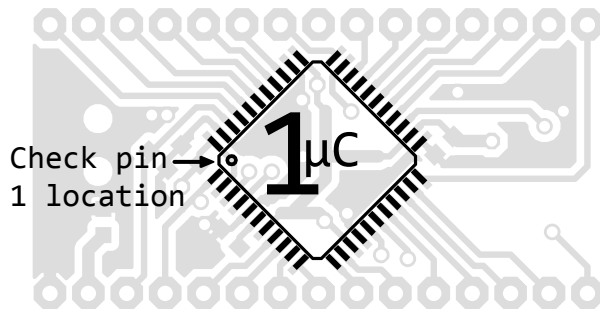




# ATmega32U4-Breakout

## Assembly Instructions

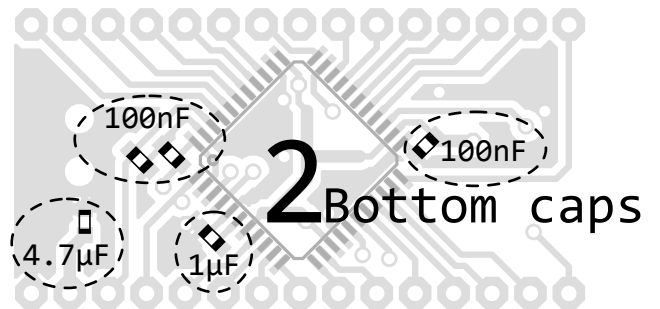
by @dop3j0e



Check pin 1 location

1  $\mu$ C

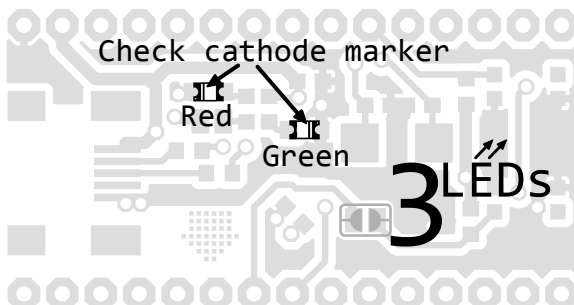
Except for steps 1 and 3 (and 8, duh! ;), orientation never matters.



2

Bottom caps

After this, flip the board and tack it down (double-sided tape against the  $\mu$ C) so it doesn't jiggle.



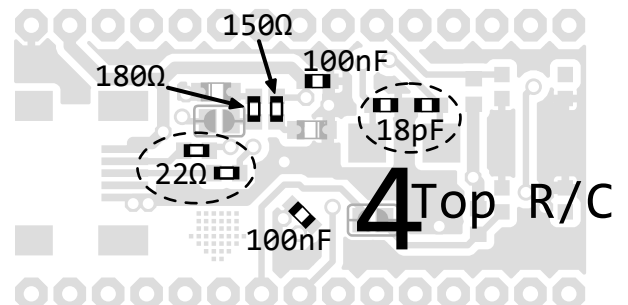
Check cathode marker

Red

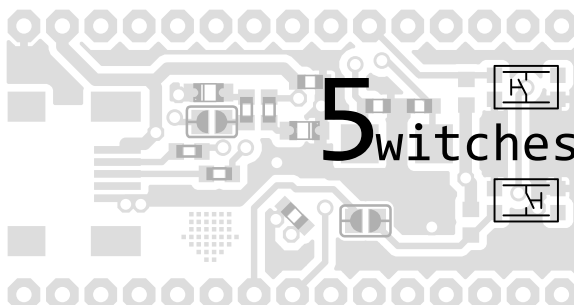
Green

3 LEDs

In case you mix up the LEDs:  
The green one's chip looks red-ish,  
and the red one's chip looks black.

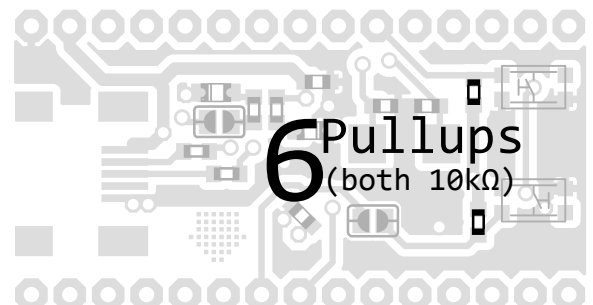


4 Top R/C

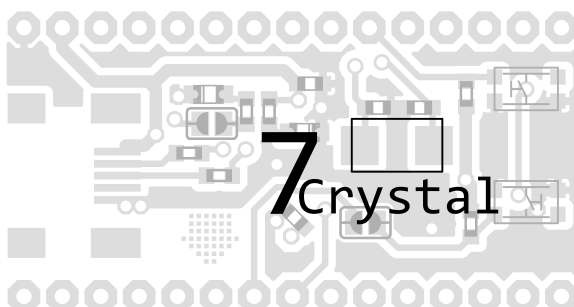


5 Switches

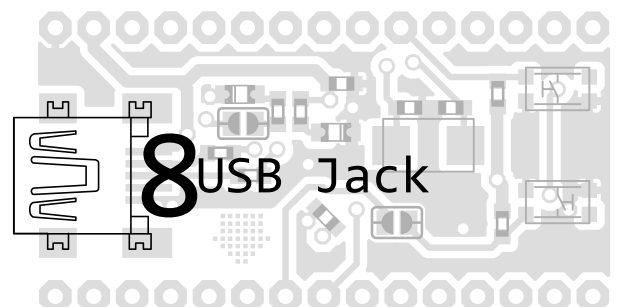
The switches are easier to solder while the pullups are not yet in place.



6 Pullups  
(both 10k $\Omega$ )



7 Crystal



8 USB Jack

Solder the pins *first*. Check the solder joints. *Then* solder down the shield.