



MOTOR-1B

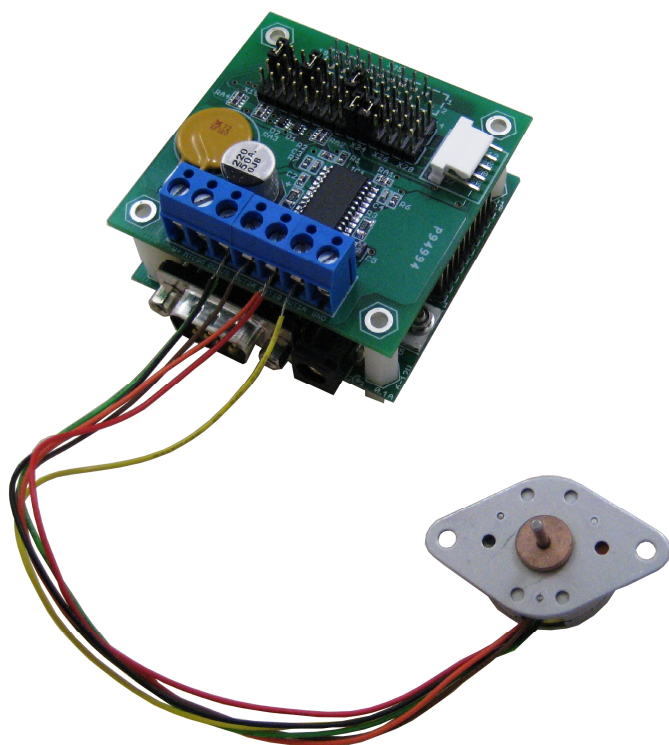
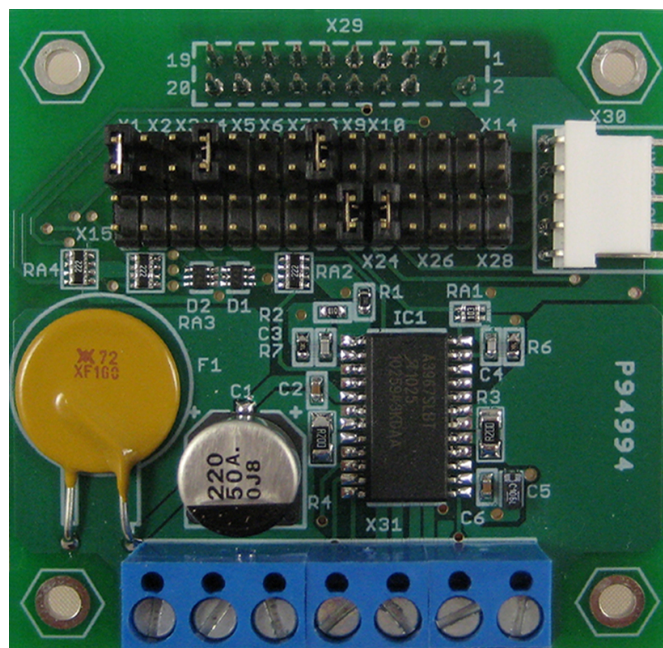
Bipolar and Unipolar Stepper Motor Controller

MOTOR1-B is a universal stepper motor controller board for BiPOM MINI-MAX series microcontroller boards and other microcontroller systems.

MOTOR-1B supports unipolar and bipolar stepper motors up to 750 mA of coil current at up to 30 Volts. Multiple MOTOR-1B boards can be stacked for controlling up to 3 stepper motors at the same time. Micro stepping is also supported.

MOTOR-1B board is fully assembled (no soldering required) and ready to use out of the box. C, BASIC and Flowcode example projects for MOTOR1-B can be downloaded from BiPOM web site. MOTOR-1B is the ideal component for building sophisticated robotics, CNC machines, laser engravers, 3D printers, plotters and many other industrial, educational and hobby applications.

MOTOR-1B is fully backed by warranty, technical support and application assistance from BiPOM Electronics.



- Bipolar and unipolar motor support
- ± 750 mA, 30 Volt Motor Output Rating
- 3.3 Volt to 5.5 Volt Logic Supply Voltage Range
- Mixed, Fast, and Slow Current-Decay Modes
- Two full bridge controllers on one board
- Micro stepping support
- Simple control with Direction and Step signals
- Sleep, Enable and Reset inputs
- Logic signals available on a 5-pin header
- Compatible with BiPOM's MINI-MAX Microcontroller boards, third-party boards and CMOS/TTL logic
- Designed to work with 68XX, 8051, ARM, AVR, MSP430, PIC, BASIC Stamp and many other microcontrollers
- Program examples for BASCOM, Micro C, SDCC, Flowcode
- Stackable (up to 3 boards)
- Small form factor: 2.35" by 2.40"
- -20° to 85° Celsius operation

Stepper motor control made easy with MOTOR1-B board connected to MINI-MAX/51-C2 Microcontroller system