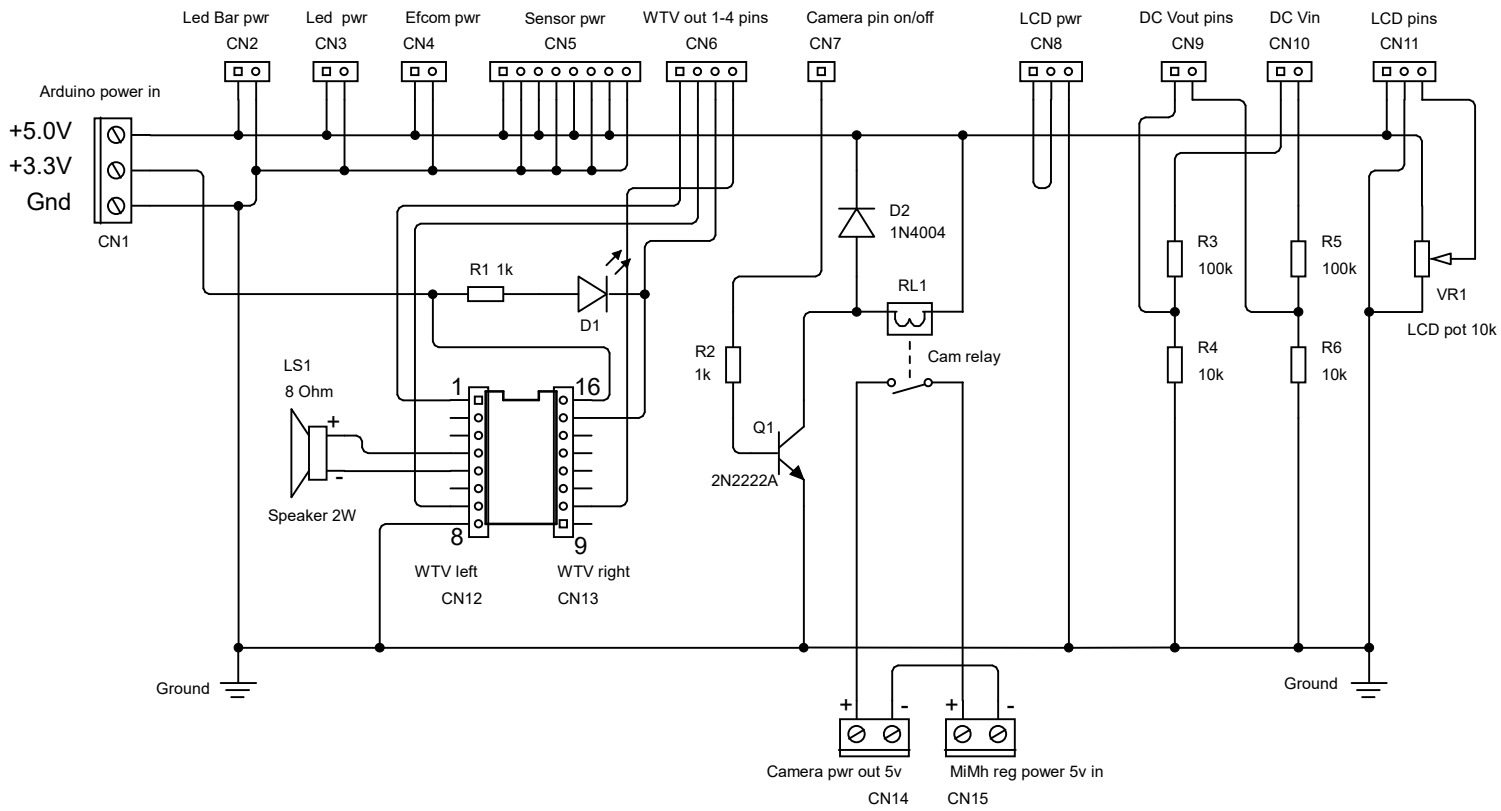


Guardian Main Power Circuit v1  
 Jaakko Muhonen  
 www.robolab.fi

All Arduino power output  
 CN2, CN3, CN4, CN5, CN9  
 +5.0V  
 Ground

WTV020-SD module out CN6  
 1 Reset = resetPin  
 7 P04 = clockPin  
 15 P06 = busyPin  
 10 P04 = dataPin

LCD power pins CN8  
 Power pin on/off  
 +5.0V on/off  
 Ground



- CN1 = Arduino power in
- CN2 = Led Bar power out
- CN3 = Led power out
- CN4 = Efcorm power out
- CN5 = Sensor power out
- CN6 = WTV020-SD module Arduino pins
- CN7 = Camera Arduino pin on/off
- CN8 = LCD Display Arduino power on/off
- CN9 = DC Voltmeter Vout Arduino pins
- CN10 = DC Voltmeter Vin pins
- CN11 = LCD Display pins
- CN12 = WTV020-SD module pins 1-8
- CN13 = WTV020-SD module pins 9-16
- CN14 = Camera power out 5V pins
- CN15 = Camera MiMh regulated 5V power in

- DC Voltmeter Vout pins CN10  
 LiPo power out  
 MhMh power out
- DC Voltmeter Vin pins CN11  
 LiPo 7.4V power in  
 MiMh 9.6V power in

- LCD display pins CN11  
 +5V power in  
 Ground  
 Vo