SPEAKER_OUTPUT

R4
1k
GND
Q7 200mA/40V

D1
1A/50V/1.1V
5V0

SP1
SPEAKER/AL60P

5V0

10k
RESET
R1

18 AVCC
4   VCC
6   VCC
20 AREF

100n
C1
GND

OSC1 7   PB6(XTAL1/TOSC1)
OSC2 8   PB7(XTAL2/TOSC2)

U1
29 PC6(/RESET)
        PC0(ADC0) 23
        PC1(ADC1) 24
        PC2(ADC2) 25
        PC3(ADC3) 26
        PC4(ADC4/SDA) 27
        PC5(ADC5/SCL) 28 LDR
        ADC6 19
        ADC7 22

        PD0(RXD) 30 RX
        PD1(TXD) 31 TX
        PD2(INT0) 32
        PD3(INT1) 1
        PD4(XCK/T0) 2 SPEAKER_OUTPUT
        PD5(T1) 9
        PD6(AIN0) 10
        PD7(AIN1) 11

        PB0(ICP) 12
        PB1(OC1A) 13
        PB2(SS/OC1B) 14
        PB3(MOSI/OC2) 15
        PB4(MISO) 16
        PB5(SCK) 17

21 AGND
3   GND
5   GND
GND

ATMEGA328P_TQFP

R2
GREEN Anode
470
GND
R3
430
RED Anode
RIGHT_EYE_LED
GND

R6
GREEN Anode
470
GND
R7
430
RED Anode
LEFT_EYE_LED
GND

Model	Light R	Dark R
02-LDR1	50-100k	5M
02-LDR2	5-10k	0.2M
02-LDR3	100-200k	10M

https://www.nteinc.com/resistor_web/pdf/LDR-Series.pdf

5V0
R5
22k
LDR
U$2
PHOTO_RESISTOR
GND

GND   5V0
GND D- D+ 5V
USB_PCB

U$1
1 2
3 4
5 6
5V0
RESET
ARDUINO_ICSP
GND

PROG
RESET 1
RX   2
TX   3
5V0   4
5   5
PINHD-1X5
GND
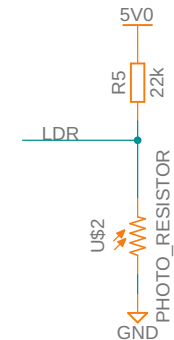
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http://www.github.com/aspork42/halloween2020

By James O'Gorman