

OMD34b

7 Amp MicroStep Motor Driver

The OMD34b is an advanced microstep motor driver with selectable microstep resolution to 1/256 and driving phase currents to 7 Amp in a small compact size. Its small design is compatible to mount on a NEMA 23 stepper motor, and includes a hole in the center so the shaft of a linear actuator motor can pass through when mounted on the motor. Motor phase current is set via dip-switch providing a very predictable current control and easy set up, particularly for a production environment. The connectors are screw terminal plugs for easy and secure wiring.

FEATURES

- Integrated design
- Velocity = 0 to 1M steps per second
- Step resolutions include: full, 1/2, 1/4, 1/8, 1/16, 1/64, 1/128, 1/256.
- Single supply voltage +18V to +80V
- Up to 7 Amp phase current for high torque motors
- Center pass-through hole for linear actuator stepper motors
- No heat-sink required for phase currents under 4.5 Amps
- Motor current set with dip-switch for predictable current
- Matches the NEMA 23 dimension for direct motor mounting
- Use existing motors or select the optimum motor for the application for cost control and best performance
- Screw-terminal connector plugs for convenient wiring
- LED indicator for status
- Automatic current decay mode detection
- Optional travel limit input for additional protection
- Exceptional value

"The Company in Motion"™

OMS Motion, a Pro-Dex Company

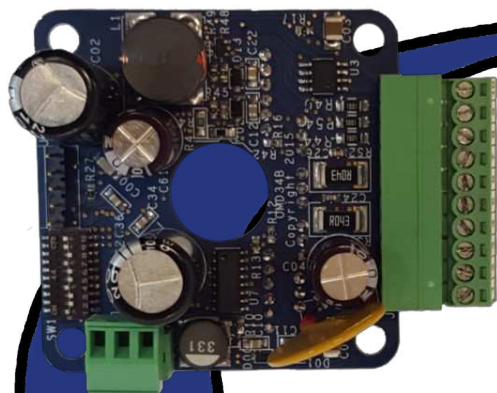
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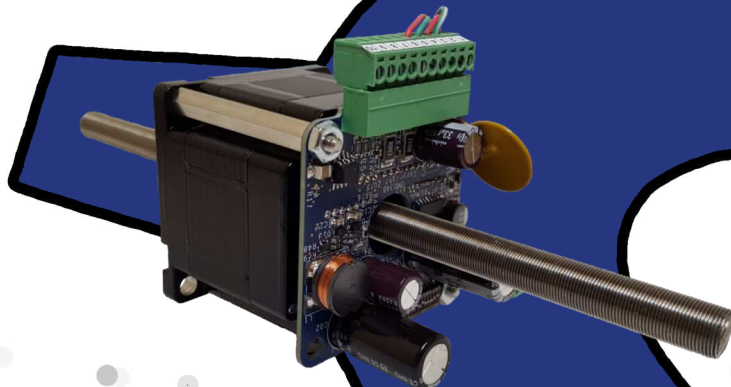
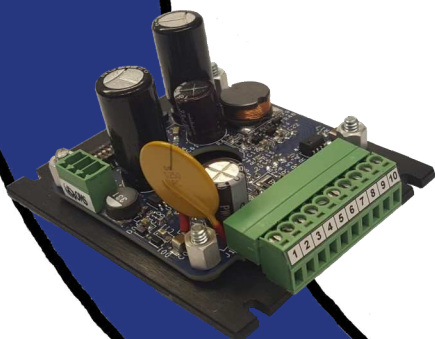
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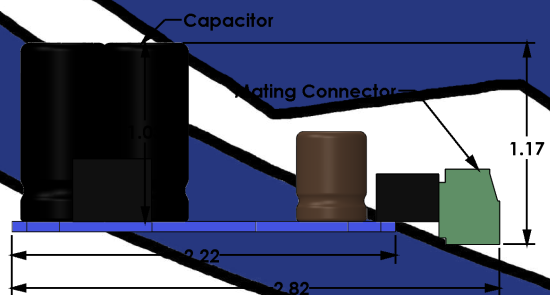
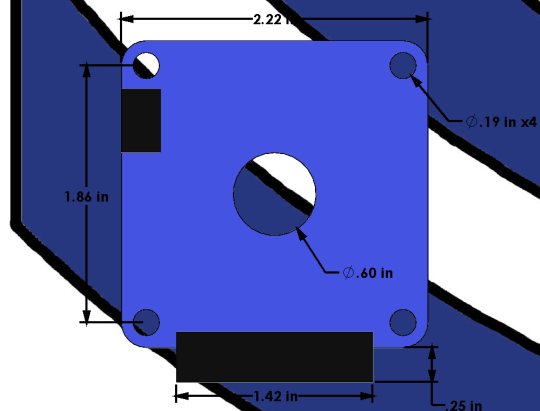
Connector Pin-out



- Pin 10 = +Vopto (+5 - +20VDC)
- Pin 9 = Enable
- Pin 8 = Direction
- Pin 7 = Step
- Pin 6 = Phase B2
- Pin 5 = Phase B1
- Pin 4 = Phase A2
- Pin 3 = Phase A1
- Pin 2 = +Vsupply (+18 - +80VDC)
- Pin 1 = Ground



Dimensions



ORDERING INFORMATION

Model	Description
OMD34b	MicroStep Driver, Size 23, 7A

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