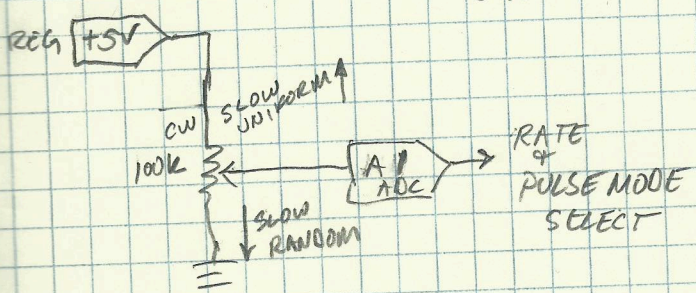
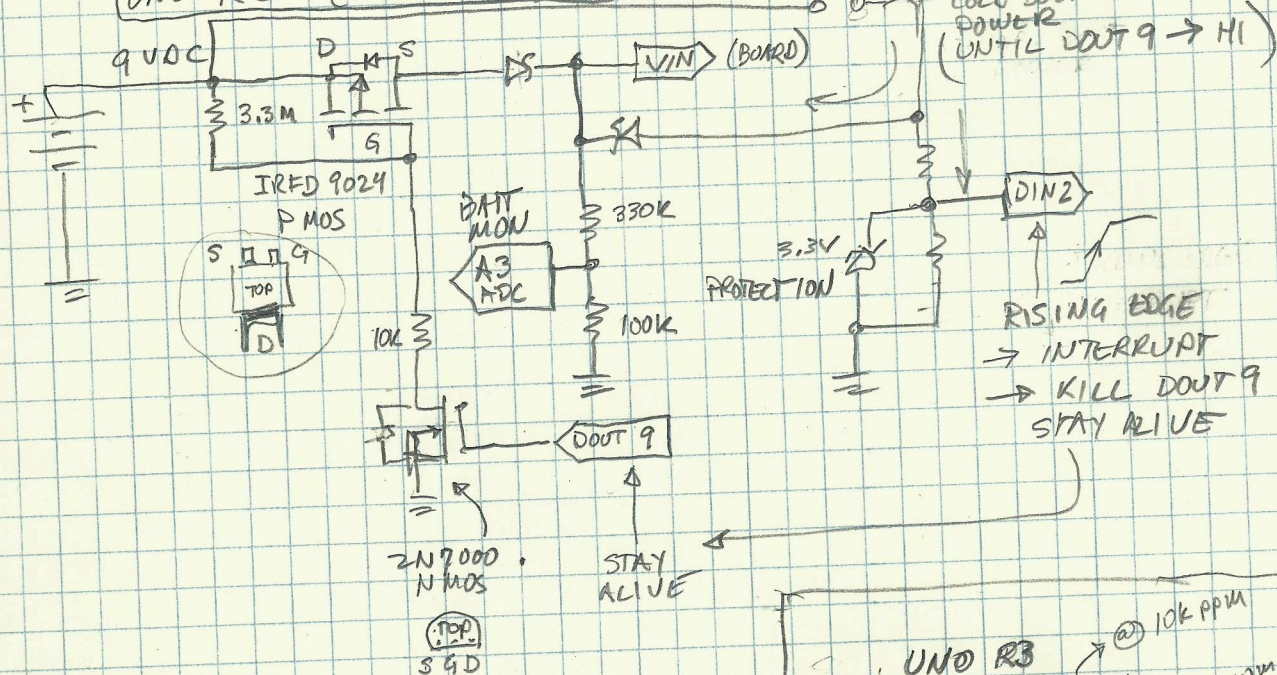


4/8/2017

# AROUINO PULSE GENERATOR

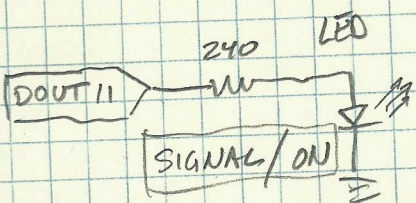
UNO R3 (ATMEGA 328P)

ON/OFF

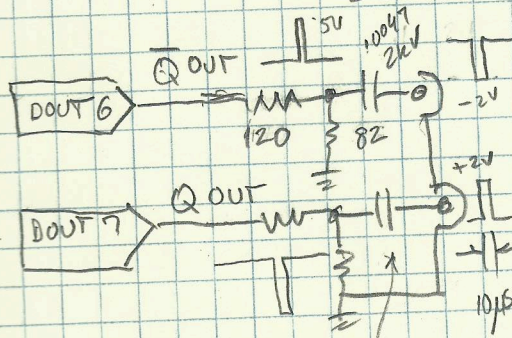


UNO R3 @ 10K PPM  
 CONSUMES ~ 50 uA  
 (INCL. SIGNAL LED @ D11 @ 10mA  
 + BOARD BUILT-IN LED @ D3

57 mA @ 100K PPM



ON POWER UP; POWER LED  
 || FLASHES => BATTERY < 7.5V  
 THEN  
 (M) PAUSE(N) FLASHES => (MODE, RATE)



M=1 EXPONENTIAL RANDOM PULSE DELAYS  
 M=2 UNIFORM PULSE TRAIN

N=2 100 PULSES PER MINUTE (1.67 Hz)  
 N=3 1000 PER MINUTE (16.7 Hz)  
 N=4 10K " (167 Hz)  
 N=5 100K " (1.67 kHz)  
 (600 us)

2x 100nF uF 2KV  
 PROTECT AGAINST  
 GEIGER TUBE ANODE/V.