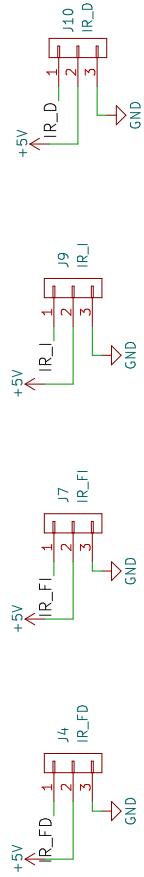


**SENSORES DE DISTANCIA:**  
En esta versión se utilizan 2 sensores de distancia Pololu 38 kHz IR



Sensor TATAMI FI

+5V

GND

TATAMI\_FI

J8

3

2

1

Sensor TATAMI FD

+5V

GND

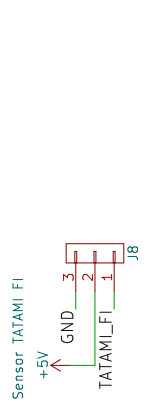
TATAMI\_FD

J5

3

2

1

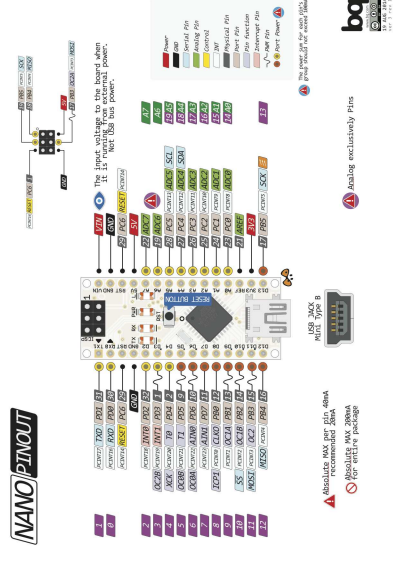


A circuit diagram showing a buzzer component. The buzzer is represented by a semi-circular symbol with a triangle inside. It has two pins: pin 1 is connected to a green line labeled 'BUZZER', and pin 2 is connected to a green line labeled 'GND'.



Club de Robótica  
Autor: Ing. Mariano Bustos  
E.E.S.T. N°5

Pin connection diagram for the Arduino Nano Header. The diagram shows a 16-pin header on the left connected to various components on the right. The components include: START (pin 1), ESTREA (pin 2), BUZZER (pin 3), M1B (pin 4), M1A (pin 5), M2B (pin 6), M2A (pin 7), TATAMI\_FI (pin 8), TATAMI\_FD (pin 9), IR\_J (pin 10), IR\_FI (pin 11), IR\_FD (pin 12), IR\_D (pin 13), AREF (pin 14), and GND (pins 15 and 16). The header pins are numbered 1 to 16. The connections are as follows: Pin 1 to START, Pin 2 to ESTREA, Pin 3 to BUZZER, Pin 4 to M1B, Pin 5 to M1A, Pin 6 to M2B, Pin 7 to M2A, Pin 8 to TATAMI\_FI, Pin 9 to TATAMI\_FD, Pin 10 to IR\_J, Pin 11 to IR\_FI, Pin 12 to IR\_FD, Pin 13 to IR\_D, Pin 14 to AREF, Pin 15 to GND, and Pin 16 to GND.



**Absolute max per pin above recommended 20mA**

**Resolving MAX 200mA for entire package**

**USB 3.0C Mini Type B**

**Analog exclusively Pins**

**bot**

**POWER**  
MAX 200mA  
VDD 3.3V

© 2016 Analog Devices Inc.