Wiring Diagram for Robot and Ultrasonic Sensor

L298N Motor Driver Board

Left Motor

Right Motor

E585460-4121
E4104-LS8-1
2000mAh 3.7V
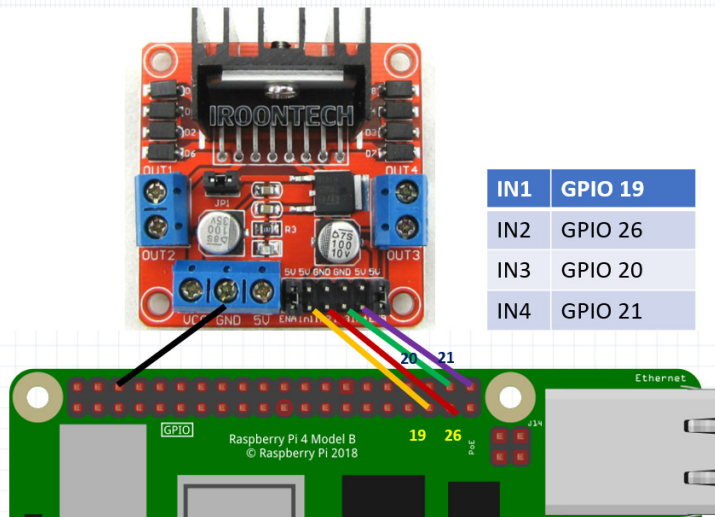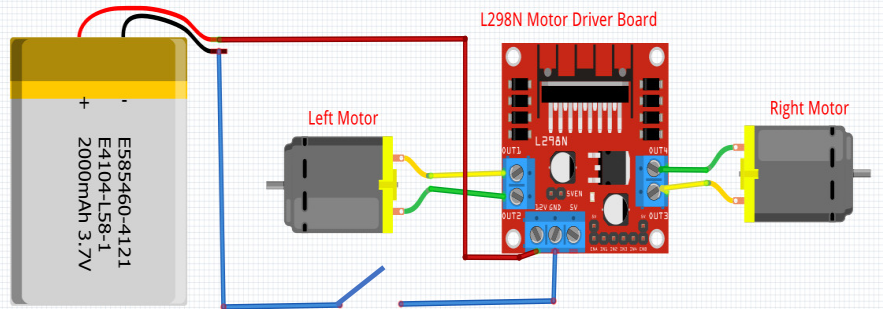
WIRING HCSR04 SENSOR	
VCC	5V POWER
TRIGGER PIN	16
ECHO PIN	18
GND	GROUND

IN1	GPIO 19
IN2	GPIO 26
IN3	GPIO 20
IN4	GPIO 21

Raspberry Pi 4 Model B
© Raspberry Pi 2018

19   26

20   21

Ethernet

VCC

18

16

330 ohm

470 ohm

GND
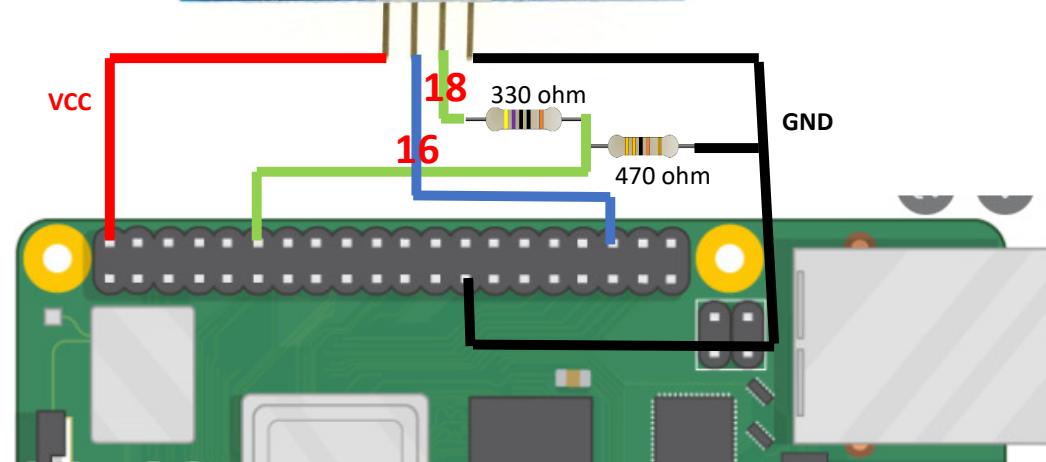
Wiring Diagram for Ultrasonic Sensor

Voltage Divider
To convert 5v to 3v

330 ohm

470 ohm

5V

GND
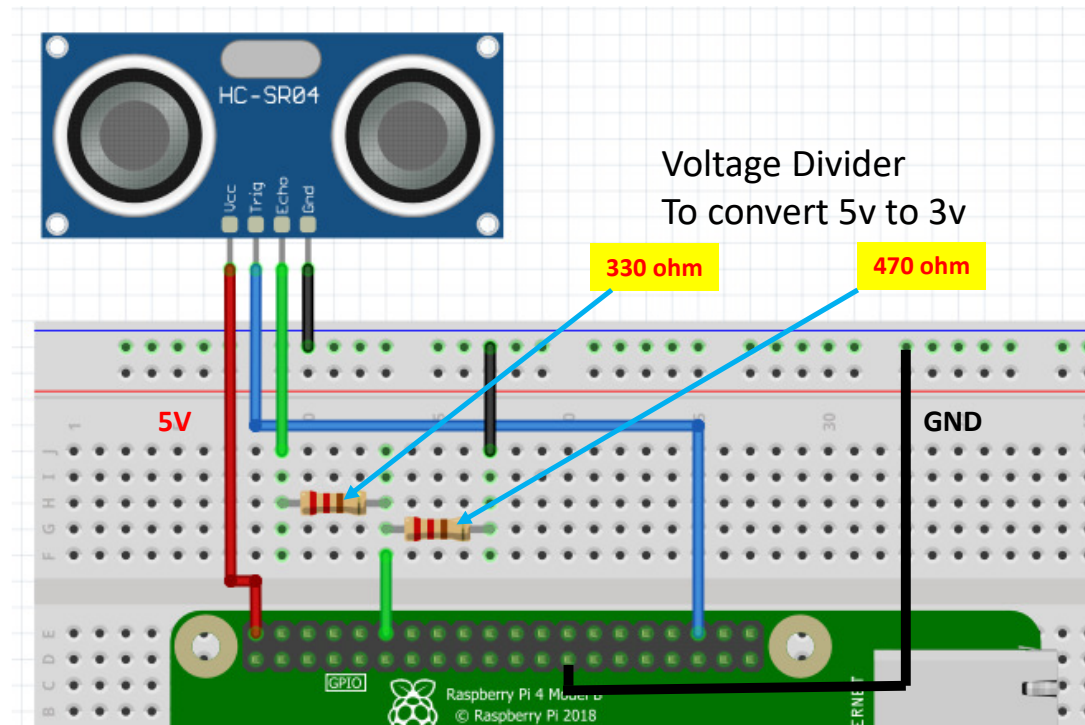
https://gpiozero.readthedocs.io/en/stable/api_input.html?highlight=distancesensor#gpiozero.DistanceSensor