

Raspberry Pi 3



Arduino Uno Rev3



AWW

Advantages

- Stronger and quicker processor, multitasking available
- Built in Ethernet port, Wi-Fi and Bluetooth capability
- OS can be switched easily
- Audio output, Camera port, USB ports, HDMI output all included
- Great to start learning to code with its helpful learning programs already installed
- Great for projects that need to connect online and have multiple activities going on at the same time

- Long set up and will need extra components when first starting (HDMI cable, monitor, keyboard)

- Easier to connect to analog sensors, motors and other electronic components
- Variety of Shields that can add functionality
- Long set-up not needed, just plug in and code will run
- Price is cheaper (around \$20) and will not need much cables (standard A/B USB)
- Great for projects that need to quickly get data from sensors and do one activity from that data

- Can run one code at a time, so can't multitask activities, slower speed
- No Internet connectivity right out the



PRODUCT DETAILS



5500mAh
Capacity



3S1P
Configuration



11.1V
Voltage



50C
Discharge Rate



JST-XHR-4P



Deans T



Soft Case



Weight (0.83lb)

Nuevo



Batería De Lipo 11.1 5000 50
C Se Vende X Unidad

US\$ 67⁹⁹ ?

Bs. 5.343,33

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+500 ventas

Product Dimensions

Ovonic high performance RC Car Racing battery



Weight: 96g

Nuevo | +5 vendidos



Batería Lipo 2s 35c 2200mah 7.4v Lipo

5.0 ★★★★★ (4)

US\$ 29⁹⁹ ⓘ

Bs. 2.356,91

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Sensor Ultrasónico De Distancia Del Módulo Hc-sr04

5.0 ★★★★★ (5)

US\$ 5⁹⁹ ⓘ

Bs. 470,75

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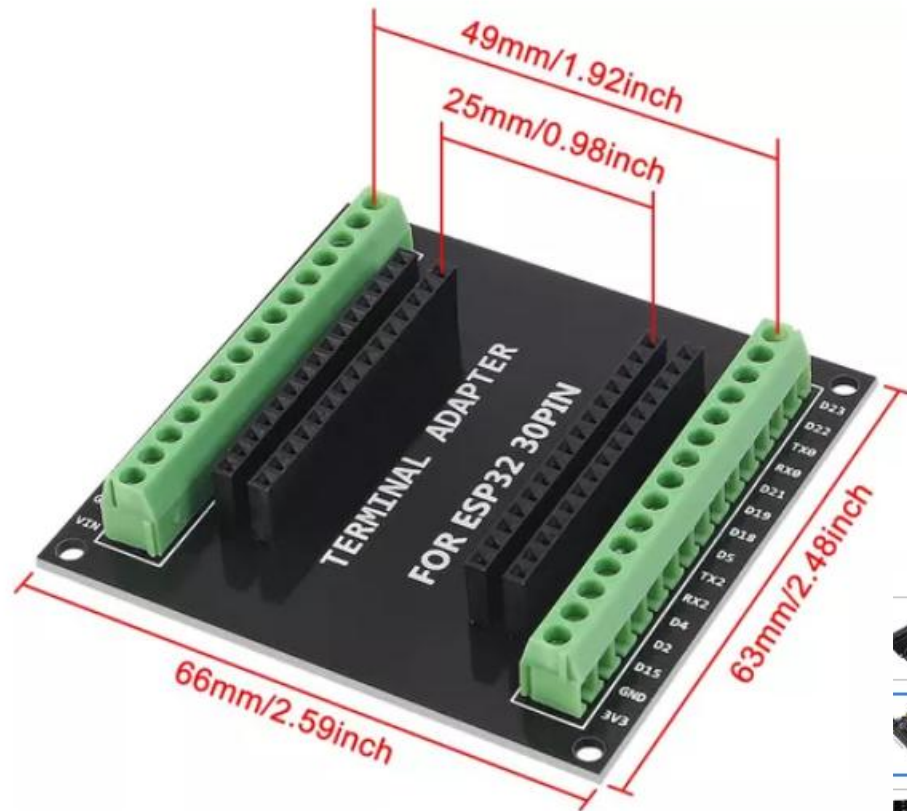
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Nuevo | 3 vendidos



Esp-32s Placa Desarrollo
Tipo-c Usb Ch340c
Wifi+bluetooth

5.0 ★★★★★ (1)

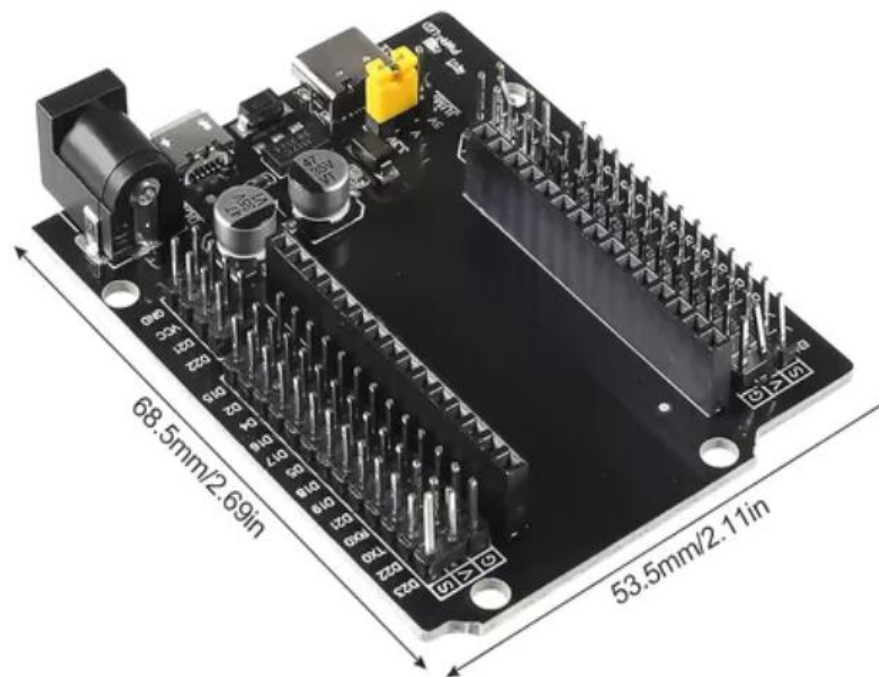
US\$ 10⁹⁹ 

Bs. 863,70

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Nuevo



Esp32 Placa De Desarrollo Gpio Breakout Board 30pin Arduino

US\$ 6⁹⁹ (?)

Bs. 549,34

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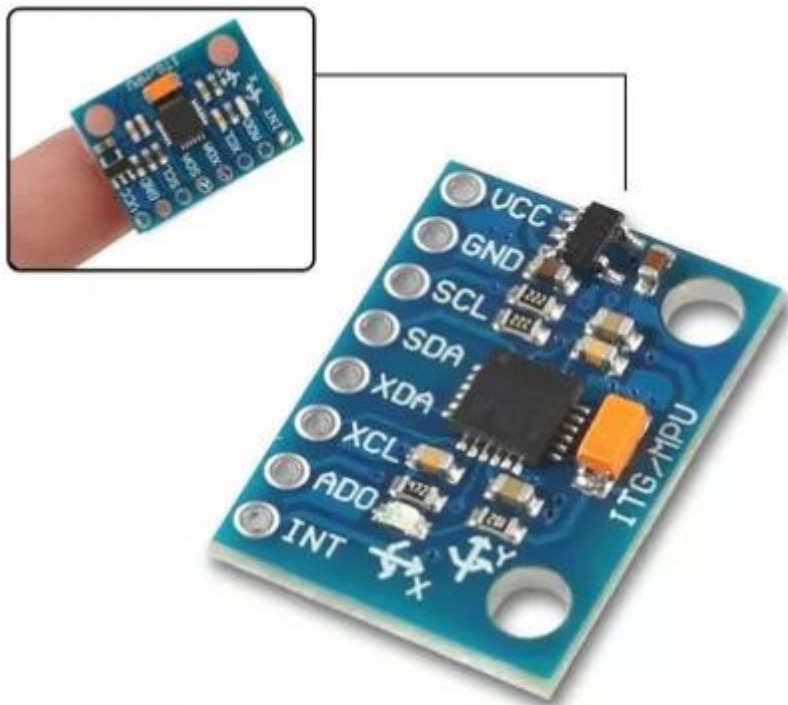
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- ✓ Chip built-in 16bit AD converter, 16-bit data output
- ✓ Gyro range: ± 250 500 1000 2000 $^{\circ}/s$
- ✓ Acceleration range: ± 2 ± 4 ± 8 $\pm 16g$

Nuevo | +5 vendidos



Módulo Gy-521 Mpu-6050 Mpu6050 Arduino (1)

5.0 ★★★★★ (4)

US\$ 5⁵⁰ ?

Bs. 432,25

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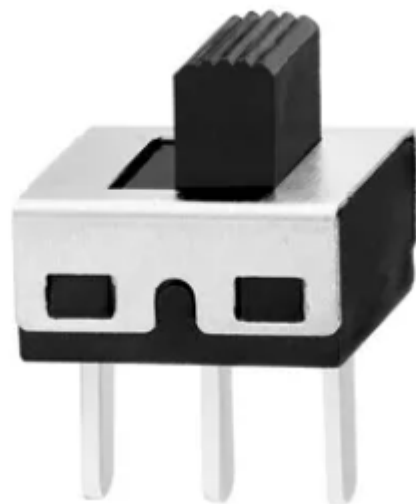
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+500 ventas



CIRCUIT DIAGRAM



How does slide switch work:
The middle pin is fixed. When the handle is pushed to the left, the left two pins are connected; push it to the right, the two pins on the right connect, thus switching circuits.

Nuevo | 1 vendido



Arduino Interruptor Deslizante 1p2t 2 Posiciones 2 Piezas

US\$ 2⁹⁹ ?

Bs. 234,98

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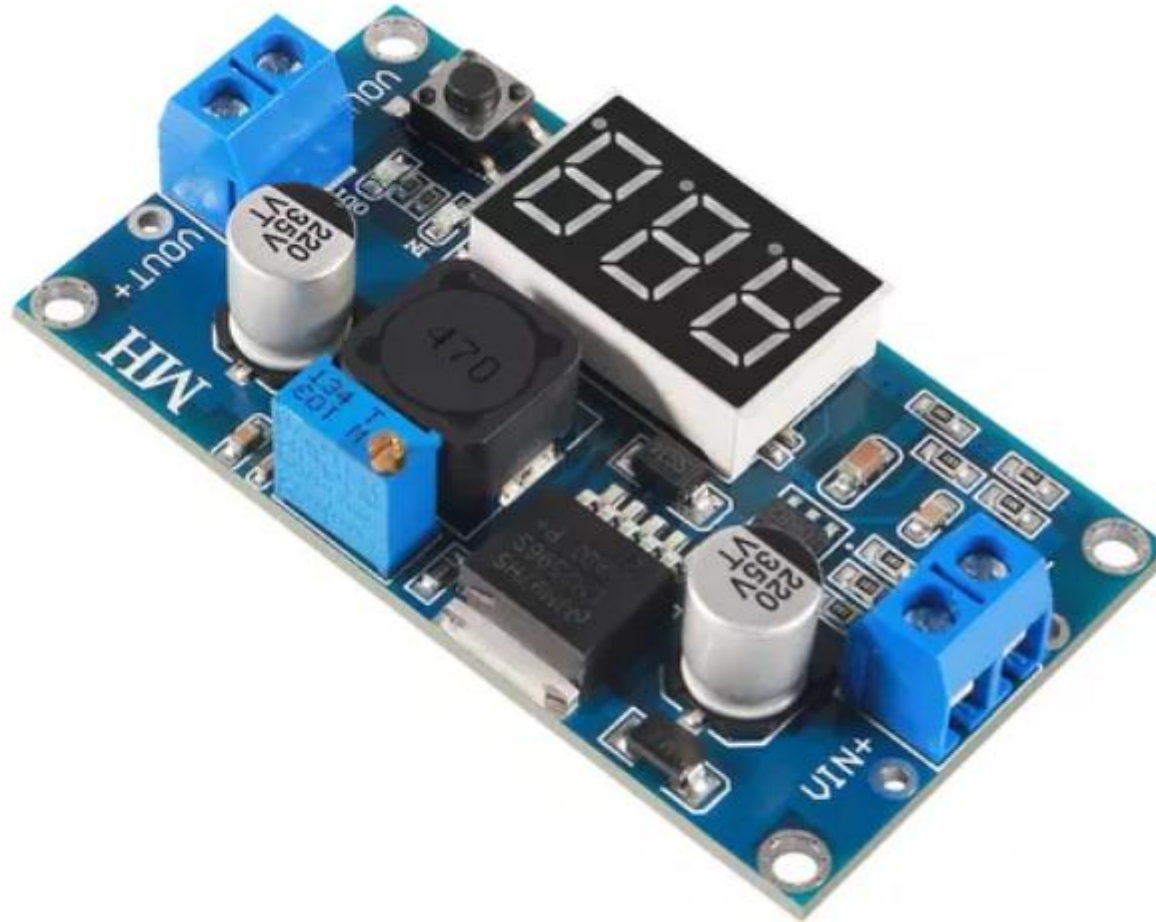
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11.1v battery lipo



Nuevo | 1 vendido



Convertidor Reductor Regu- lador Lm2596 Con Pantalla Led

US\$ 6⁵⁰ ?

Bs. 510,84

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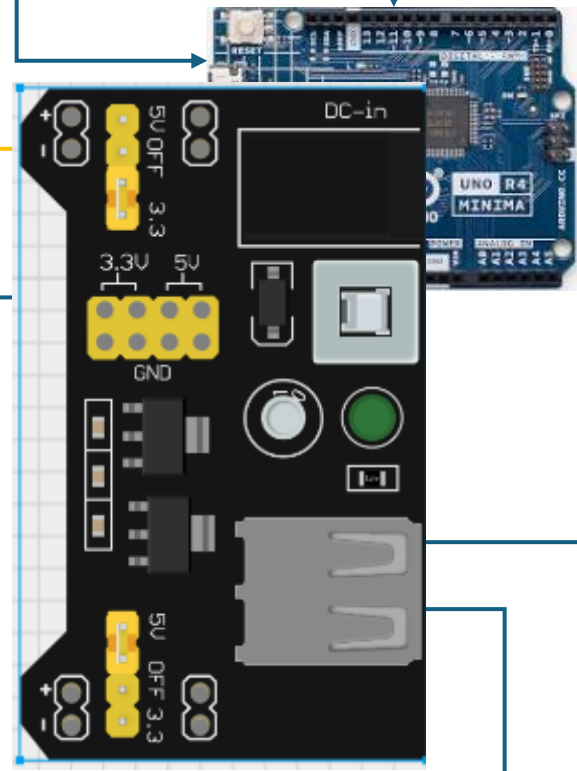
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Zeee 3S Lipo Battery 5200mAh 50C 11.1V RC Batteries with
XT60 Connector Soft Case for RC Airplane Helicopter Plane
Quadcopter RC Car Truck Boat 12 awg

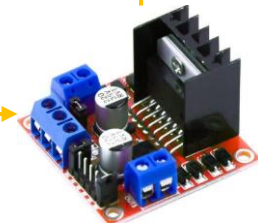


Fuente Alimentación Mb102 Para Arduino 5v Y 3.3v Protoboard
US\$ 5
Envío gratis

LM2596 Step-Down Module



MPU 6050



L298N Motor Driver



connect a battery 12V to power a servo motor 7.4v and a 12V DC Motor. Using a LM 2596 and L298n

<https://app.cirkitdesigner.com/project/c9a7e36d-809a-457e-9417-e9195a3ce91a>

Cirkit

To connect a 12V battery to power a 7.4V servo motor and a 12V DC motor using the LM2596 and L298N, follow these steps:

1.Powering the 12V DC Motor:

- Connect the positive terminal of the 12V battery to the 12V pin of the L298N motor driver.
- Connect the negative terminal of the battery to the GND pin of the L298N.

2.Powering the 7.4V Servo Motor:

- Use the LM2596 step-down module to convert the 12V from the battery to 7.4V.
- Connect the IN+ pin of the LM2596 to the positive terminal of the 12V battery.
- Connect the IN- pin of the LM2596 to the negative terminal of the battery.
- Set the output voltage of the LM2596 to 7.4V (adjust the potentiometer on the module).
- Connect the OUT+ pin of the LM2596 to the positive terminal of the servo motor.
- Connect the OUT- pin of the LM2596 to the negative terminal of the servo motor.

3.Wiring the L298N for the DC Motor:

- Connect the DC motor to the OUT1 and OUT2 pins of the L298N.
- Control the motor using the appropriate input pins (IN1, IN2, etc.) connected to your microcontroller.

Components:

12V Battery

LM2596 Step-Down Module

L298N Motor Driver

12V DC Motor

7.4V Servo Motor

Microcontroller (e.g., Arduino)

Connections:

12V Battery:

Positive terminal (+) to IN+ of LM2596.

Positive terminal (+) to 12V of L298N.

Negative terminal (-) to IN- of LM2596.

Negative terminal (-) to GND of L298N and microcontroller.

LM2596 Step-Down Module:

Connect OUT+ to the positive terminal of the 7.4V servo motor.

Connect OUT- to the negative terminal of the 7.4V servo motor.

Adjust the output voltage of the LM2596 to 7.4V using the onboard potentiometer.

L298N Motor Driver:

Connect the 12V DC motor to OUT1 and OUT2 of the L298N.

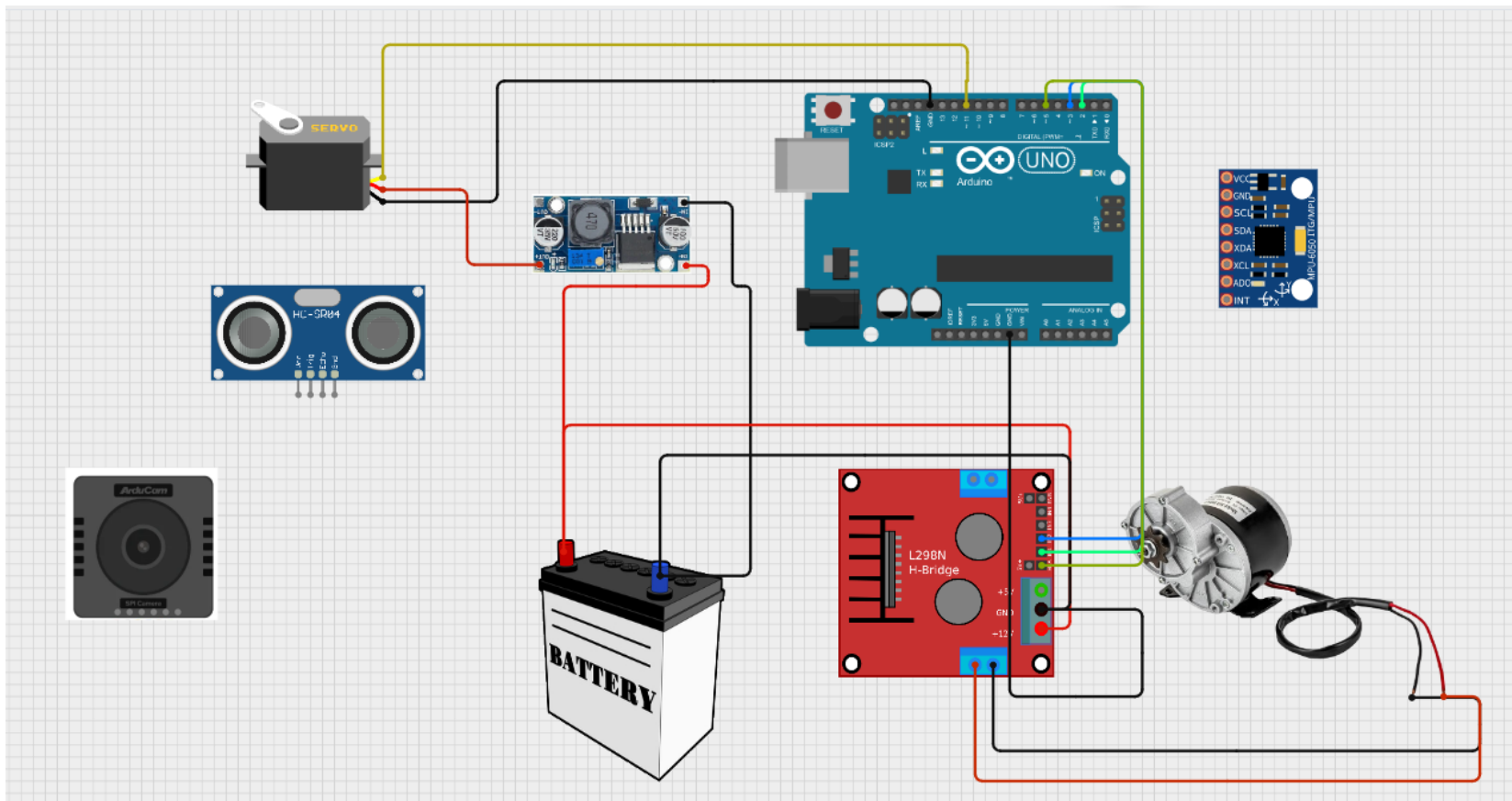
Connect ENA to a PWM-capable pin on the microcontroller for speed control.

Connect IN1 and IN2 to digital pins on the microcontroller for direction control.

Microcontroller (e.g., Arduino):

Connect GND to the common ground.

Connect control pins (e.g., D3, D4, D5, D6) to the corresponding IN and ENA pins on the L298N



Connect 12v Motor to Puente H y Arduino
https://www.youtube.com/watch?v=Nlx_KycgOJM

