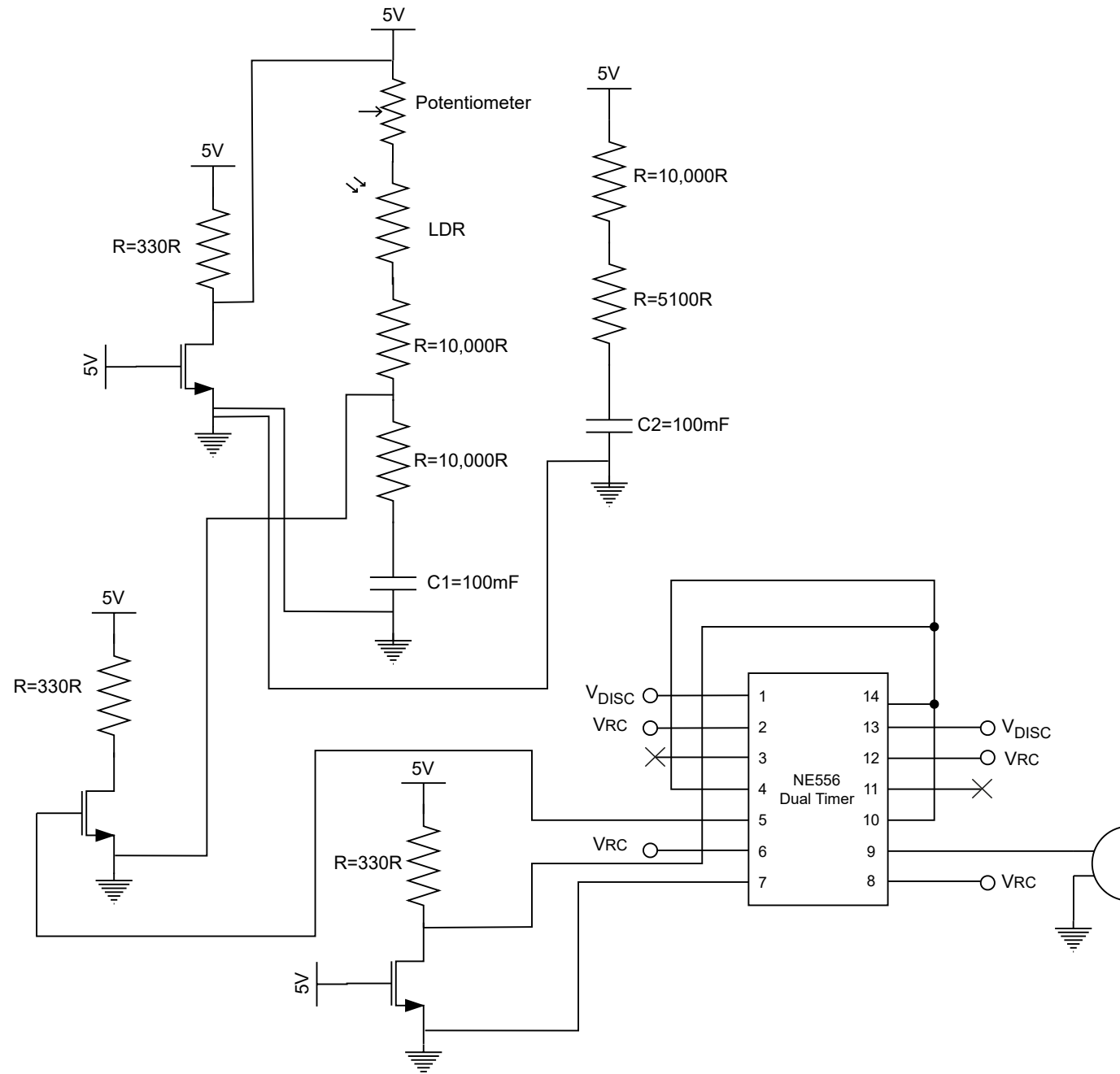


Failure Alert System



Sheet 1- Failure alert system

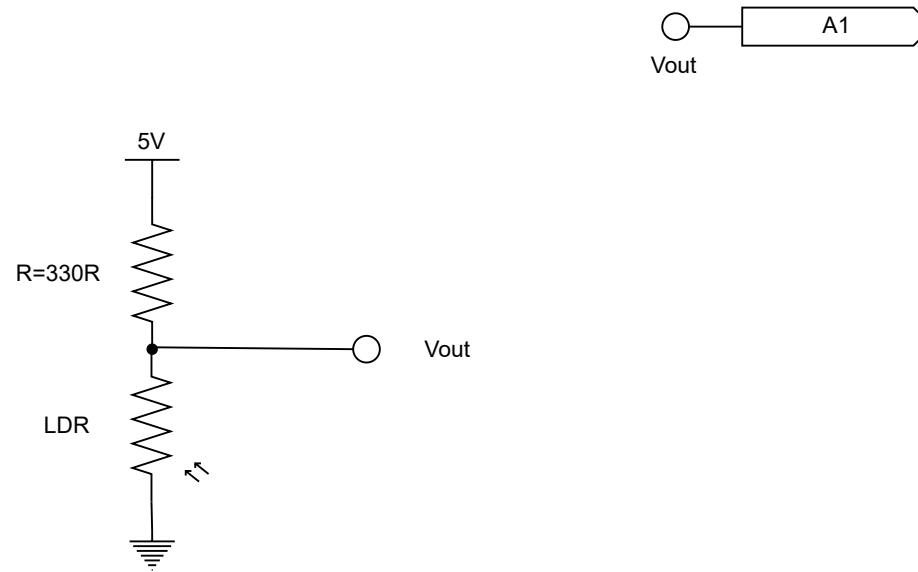
Used to - detect a power failure
in the system

Team F11

Revision number: 1

Date: 15/05/2024

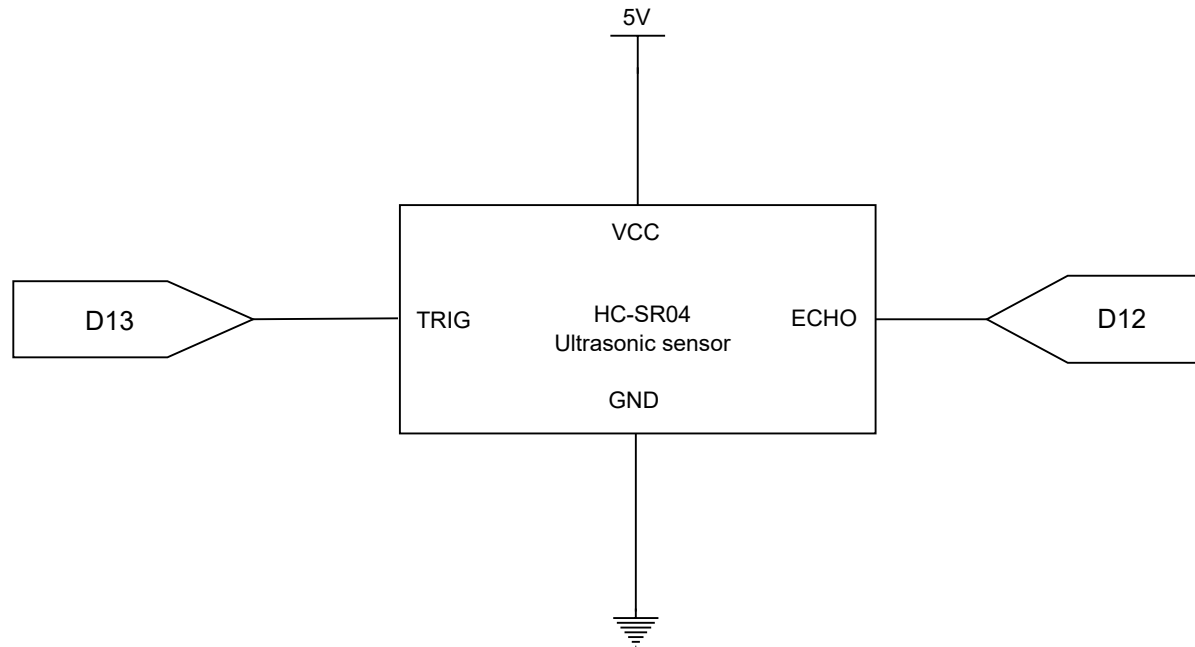
LDR



Sheet 2 - LDR

Used to measure the brightness
Team F11 - Athena Riziq
Revision number: 1
Date: 15/05/2024

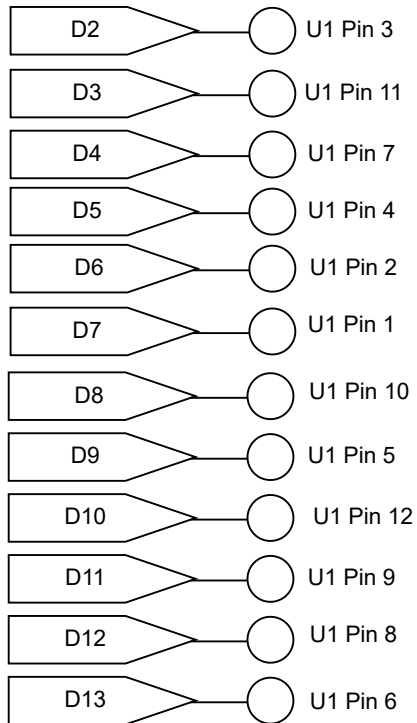
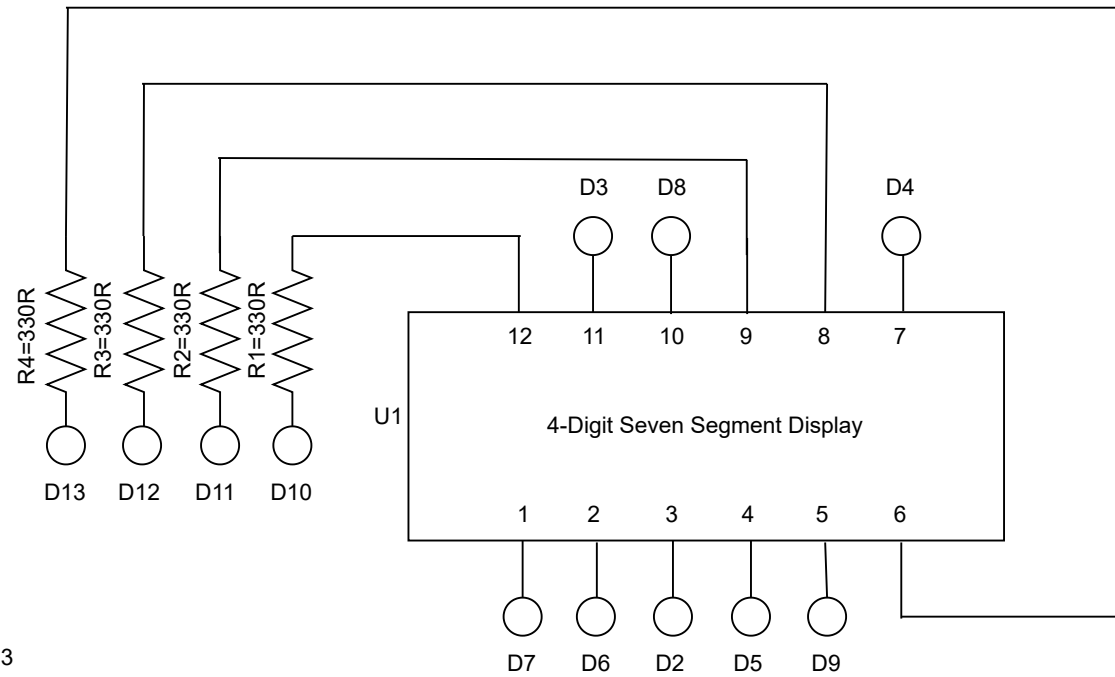
Ultrasonic Sensor



Sheet 3- Ultrasonic sensor

Used to measure the the height of the cars
Team F11 - Athena Riziq
Revision number: 1
Date: 15/05/2024

Seven Segment Display



Sheet 4 - Seven segment display

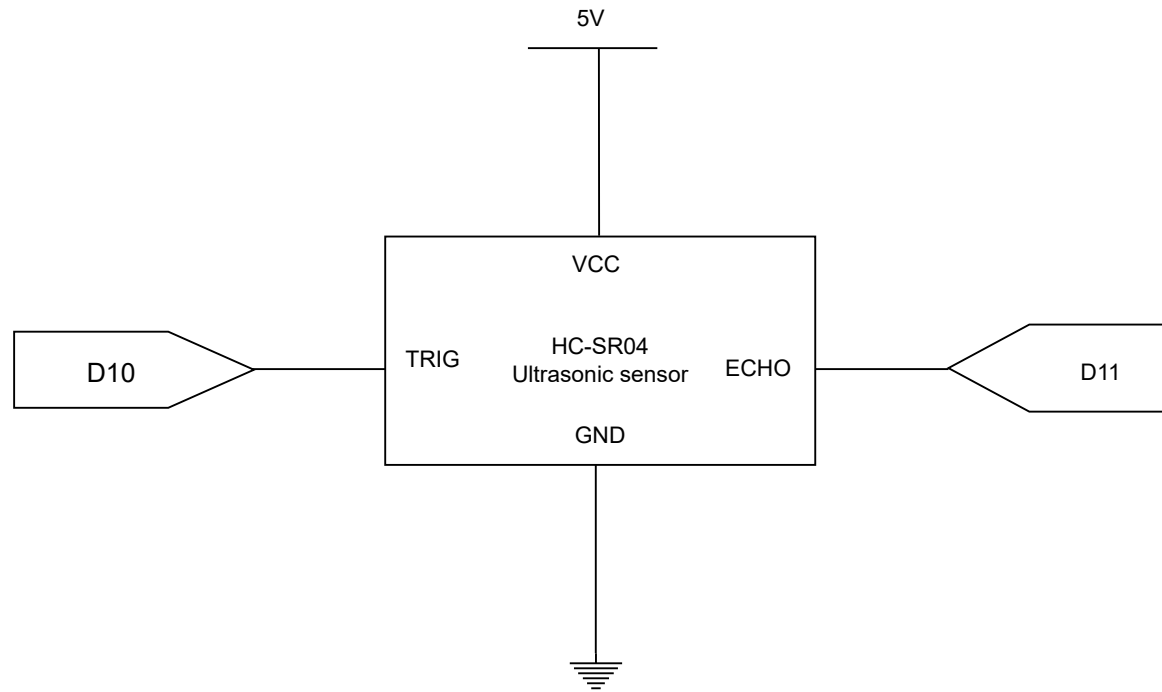
Used to display chosen messages

Team F11 - Kashish Sood

Revision number: 1

Date: 24/04/2024

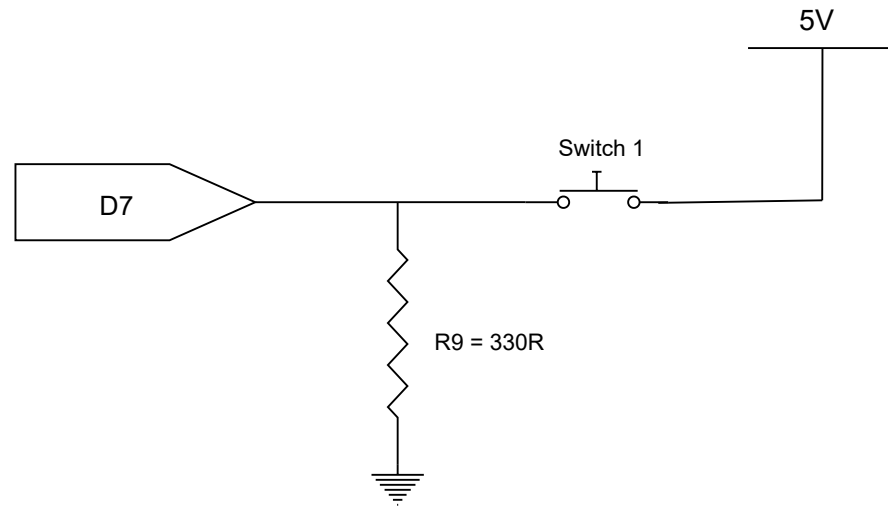
Ultrasonic Sensor



Sheet 5 - Ultrasonic sensor

Detects distance cars on road are from the sensor
Team F11 - Pui Wing Ng
Revision number: 1
Date: 24/04/2024

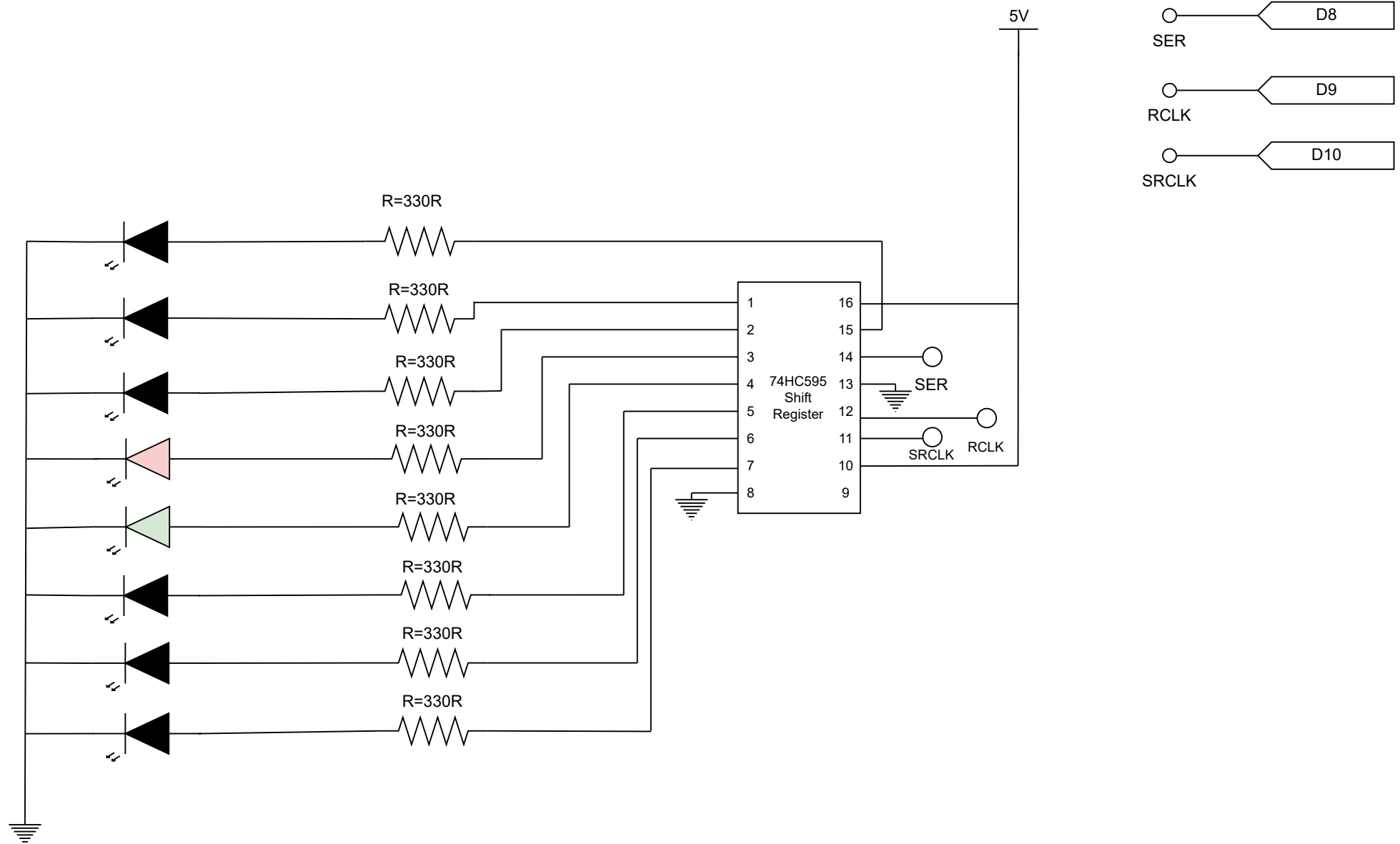
Pedestrian Push Button



Sheet 6 - Pedestrian push button

Sends a signal to the console when pushed,
indicating the presence of a pedestrian
Team F11 - Gaurav S Patangay
Revision number: 1
Date: 26/04/2024

Shift Register



Sheet 7- Shift register

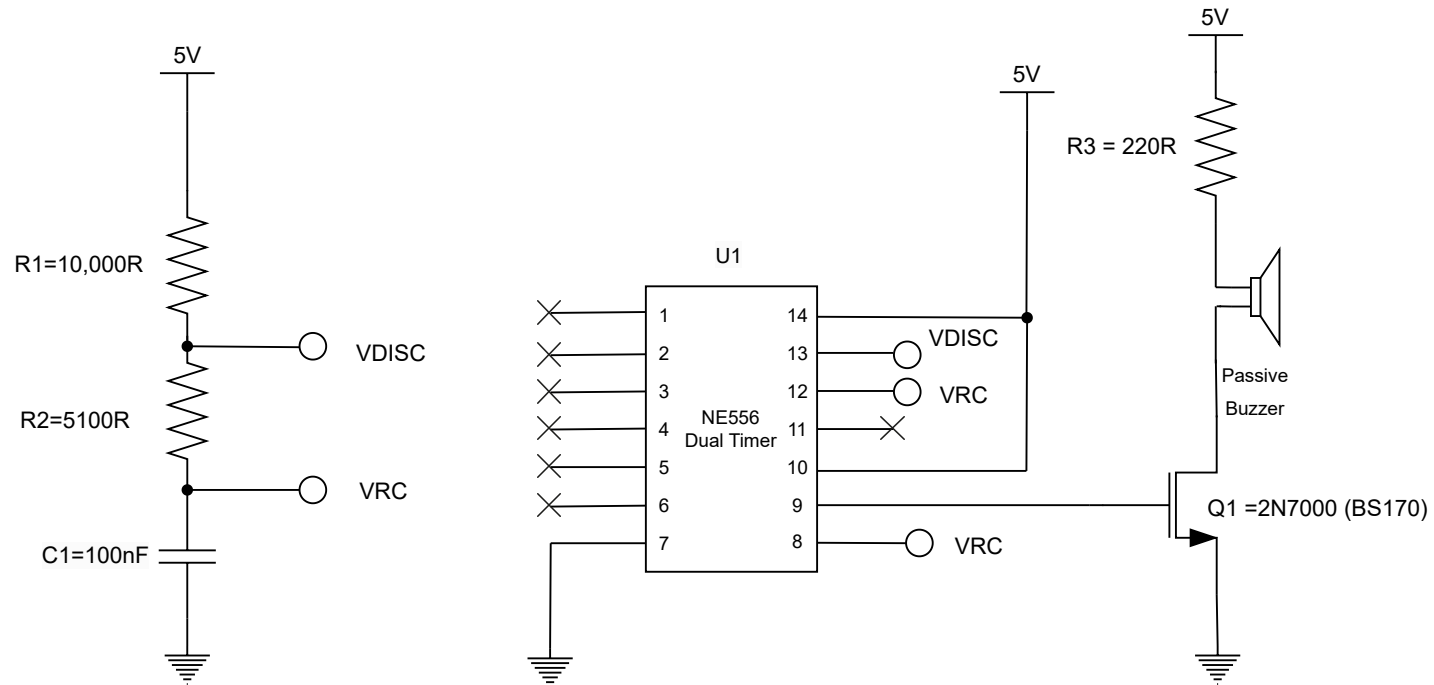
Used to minimise number of pins needed

Team F11 -Mathilde Stolz

Revision number: 1

Date: 15/05/2024

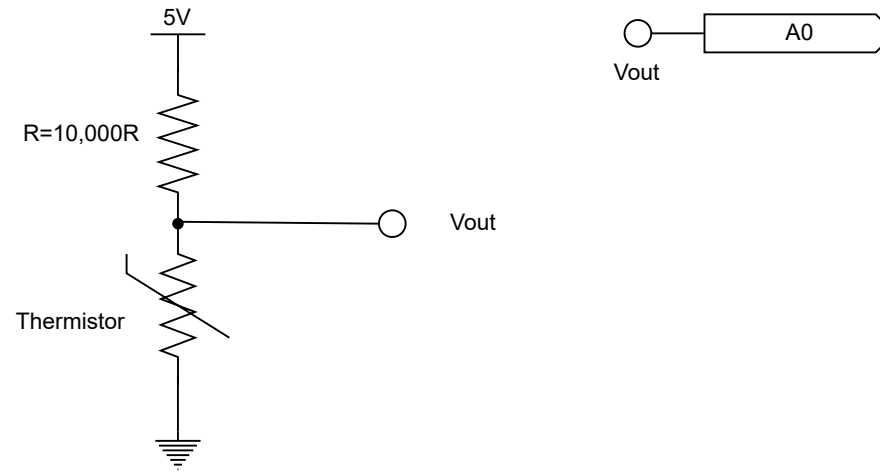
Stage two/five Buzzer



Sheet 8 - Buzzer

Used to make a buzzing tone in stage 2 and 5
 Team F11 - Gaurav S Patangay
 Revision number: 1
 Date: 15/05/2024

Thermistor



Sheet 9 - Thermistor

Used to measure the temprtemperature
Team F11 - Pui Wing Ng
Revision number: 1
Date: 15/05/2024