

Item no.: 345811

5331 - Motor Driver Board for Raspberry Pi Pico

from **24,26 EUR**

Item no.: 345811
shipping weight: 0.10 kg
Manufacturer: Kitronik



Product Description

Kitronik Motor Driver Board for Raspberry Pi Pico

This compact motor driver board for the Raspberry Pi Pico allows 2 motors (or 1 stepper motor) to be driven simultaneously with forward, reverse & stop control, making it ideal for designs such as buggies. It is based on the DRV8833 motor driver IC, which has built in short circuit, over current and thermal protection.

It also features 4 external connections to GPIO pins and a 3 V and GND supply from the Pico. This allows additional I/O to be connected to the motor driver board and the state of these can then be read or controlled by the Pico.

Power is provided via either a terminal block or servo-style connector, the supply is then controlled by an on/off power switch to the board. There is a green LED to indicate when the board is turned on. The power connections are reverse polarity protected.

The board produces a regulated 3 V supply that is fed into the 40-way connector to power the Pico, removing the need to power the Pico directly.

- Operating voltage (Vcc): 3 to 10 V
- Number of motor channels: 2 (2x motors with forward + reverse control, controlled by GP2 & GP3, GP6 & GP7 or 1x stepper motor with coils connected to GP2 & GP3, GP6 & GP7)
- Typical motor output voltage (Vm) @ 1.5 A output per channel: $V_m = V_{cc}$
- Max. current per motor channel: 1.5 A
- GPO pins: GP0, GP1 (default UART); GP27, GP28 (ADC0, ADC1)
- Digital output drive current: 4 mA

Specifications

Scan this QR code to
view the product
All details, up-to-date
prices and availability

