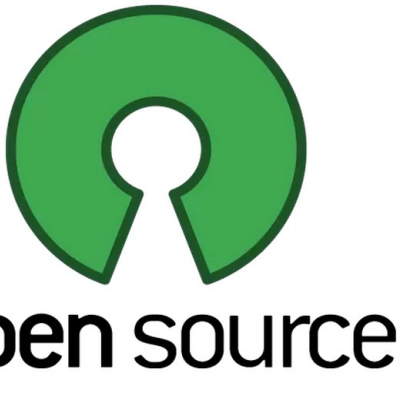


Arduino: Entrada/Salida analógica

Alberto Labarga – Experimental Serendipity S.L.

Laboratorio de Fabricación Digital, Mutilva, 14 de Marzo de 2014

http://www.apptivismo.org/laboratorio-fabricacion-digital/

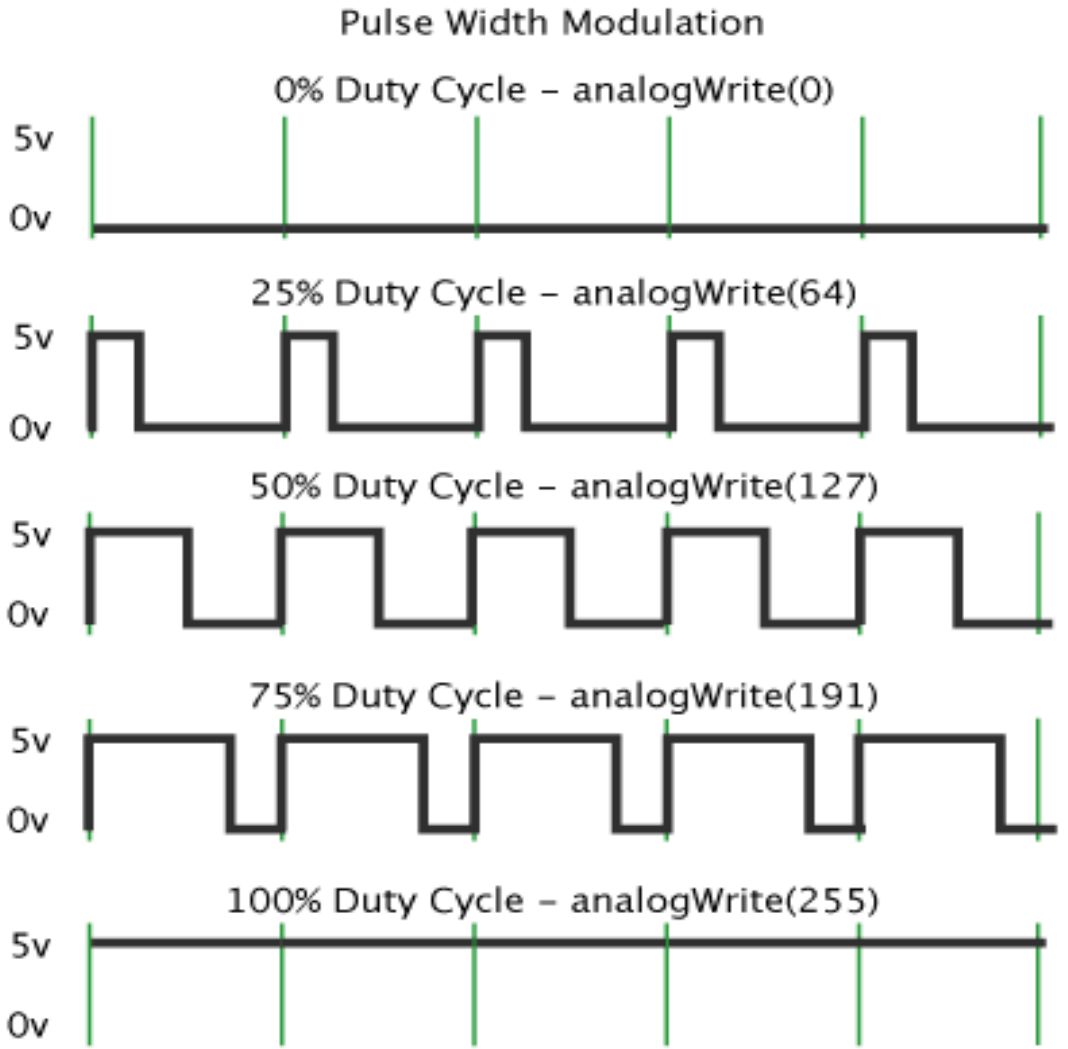
Funciones

- sensorValue = analogRead(pin);

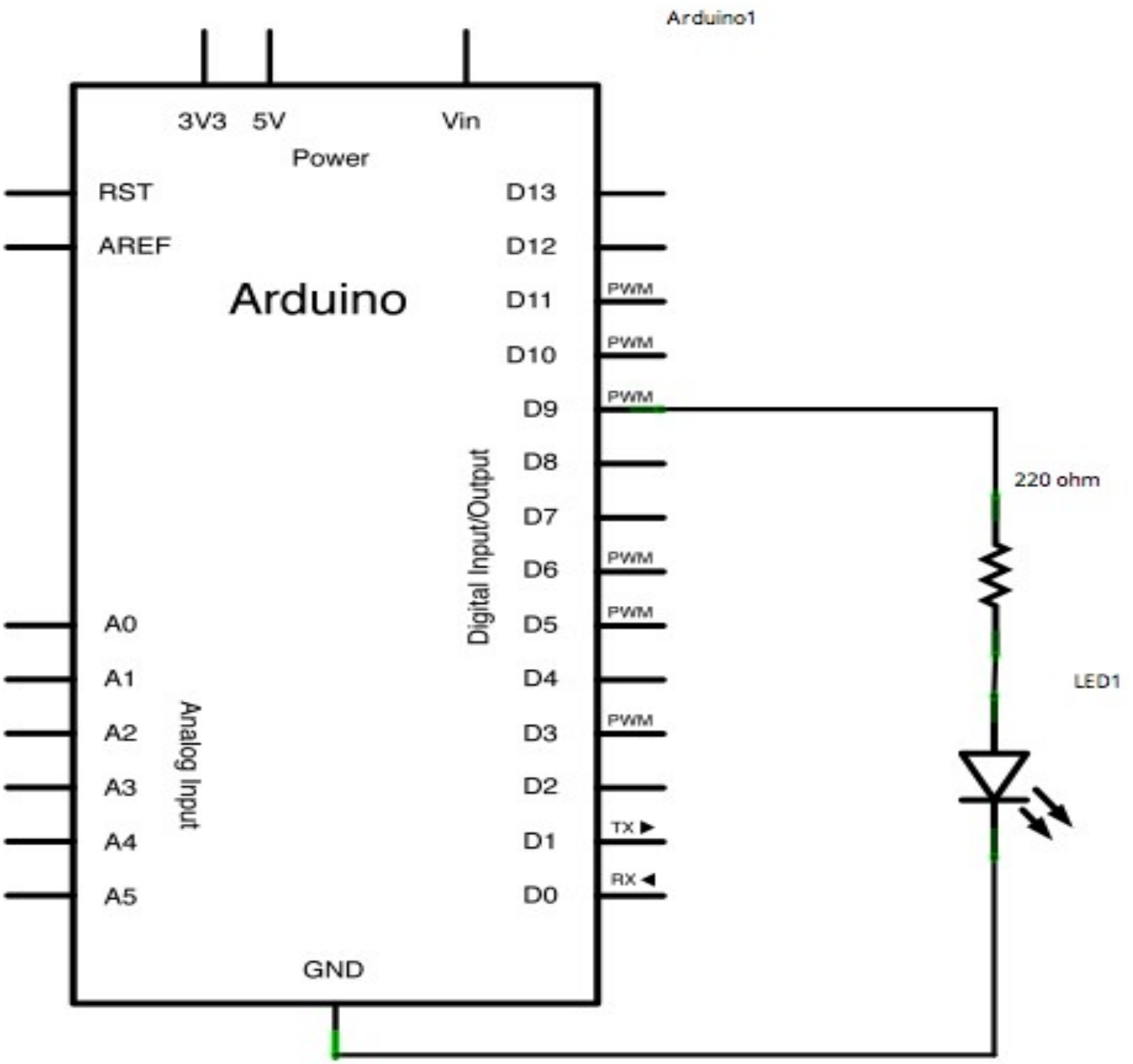
  // 0 to 1023 // pin 0 a 5
- analogWrite(pin, value);

  // 0 to 255 // pin 3, 5, 6, 9, 10, y 11
- val = map(sensorValue, 0, 1023, 0, 255);

PWM



http://es.wikipedia.org/wiki/ModulaciC3%B3n_por_ancho_de_pulsos



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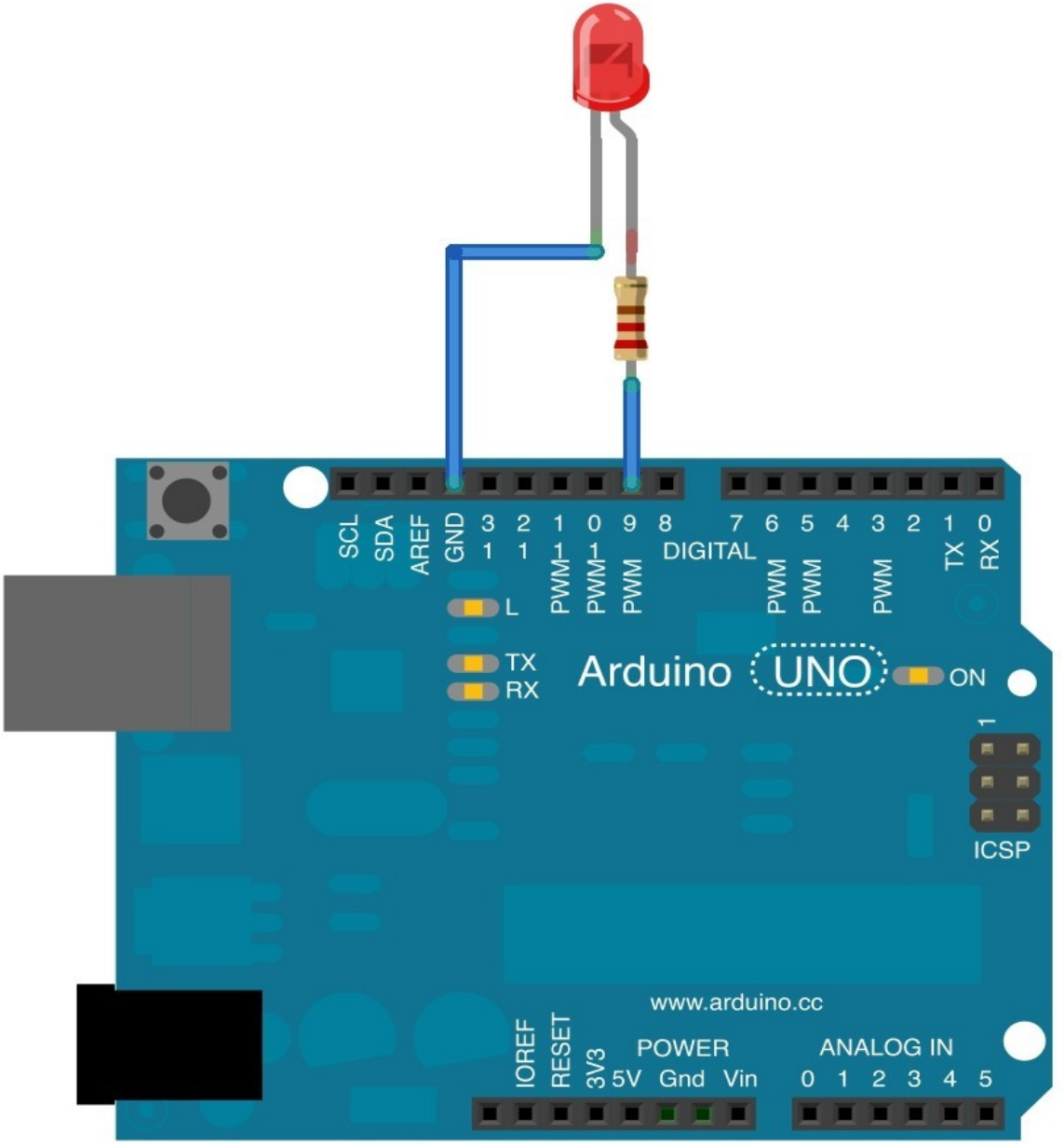

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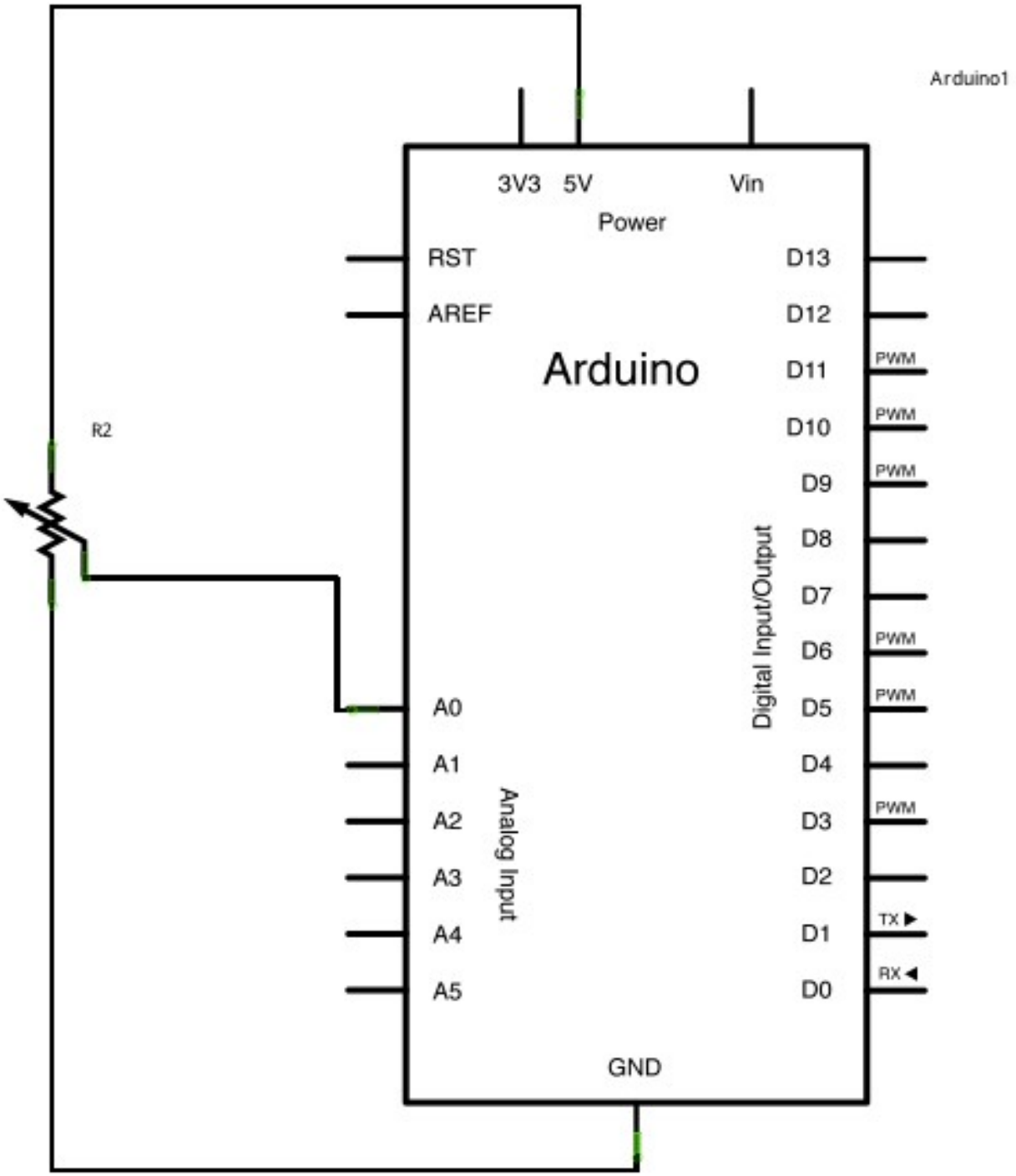

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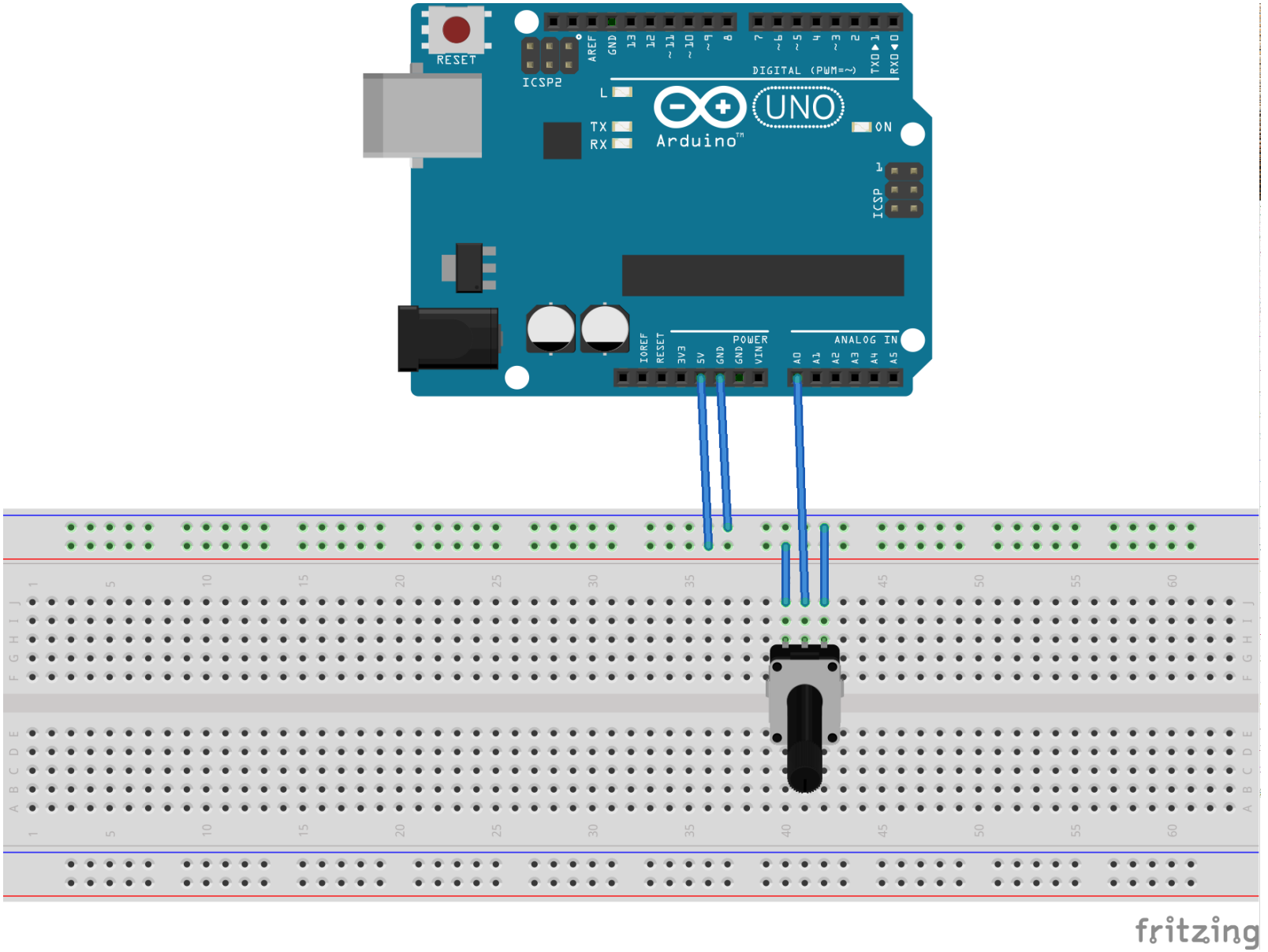

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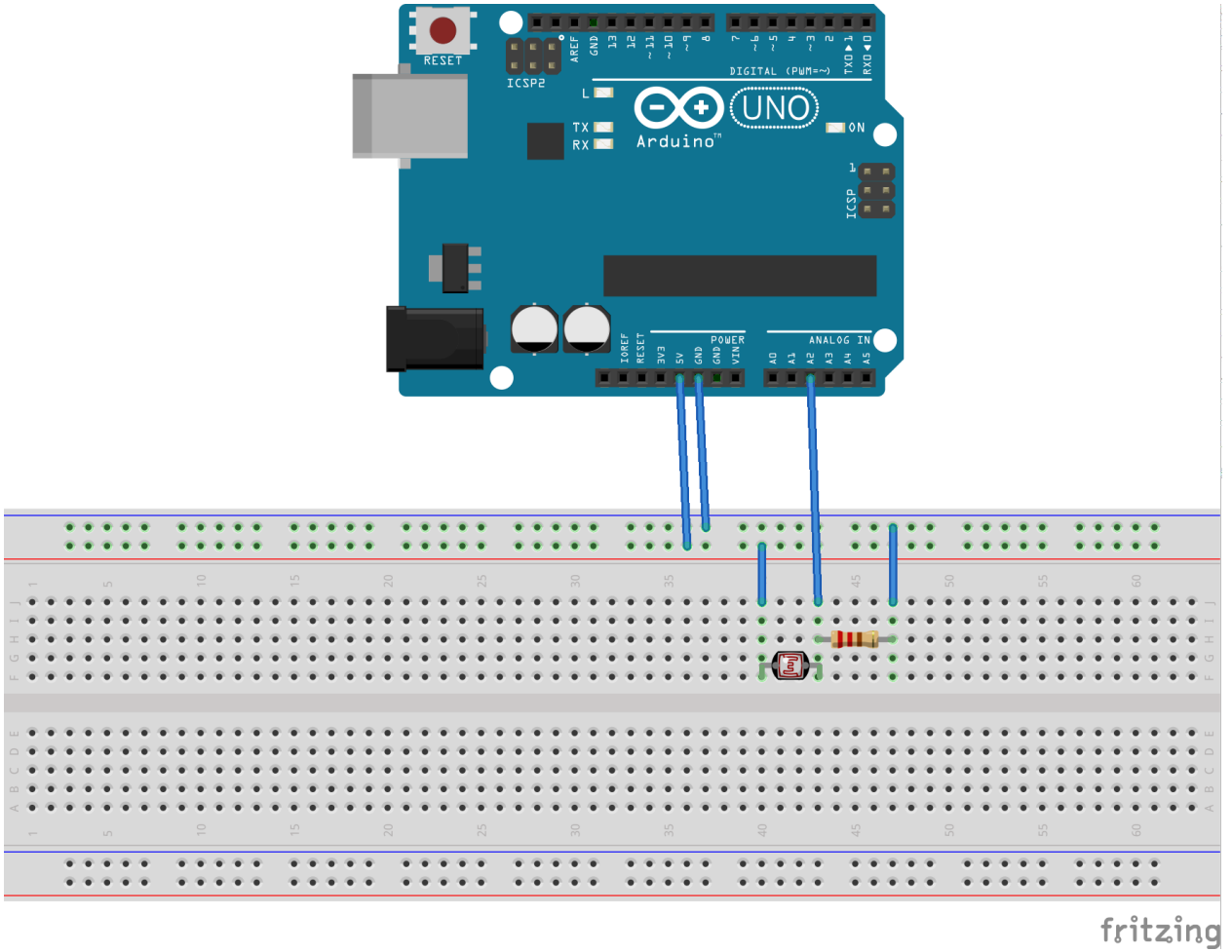

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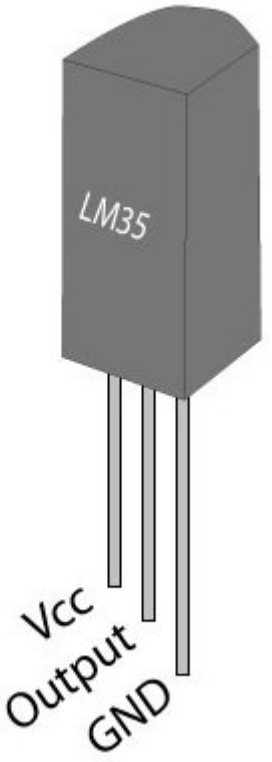
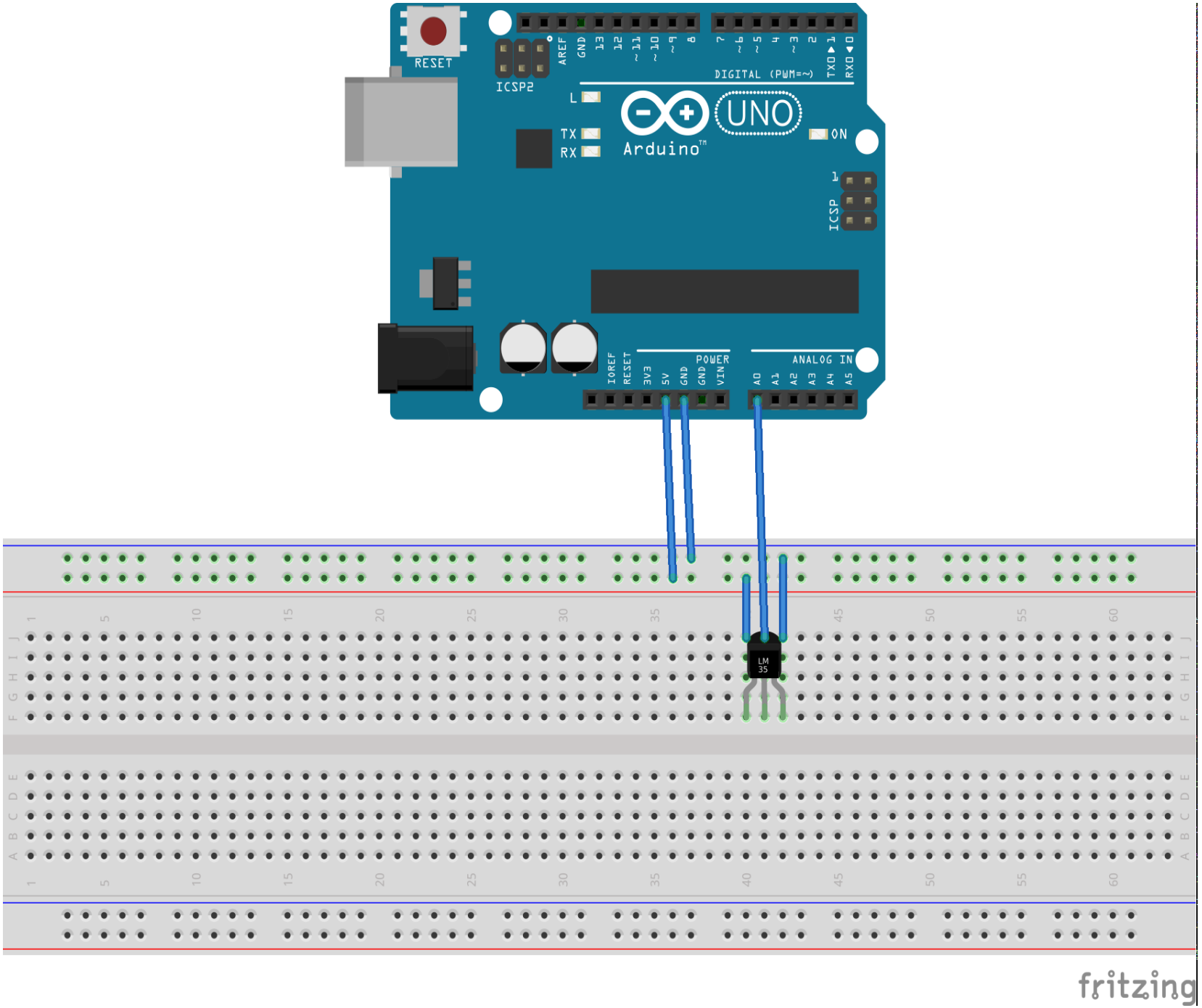
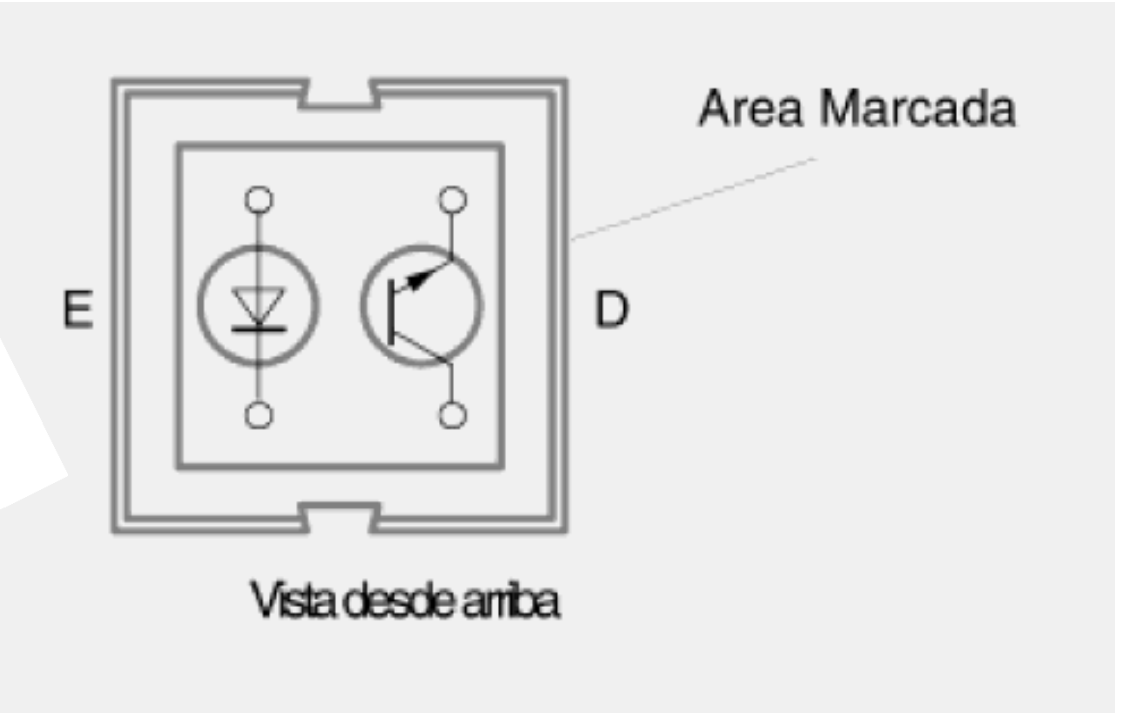
93AD
LM35
DZ

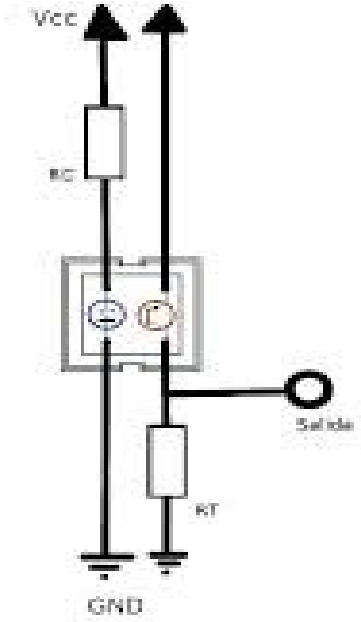

LM35
Vcc
Output
GND



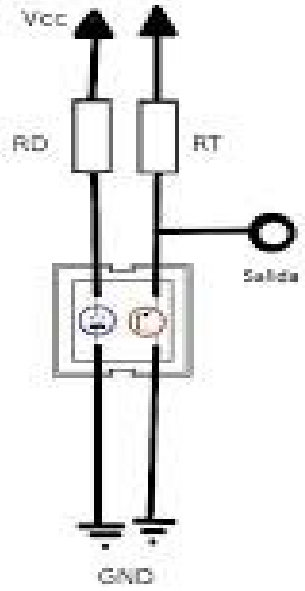
http://www.apptivismo.org/laboratorio-fabricacion-digital/descargas/codigo/Temperatura/


V
CNY70
344

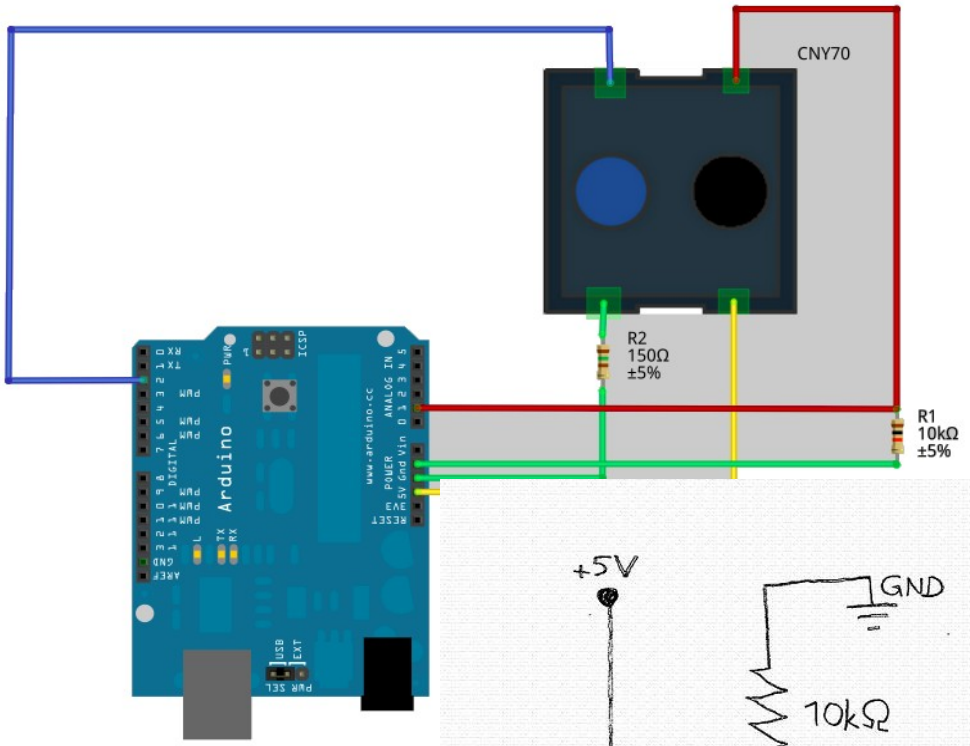

Area Marcada
E
D
Vista desde arriba

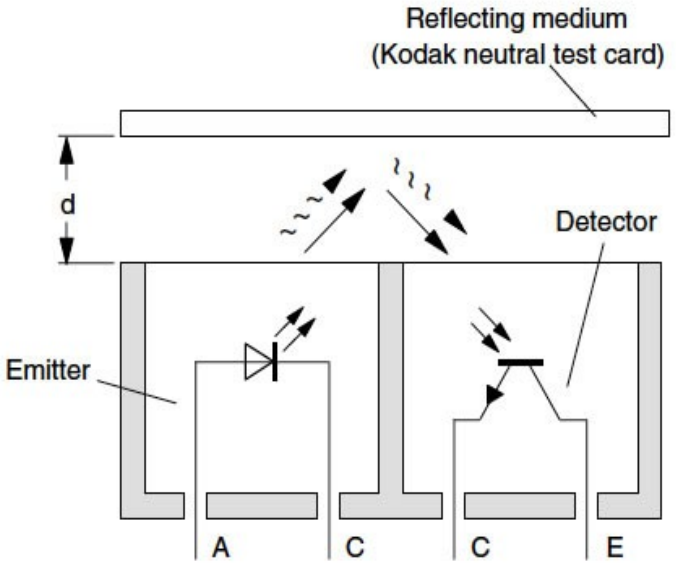


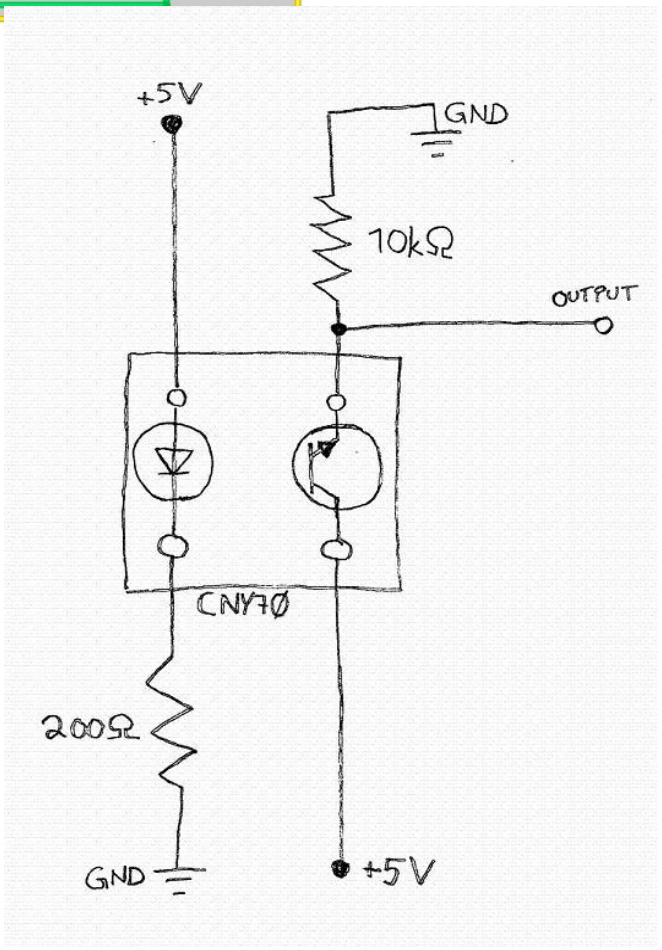
Configuración A

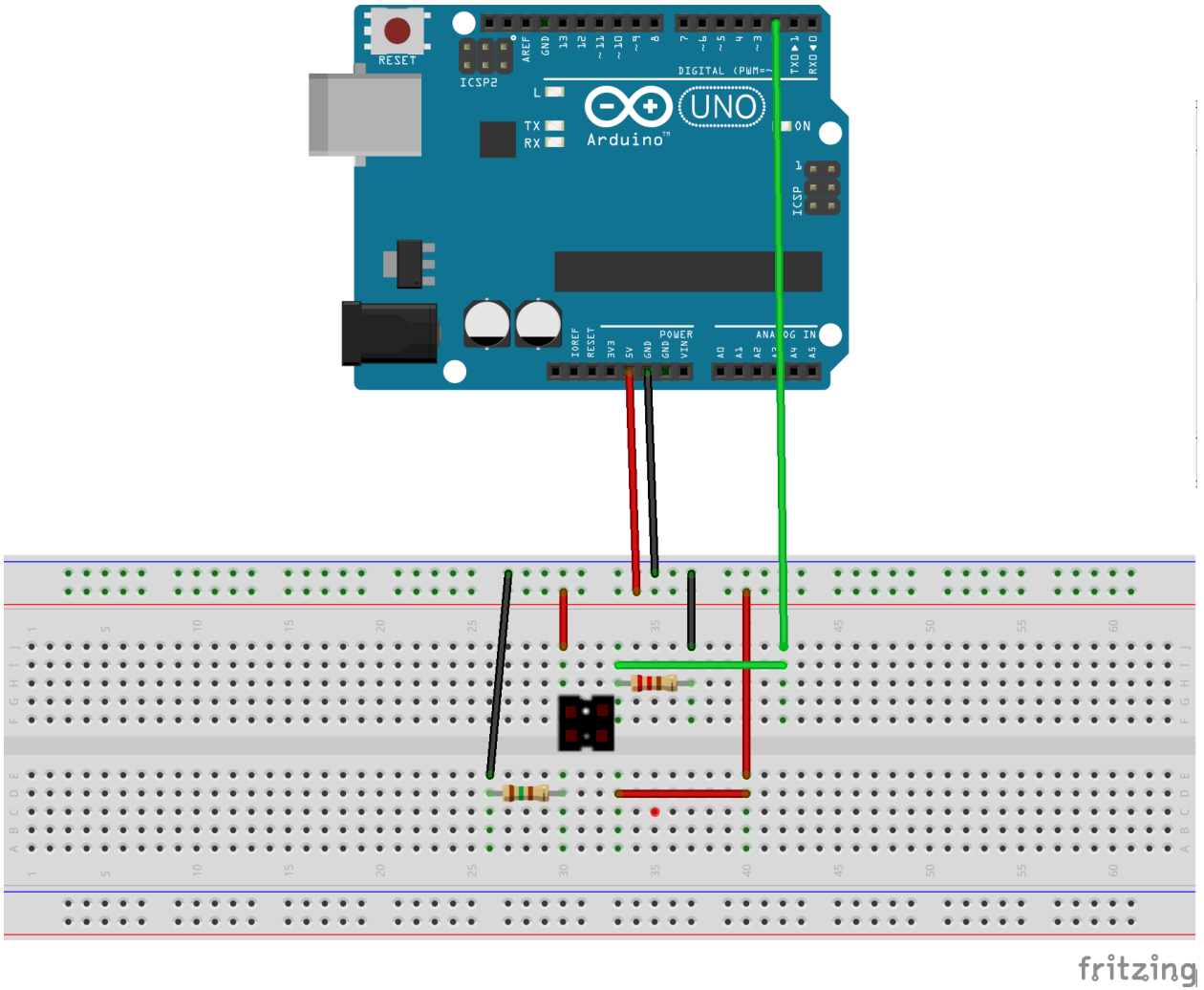


Configuración B



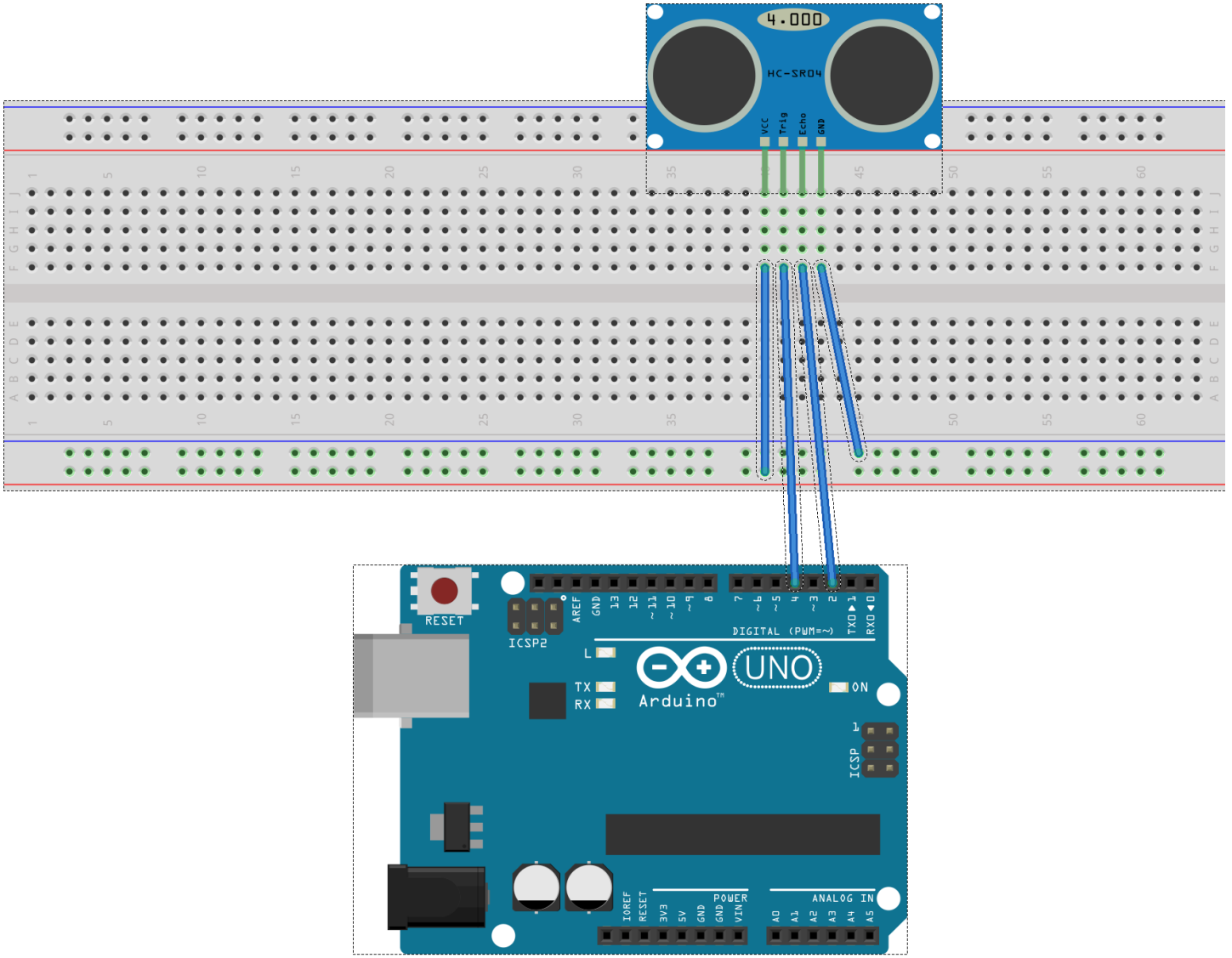






http://www.apptivismo.org/laboratorio-fabricacion-digital/descargas/codigo/CNY70/


HC-SR04
Vcc
Trig
Echo
Gnd



http://www.apptivismo.org/laboratorio-fabricacion-digital/descargas/codigo/Ultrasonic/