

Grove - I2C Motor Driver

SKU 105020001

Its heart is a dual channel H-bridge driver chip that can handle current up to 2A per channel, controlled by an Atmel ATmega8L which handles the I2C communication with for example an Arduino. Both motors can be driven simultaneously while set to a different speed and direction. It can power two brushed DC motors or one 4-wire two-phase stepper motor. It requires a 6V to 15V power supply to power the motor and has an onboard 5V voltage regulator which can power the I2C bus (selectable by jumper). All driver lines are diode protected from back EMF.

The easy software interface is not the only easy-to-use feature because the I2C motor driver is designed to get you up and running in notime. It features a LED for power and four LED's to indicate if and to which direction each motor is running. Screw terminals facilitate motor and power connections, and the GROVE system plug and I2C interface enables you to daisy-chain the driver with many other devices.

DOCUMENTS

- For all Grove users (especially beginners), we provide you guidance PDF documents. Please download and read through Preface - Getting Started and Introduction to Grove before your using of the product.

Technical details

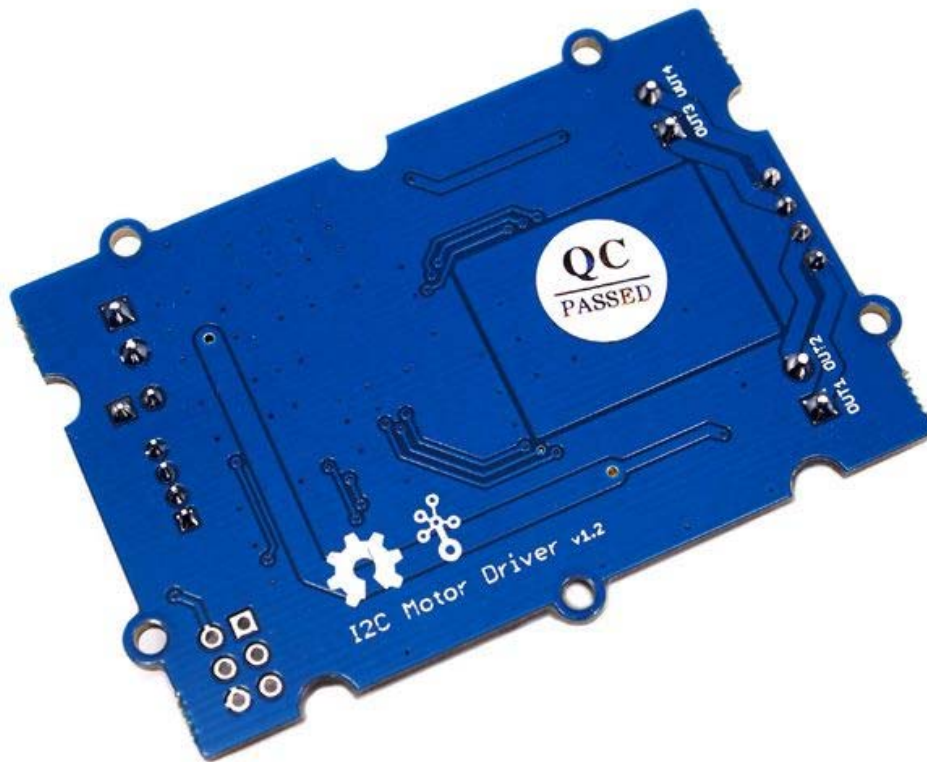
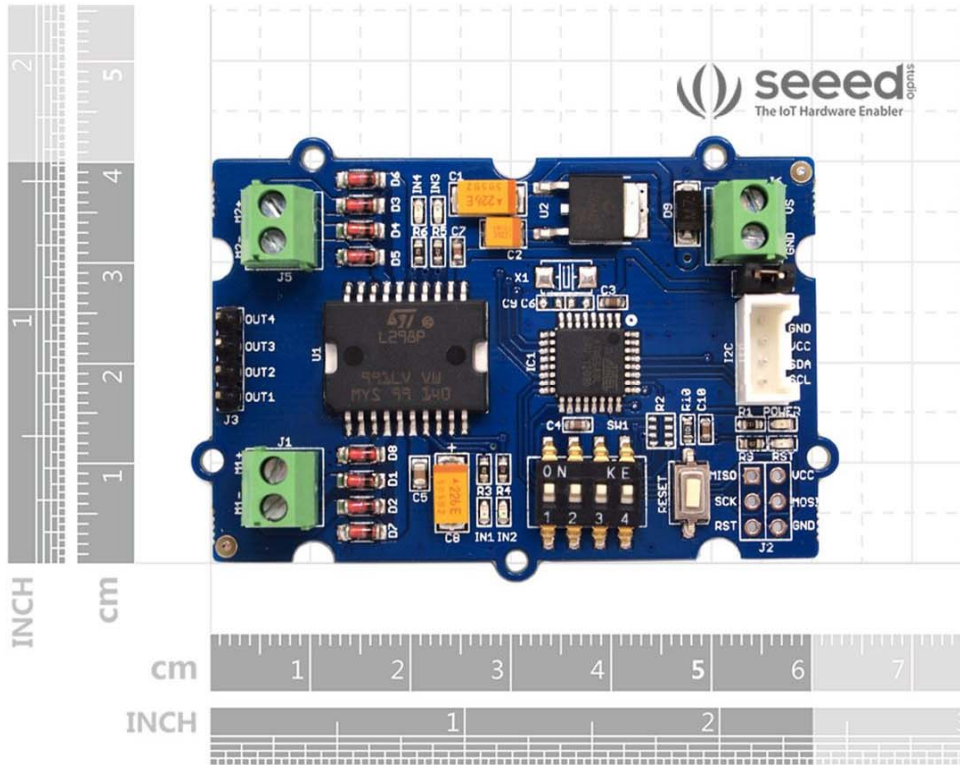
Dimensions	135mm x85mm x13mm
Weight	G.W 22g
Battery	Exclude
Board Dimension	60mm x 40mm x 10mm

Part List

Grove - I2C Color Sensor	1
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ECCN/HTS

ECCN	EAR99
HSCODE	8538900000
ROHS	1



<https://www.seeedstudio.com/Grove-I2C-Motor-Driver-p-907.html/3-4-19>