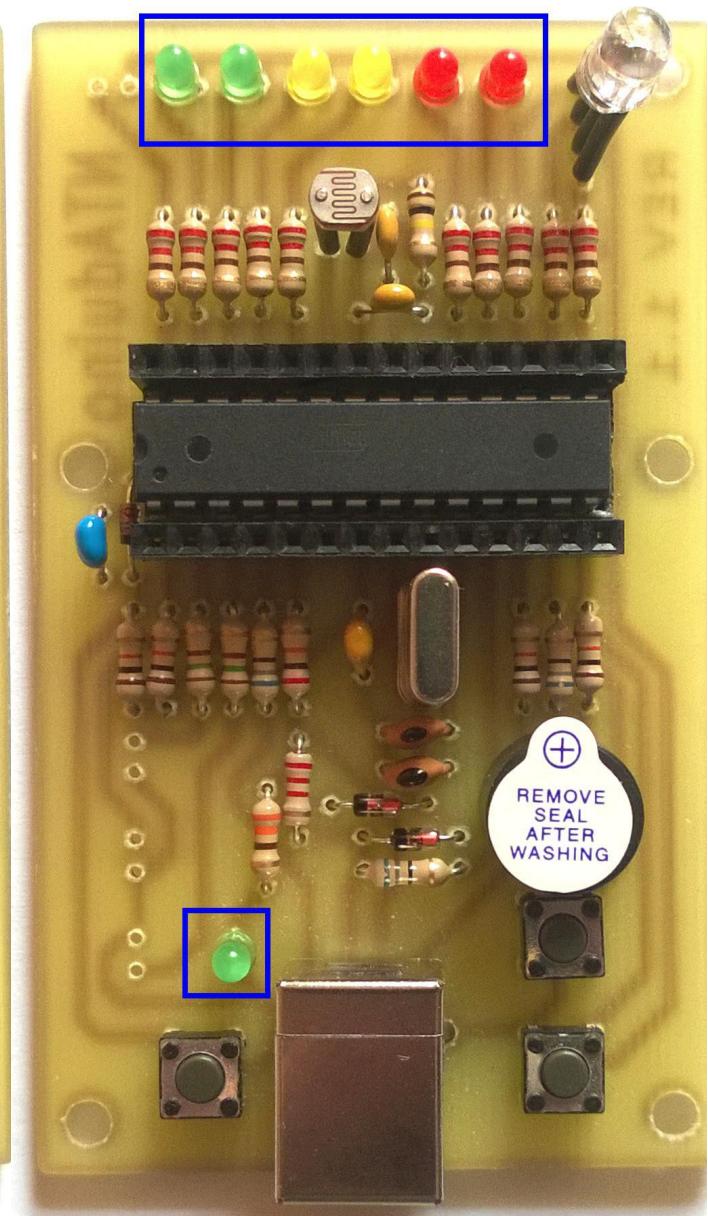
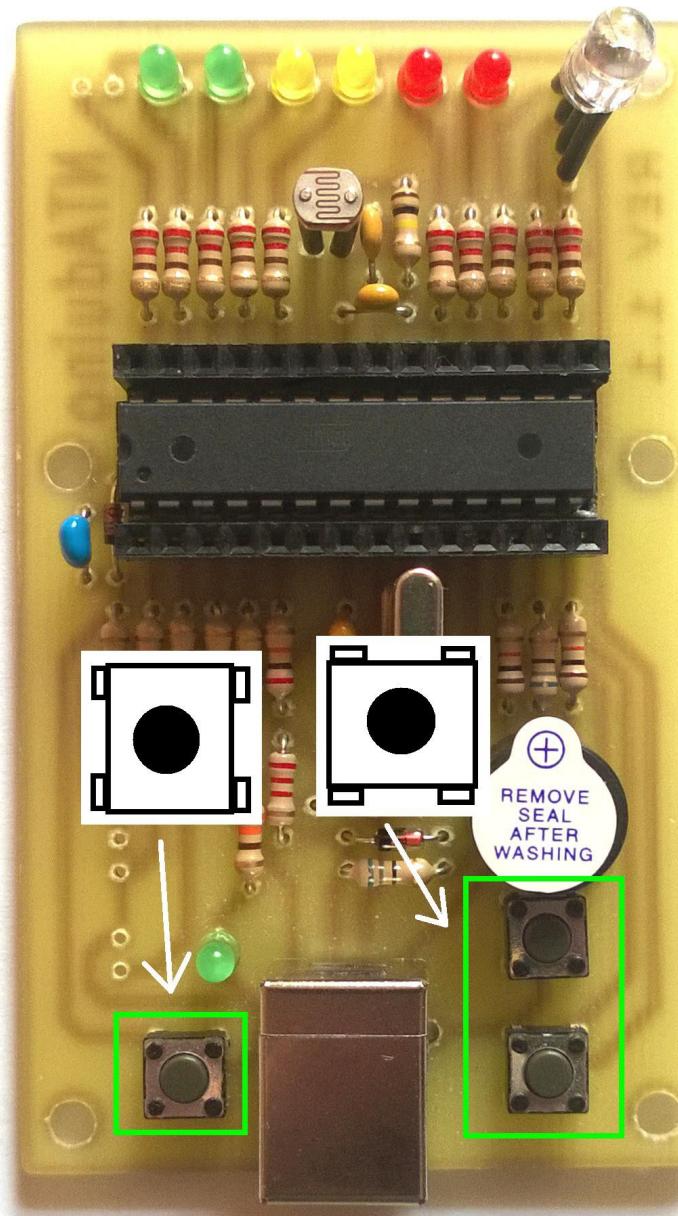
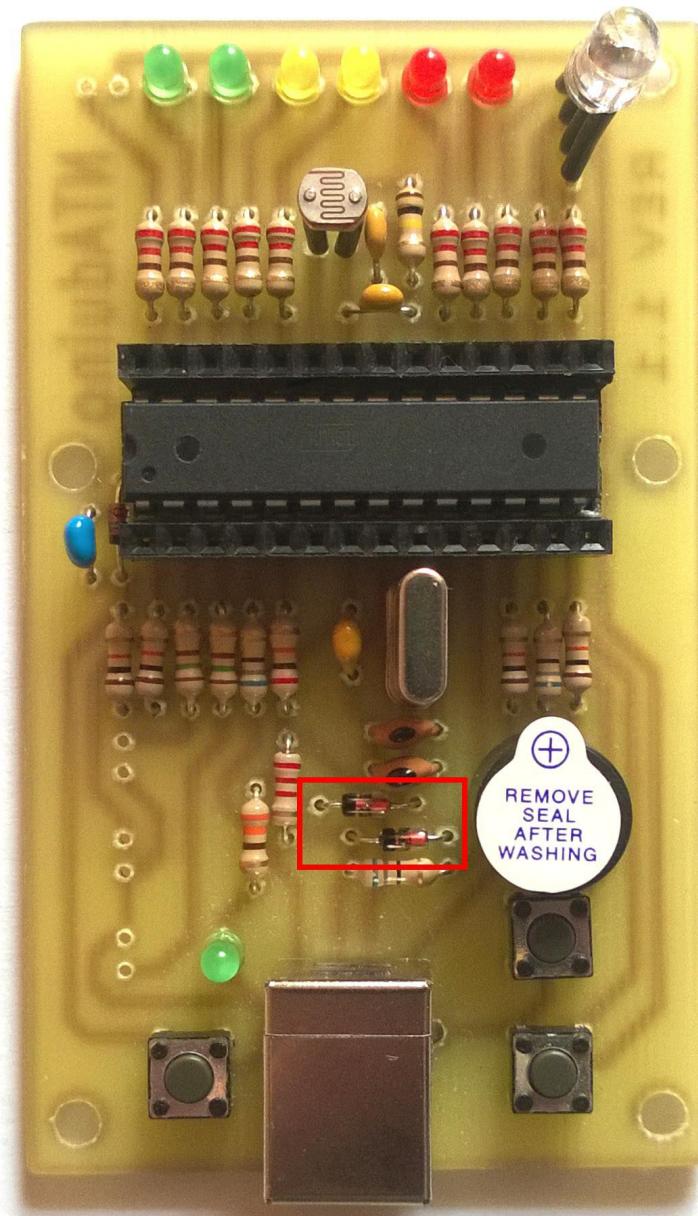




3V6

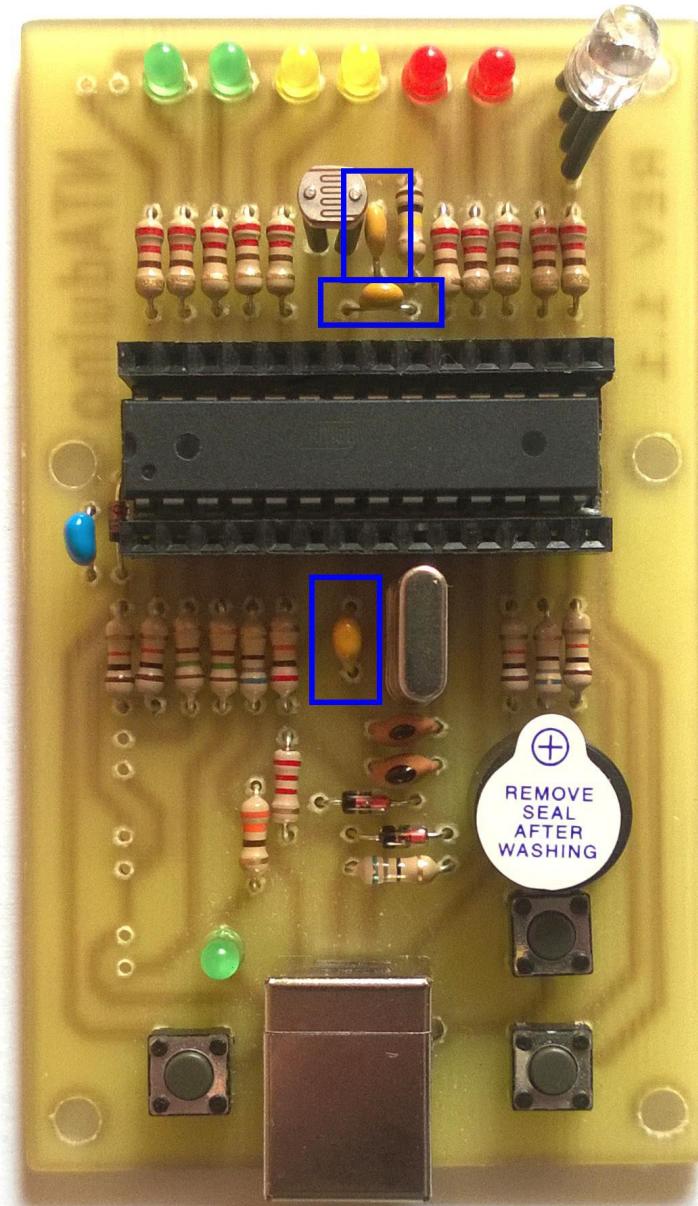
buttons

3mm LEDs

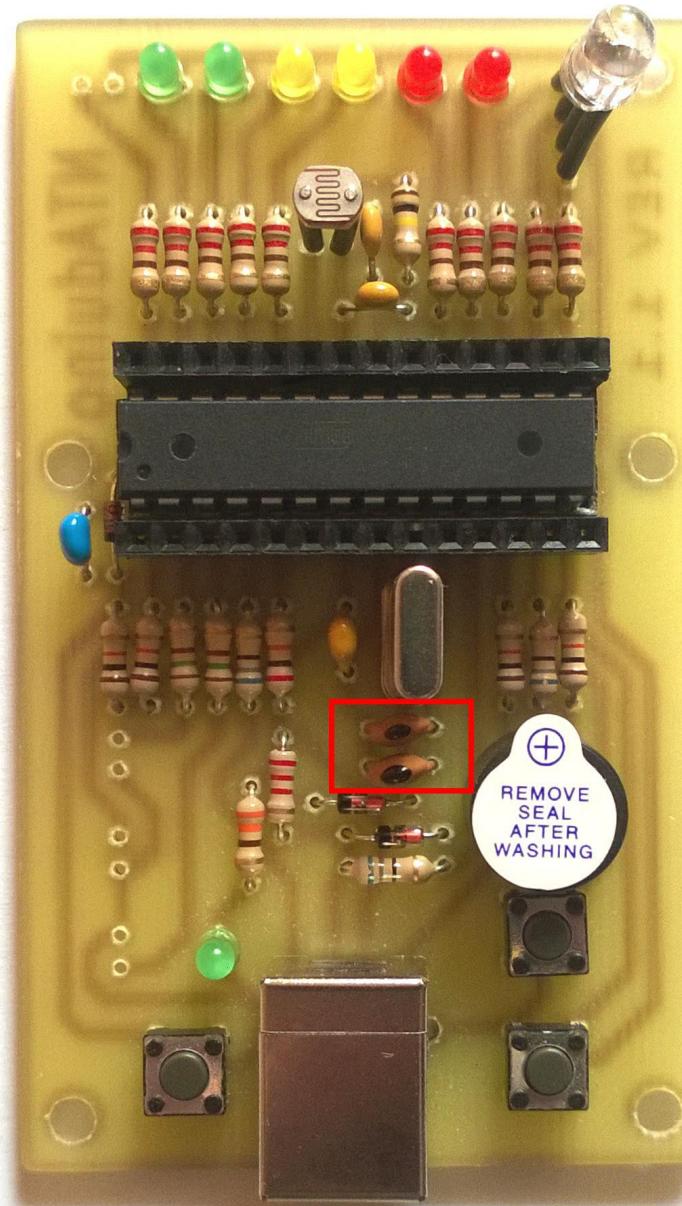




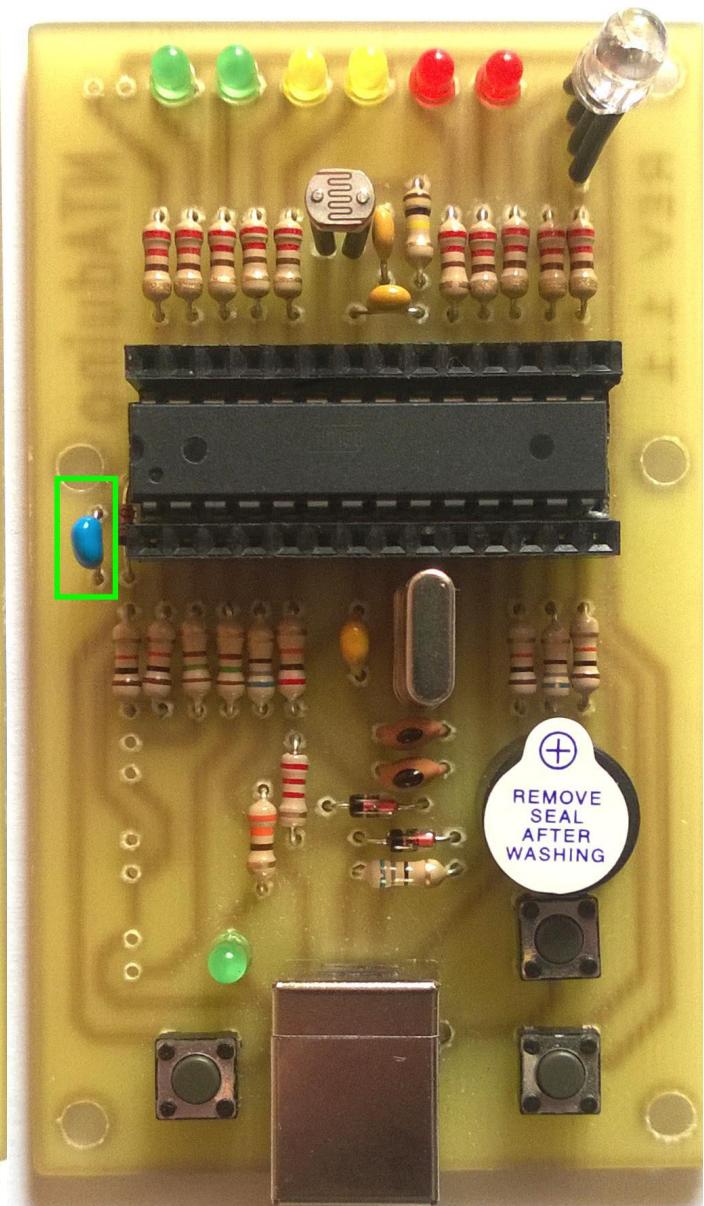
100n



22p

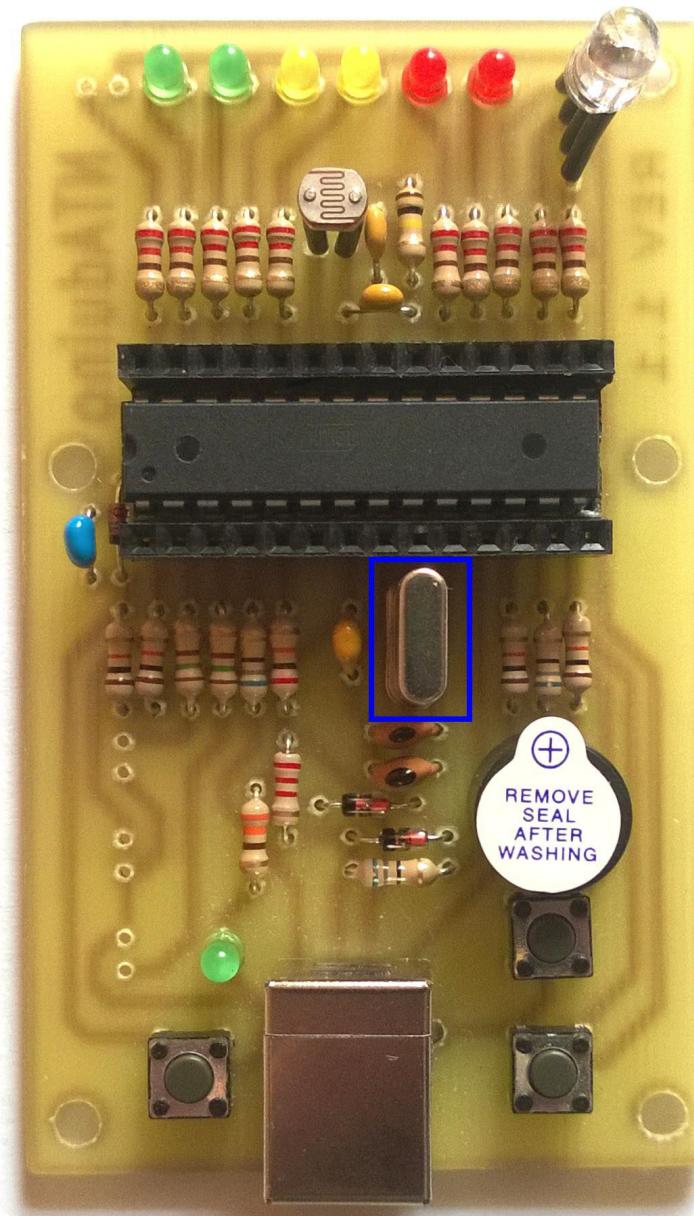


1u

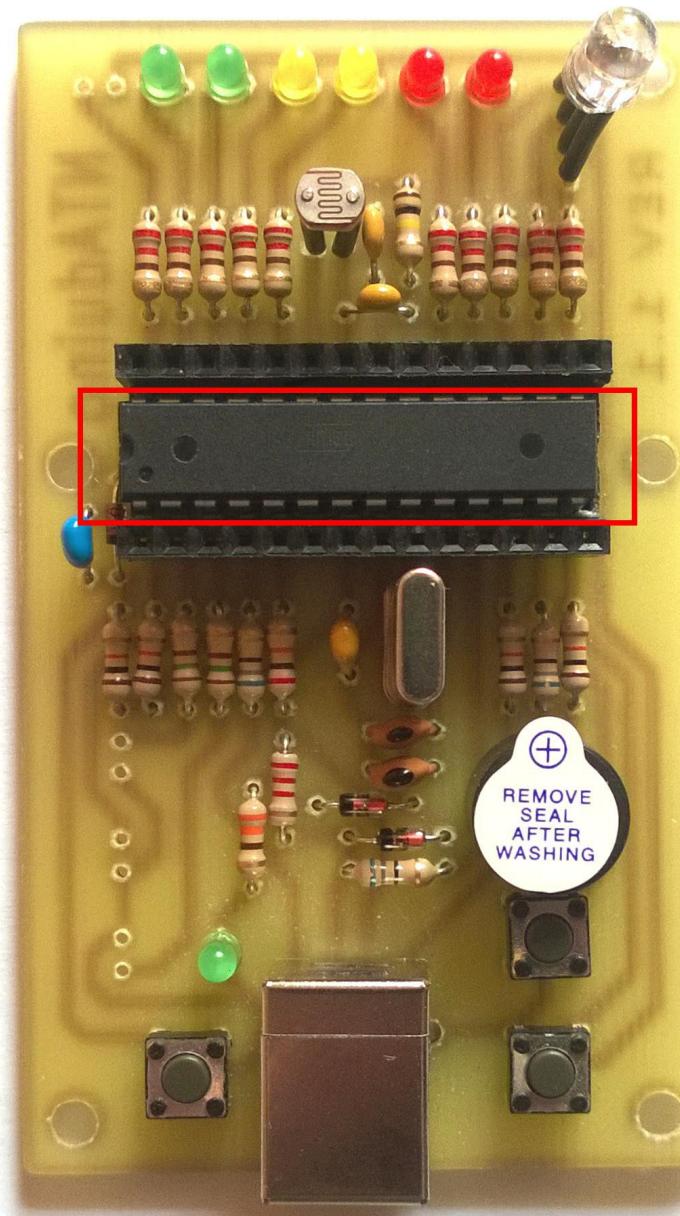




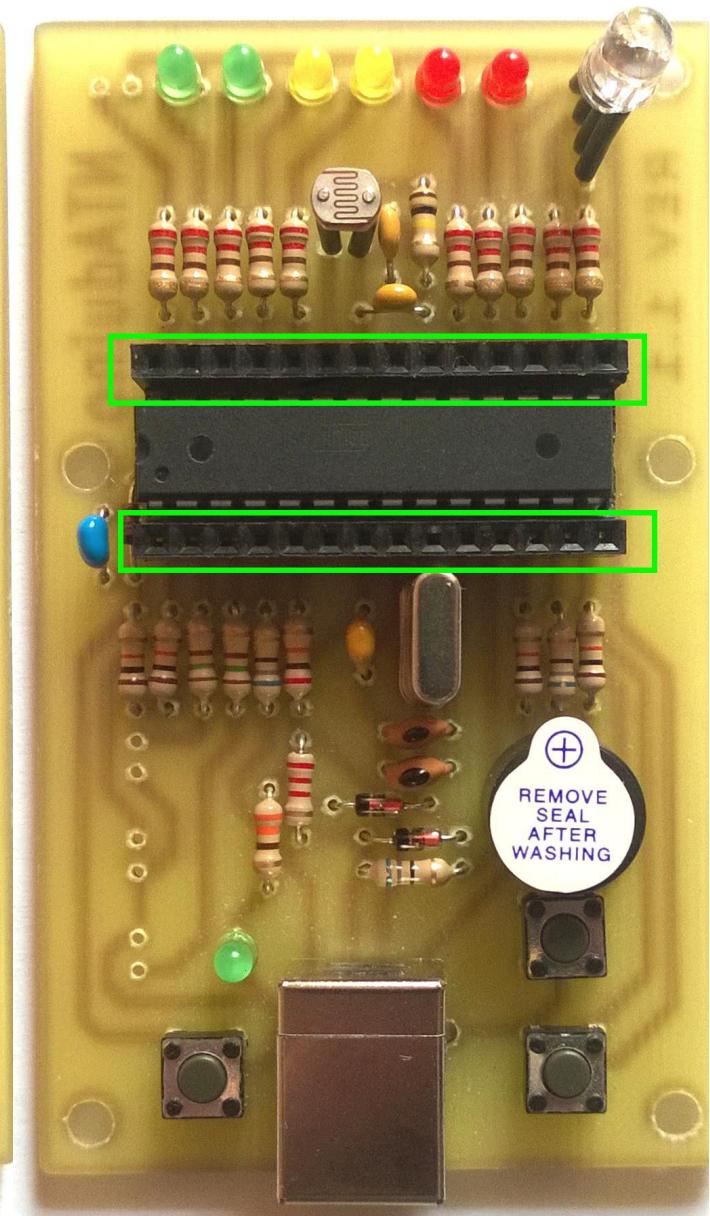
16MHz



DIP28
socket



14 pin
headers

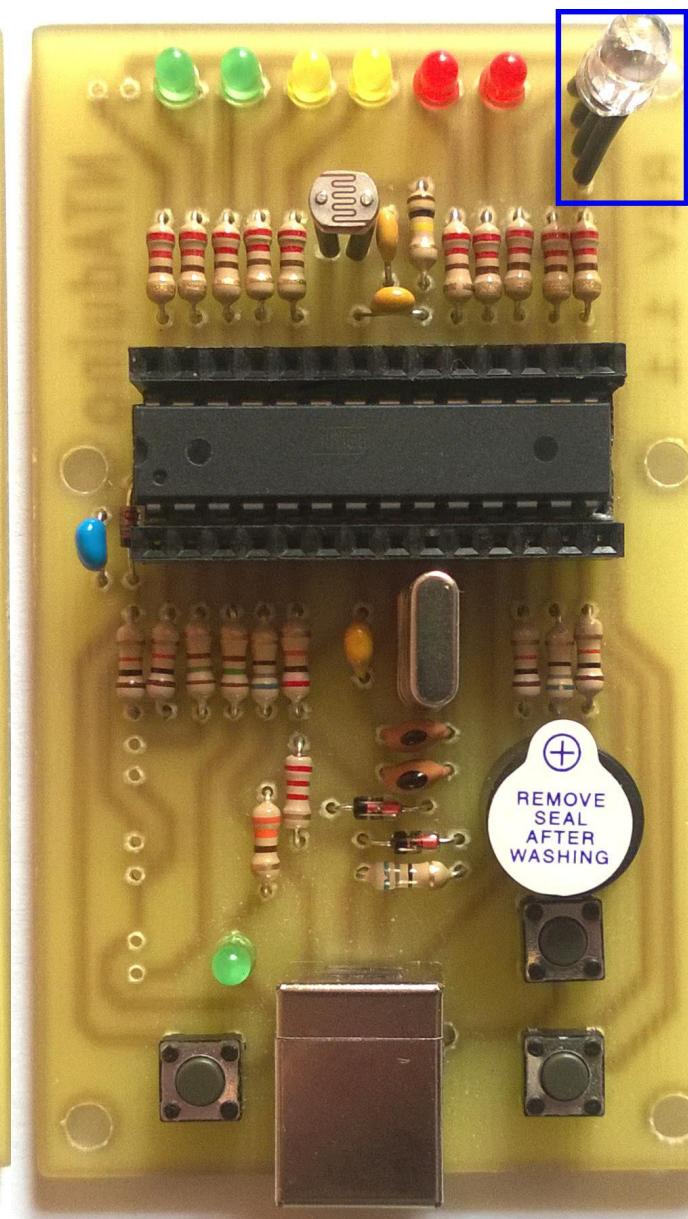
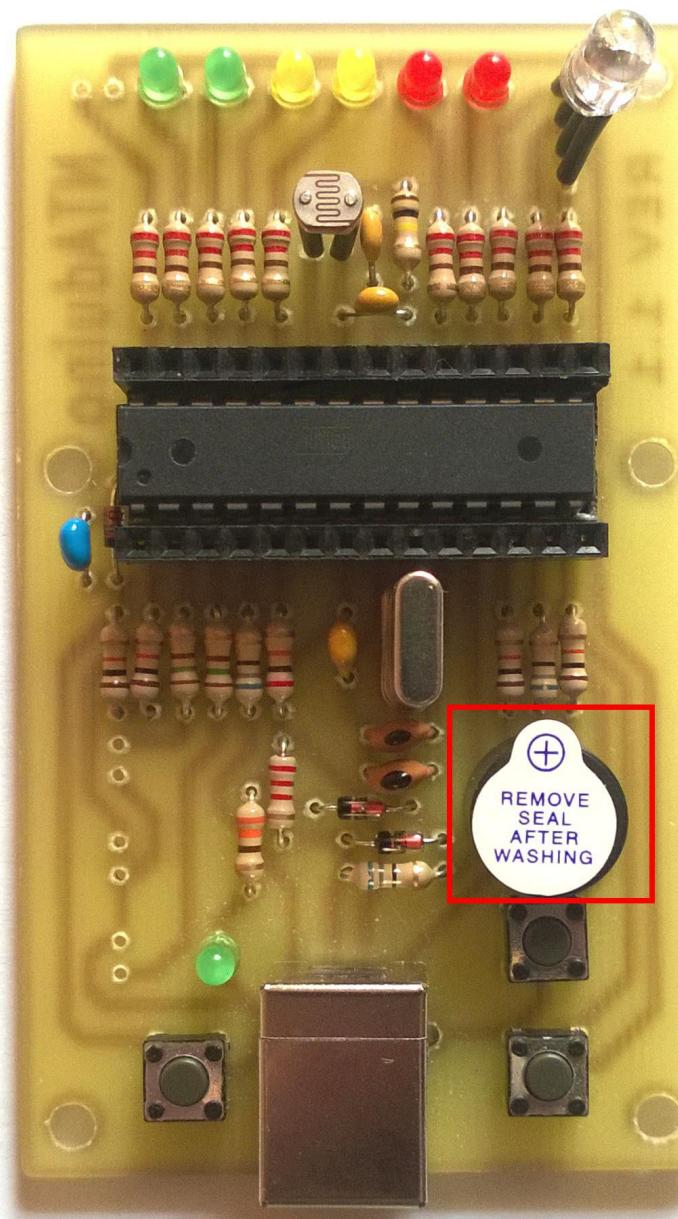
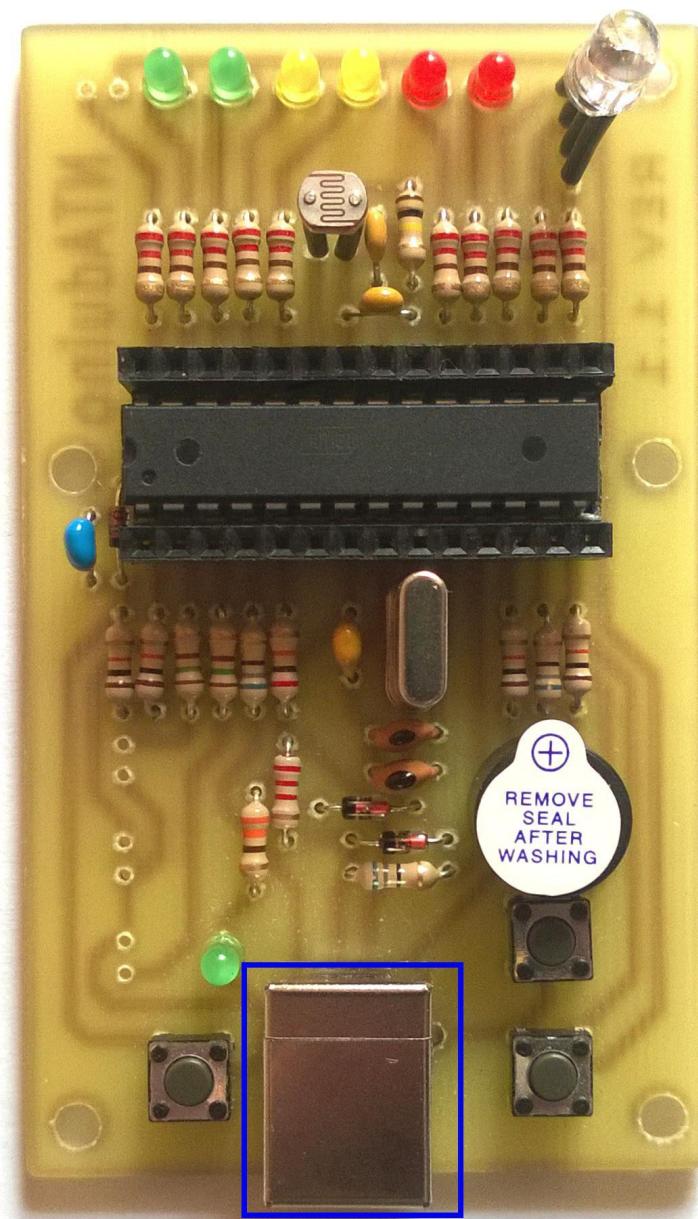




USB-B

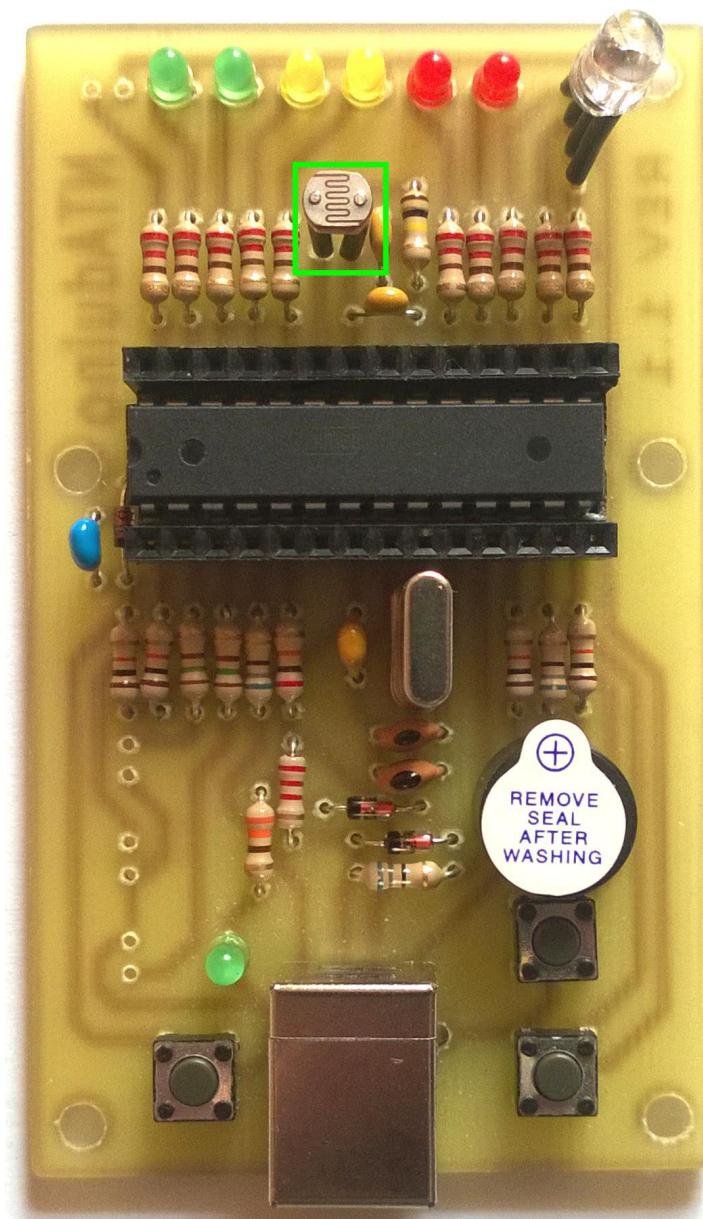
buzzer

RGB LED





LDR

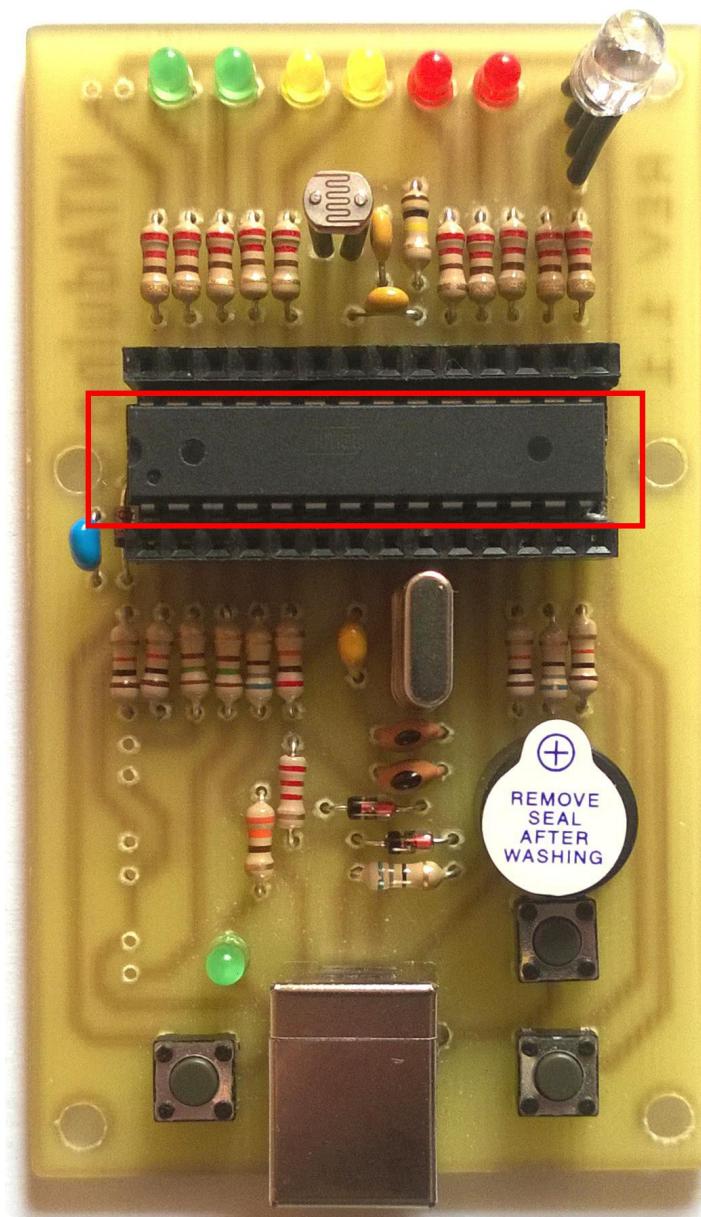




Testing, debugging, repairing.



ATmega8





Even more testing, debugging,
repairing and learning from
mistakes.

<https://github.com/makerspacelT/NTAduino>