L298 Dual H-Bridge Motor Driver

Technical Data Sheet

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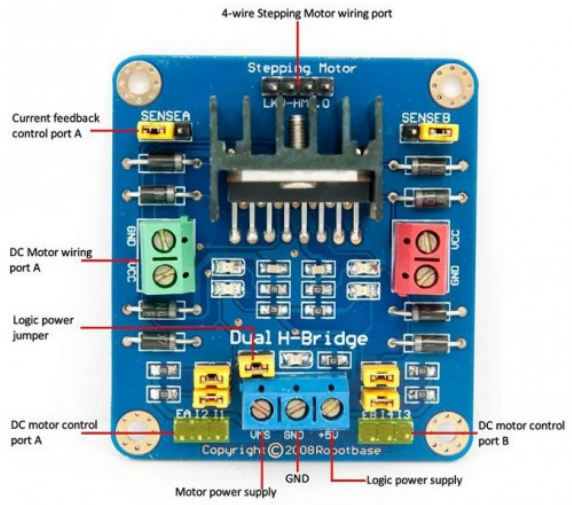

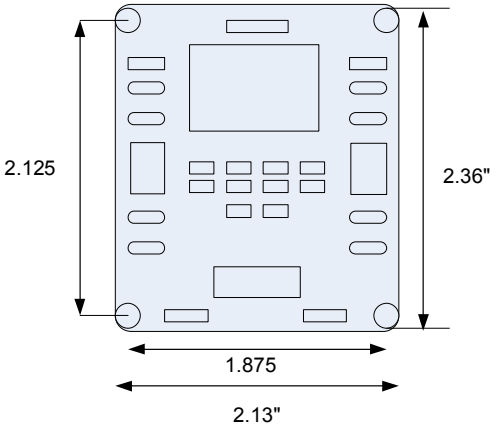

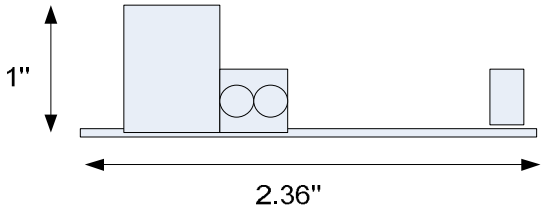

Motor Driver Features:

Compact and Light Weight
High Capacity Heat Sink
Motor Direction LEDs (indicates direction of motor)
Current Feedback for both Ports
Four Pull Up Resistor Switch
Four Standard Mounting Holes

Motor Driver Specifications:

Driver Voltage:	5VDC-46VDC
Driver Peak Current:	2A
Logic Voltage:	5VDC
Logic Power Output:	5VDC at 1A max
Logic Current:	0-36 mA
Logic Levels:	Low: -.3V to 1.5V ; High: 2.3V to VCC
Interface:	TTL
Interface connectors:	Terminal blocks, .100 headers
Dimensions:	2.36” x 2.13” x 1” (not including connector)
Weight:	48 grams
Mounting:	4 corner holes, 0.125” diameter

Performance Specifications:

Max Drive Power:	25W
Commutation Frequency:	40KHz
Driver Peak Current:	2A
Working Temperature:	-25 ℃ to +130 ℃

Description: The L298 Dual H-Bridge Motor Driver is a high voltage, high current dual full-bridge driver designed to accept standard TTL logic levels and drive inductive loads such as relays, solenoids, DC and stepping motors.

The Dual H-bridge motordriver has the ability to drive two motors at the same time. Both DC motor inputs have three pins. DC motor input A has pins EA, I2, and I1, while DC motor input B has pins EB, I4, and I3. I1, I2, I3, and I4 are used to control the direction the motor will spin, while EA and EB connect to the PWM port of the control board in order to control the speed of the rotating motors.

EA/EB	I1/I3	I2/I4	Motor A/B direction
0	0	1	Clockwise rotation
0	1	0	Counterclockwise rotation

Refer to documents:

- Manufacturer Data Sheet
- QuickStart Guide

