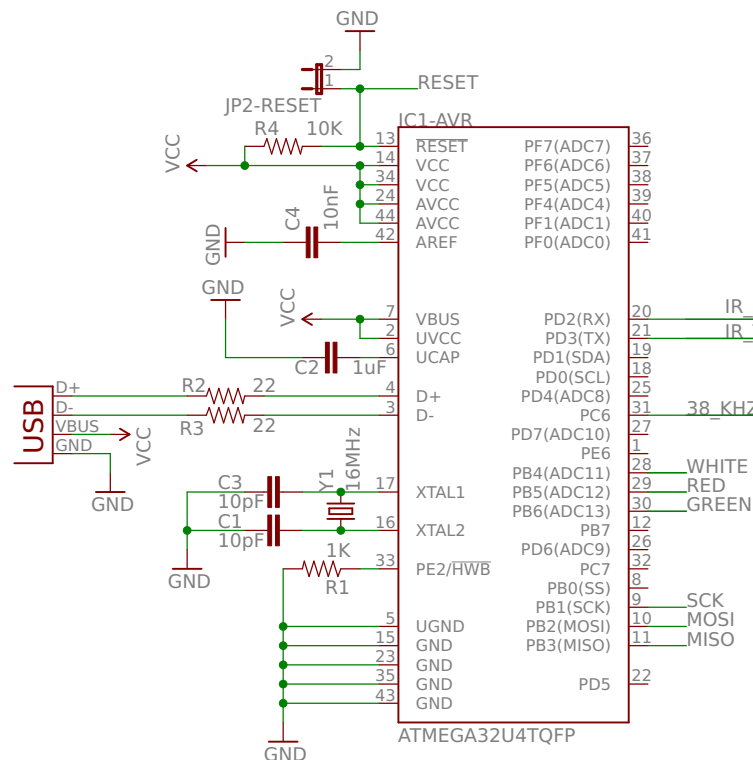
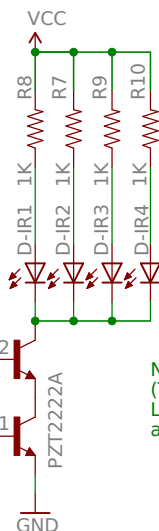




## PC Interface & Controller



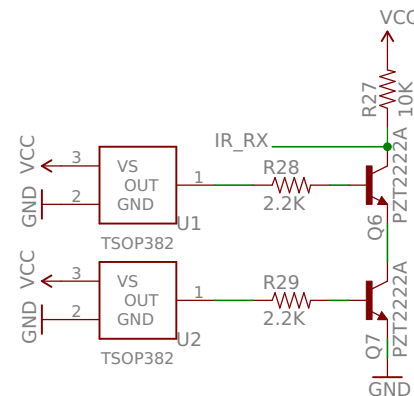
## IR Transmitter



NAND Gate  
(Turns the active-low LEDs on iff both signals are logic '1'.)

For 10mm LEDs (not provided with JD kit), replace these resistors with 390hm, 1/4 watt.

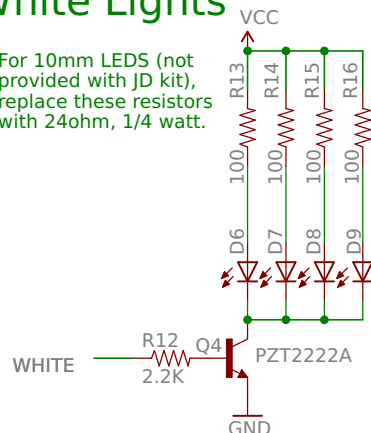
## IR Receiver



NAND Gate  
(Outputs '1' if either of the active-low IR receivers read a '1'.)

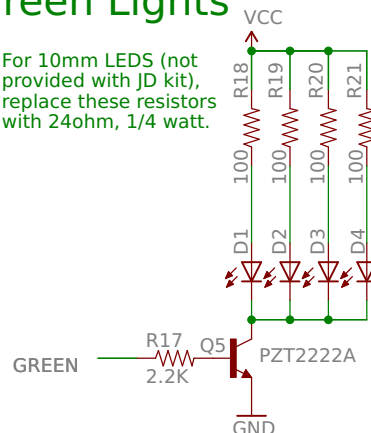
## White Lights

For 10mm LEDs (not provided with JD kit), replace these resistors with 240hm, 1/4 watt.

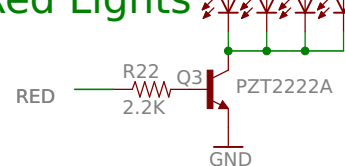


## Green Lights

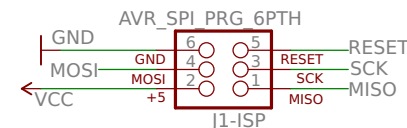
For 10mm LEDs (not provided with JD kit), replace these resistors with 240hm, 1/4 watt.



## Red Lights



## ISP Header



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TITLE: beacon\_board

Design by: **Kyle J. Temkin**

REV:

Date: 19 Aug 2013 22:02:31

Sheet: 1/1