

Pin configuration diagram for SL3 module:

- Pin 3 (blue) is connected to GND.
- Pin 2 (green) is connected to GND.
- Pin 1 (red) is connected to 5V.
- The output is labeled OUT_C.

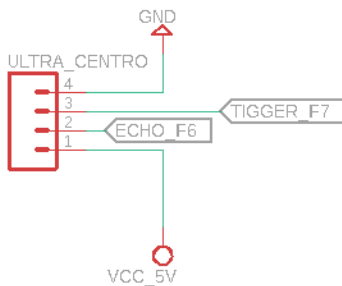
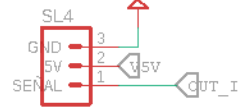
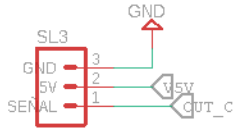
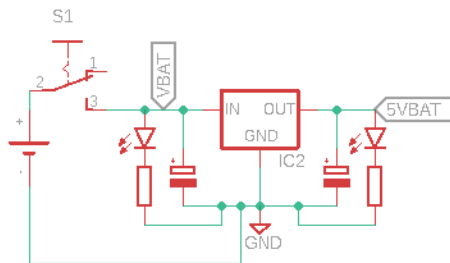
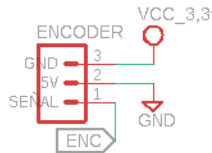
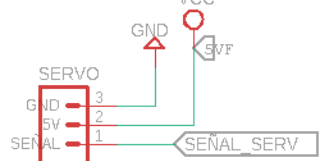
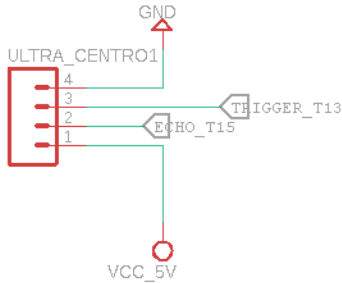
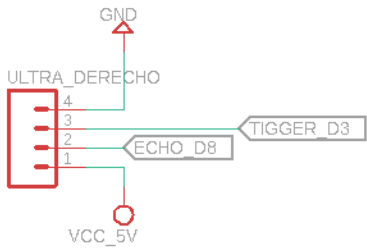


Diagrama de conexión para el módulo de ultrasonido HC-SR04. El conector de 4 pines está etiquetado como ULTRA_DERECHO. Los pines están conectados de la siguiente manera:

- Pin 1: VCC_5V
- Pin 2: GND
- Pin 3: ECHO_D8
- Pin 4: TIGGER_D3



IC3
ARD-NANO30NP

Pin	Function	Pin	Function	Pin	Function
MH1	1	MH1	16	MH4	21
1	D1/TX	MH4	VIN	17	
2	D0/RX	GND_2	18	18	
3	RESET_1	RESET_2	19	19	5V
4	GND_1	+5V	20	20	
5	D2	A7	21	21	
6	D3	A6	22	22	
7	D4	A5	23	23	
8	D5	A4	24	24	
9	D6	A3	25	25	
10	D7	A2	26	26	
11	D8	A1	27	27	
12	D9	A0	28	28	
13	D10	AREF	29	29	
14	D11	3V3	30	30	
15	D12	D13			
MH2	MH2	MH3			

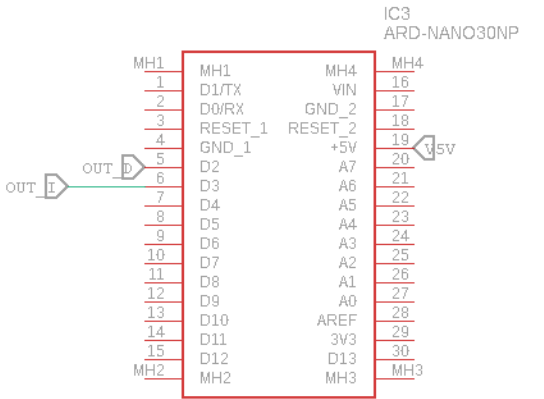
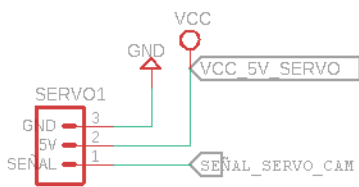


Diagram illustrating the wiring for the servo motor:

- SERVO1** (Pin 1) is connected to **VCC**.
- GND** (Pin 2) is connected to **GND**.
- 5V** (Pin 3) is connected to **VCC**.
- SIGNAL** (Pin 4) is connected to **SIGNAL_SERVO_CAM**.

The servo motor is labeled **VCC 5V_SERVO**.



MPU9250

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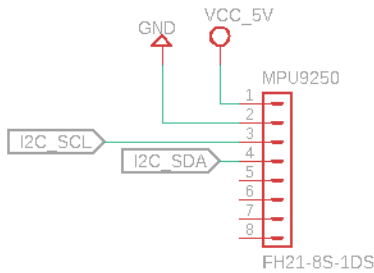
I2C SCL

I2C SDA

GND

VCC_5V

FH21-8S-1DS



The diagram shows a 74VHC14 hex inverter (IC4) used as a voltage level shifter. The input (IN) is connected to a 5V supply through a 10k resistor and a switch S3. A 100nF capacitor is connected between the input and ground. The output (OUT) is connected to a 3.3V output terminal through a 10k resistor. A 100nF capacitor is also connected between the output and ground. The ground (GND) is common to both the input and output stages.

