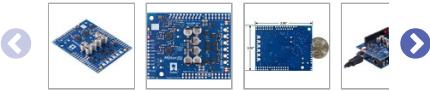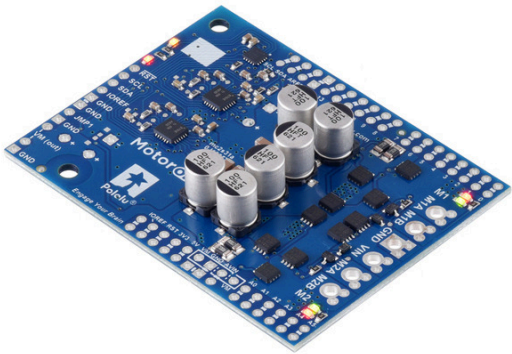# Motoron M2S24v14 Dual High-Power Motor Controller Shield for Arduino (No Connectors)

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The Motoron M2S24v14 Dual High-Power Motor Controller Shield for Arduino makes it easy to control two high-power DC motors from an Arduino or Arduino-compatible board through an I²C interface. The M2S24v14 supports motor supply voltages from **6.5 V to 40 V** and can deliver continuous output currents up to **14 A** per motor. This version is just the **motor controller by itself**, without any header pins or terminal blocks included.

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Description   Specs (14)   **Pictures (9)**   **Resources (5)**   FAQs (0)   On the blog (0)   **Distributors (7)**

Dimensions

Size:	2.56″ × 2.02″
Weight:	16 g

General specifications

Channels:	2
Model:	Motoron M2S24v14
Control interface:	I²C
Minimum operating voltage:	6.5 V
Maximum operating voltage:	40 V[1]
Continuous output current per channel:	14 A[2]
Minimum logic voltage:	3.0 V
Maximum logic voltage:	5.5 V
Reverse voltage protection?:	Y
Connectors soldered?:	N

Identifying markings

PCB dev codes:	mc2s31a
Other PCB markings:	0J13657

Notes:

1 Absolute maximum; higher voltages can permanently destroy the motor drivers. Recommended maximum is approximately 34 V, which leaves a safety margin for ripple voltage on the supply line.

2 Typical results at room temperature with both channels running at 90% duty cycle.