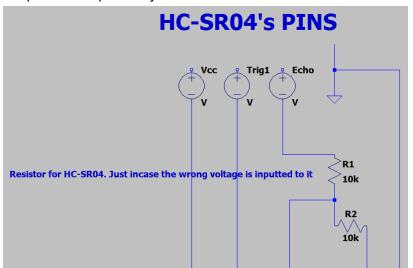
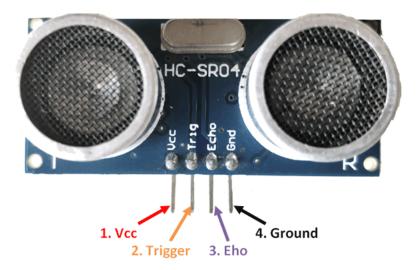
Introduction:

This is a draft schematic of the project.

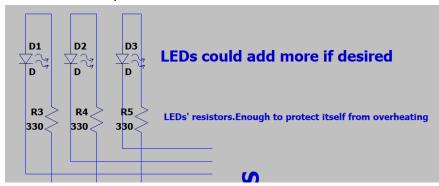
LTSpice of the proximity sensor:



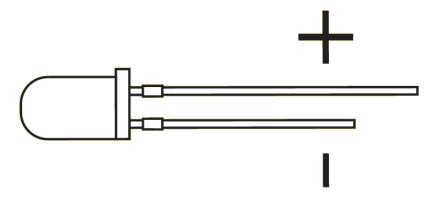
The pins of the HC-SR04's pins. Echo pin is an Output pin. This pin goes high for a period of time which will be equal to the time taken for the US wave to return back to the sensor.



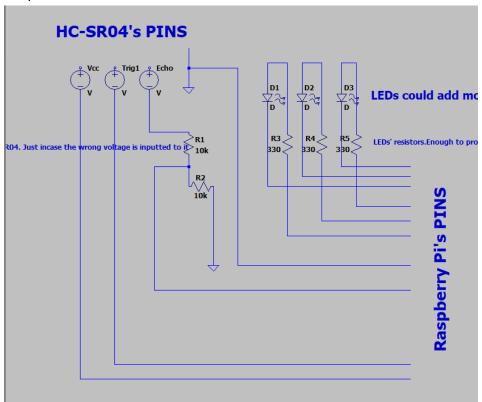
The LEDs in LTSpice:



We'll be using a two pin LED for our project



LTSpice, zoomed out view:



The pins of the microcontroller. Depending on how everything is coded, we will assign the wires in their respective places.

