

Stepper & Servo Motor Controllers

4 LEVELS OF SAVINGS			
NAME BRANDS	HOUSE BRANDS	FACTORY OVERRUN	DOLLAR SALE

Multi-Stepper Motor Control Board

- Current-mode coil driver up to 2A/45V
- 11 analog channels, A/D converter, 12-bit resolution
- 24-bit position register; can be read while motor is moving
- High-speed serial communication interface 9.6kbps-230.4kbps
- Linear acceleration/deceleration capability up to 8500 step/sec.
- Full step (monophasic and biphasic), half step and external driver modes
- Simultaneous/independent control of up to 4 stepper motors in a single board (16 stepper motors by daisy chaining 4 boards)
- 26 digital I/O and two SPI interfaces for control of external devices



Shown w/ motors - not included



Part No.	Mfr. Part No.	1	5
168729	ST400NT-R10A	\$379.95	\$359.95

Sport232-ST One Axis Stepper Motor Controller & DAC Board

- Shaft encoder capabilities for close loop applications
- Home, limit CW/CCW, abort, pulse and direction output signals
- 4-channels with signal conditioning 0 to 2.5V, 0 to 10V
- Linear acceleration/deceleration, profile movements through 128 bytes internal FIFO
- Full, half steps (monophasic, biphasic)
- 8 digital I/O and 8 analog inputs w/ 12-bit resolution
- Free 32-bit DLL for Windows 9x/NT/2000/XP, Linux and Labview



Part No.	Mfr. Part No.	1	5
355047	Sport232-ST	\$149.95	\$134.95

*Stepper Motors & Servo Controllers — Web Code VBA

High Power Motor Driver

- N-channel MOSFET H-bridge enables bidirectional control one of DC brushed motor
- 5.5-30V operating voltage range
- 15 amps continuous output current per channel w/o heat sink
- Able to provide 21A continuous current with a heatsink
- Only 2 I/O lines allow for both sign magnitude and locked-antiphase operation
- 40kHz max. PWM frequency
- 5.5V max. logic voltage
- Size: 1.3"W x 0.8"L
- Soldering required
- Weight 2.8g (0.1oz)



Part No.	Mfr. Part No.	1	5
2128235	755A	\$39.95	\$37.95

KAE Industrial Motion Controllers for Brush, Brushless & Stepper Motors

- 323942:** • For brush-type DC motors with 2 or 3 channel incremental encoders
 - P.I.D. Servo control, trapezoidal position profiling, velocity mode, 32-bit resolution
 - Integrated 12 to 48VDC supply power amplifier @ 3A continuous, 6A peak
 - Limit switch inputs, general purpose analog input, PWM, DIR output for use with external amps
- 323951:** • For 3-phase brushless motors with hall effect sensors or conventional DC brush-type motors
 - Amplifier capable of driving 6A continuously @ up to 48VDC
 - High current amplifier: 7A continuous, 10A peak, 12 to 48VDC supply
 - Support for linear & circular interpolation using the PIC-SERVO CMC chipset

323942



184997



323951



- 184997:** • Trapezoidal position profiling, velocity mode, up to 50,000 steps per second
- Full/half step bipolar chopper drive, 2A per phase, 7.5 to 46VDC supply
- Integrated indexer and driver for 2 or 4 phase stepper motors

Part No.	Mfr. Part No.	Description	Size (L x W x H)	1	5
323942	KAE-TOV10-BDV1	PIC-SERVO motor control board	3.1" x 2.1" x 0.9"	\$159.95	\$151.95
323951	KAE-TOV10-BD3PHV1	PIC-SERVO 3-phase motor control board for brush or brushless motors	3.1" x 3.1" x 0.9"	\$239.95	\$227.95
184997	PIC-STEP	PIC-STEP motor control board	3.1" x 2.1" x 0.9"	\$159.95	\$151.95

Playstation® 2 Servo Motor Controller Interface

The controller features an integrated power supply that allows you to use available power supplies, batteries, wall transformers, or anything from 6V to 30V, either AC or DC. The IPS will regulate the power to run your servo motors efficiently. Power is supplied through on-board 2.5mm jack. A 2.5mm plug is provided for connecting your own power supply.

- 5 amp servo motor controller
- Allows manual control of up to 6 servo motors
- Servo motor speed proportional to tilt of joystick
- Rumble feature activates when limit of rotation is reached (clockwise or counter-clockwise)
- Uses Playstation® PS2 wired or wireless controller (not included)
- Servo motors not included



Part No.	Mfr. Part No.	Description	1	5
2124875	PS-SMC-06-05A	Playstation® 2 servo motor controller interface	\$119.95	\$114.95

MOTION

Motor Solutions in Motion

*Web Code: VBA

- Easy to set up; easy to use
- Daisy chainable on a 4 wire bus
- USB/RS232/RS485 Inetface available

4-Axis Stepper Controller & Driver

- Full-featured 4-axis 32-bit position controller with power drivers
- Four independent 1-Amp chopper (PWM) drives
- Operates from 9-30V
- RS-485 and USB communication via virtual comm port
- On-board EEPROM for user program storage
- Daisy-chain up to 16 units
- Stand alone operation with no connection to a PC
- 12 ADC inputs, half/branch on ADC value
- Milliohm FETs; runs cool
- Dimensions: 2.25"L x 2.25"W x 0.7"H



USB Stepper Controller & Driver

- Full-featured 1-axis 32-bit position controller with power drive
- 0.5A power drive
- Operates from 9-30V or USB port
- USB communication via virtual comm port
- On-board EEPROM for user program storage
- Daisy-chain up to 16 units
- Stand alone operation with no connection to a PC
- 4 inputs, 2 outputs, half/branch on input status
- Milliohm FETs; runs cool
- Dimensions: 2.0"L x 1.0"W x 0.5"D



Inch-Size Stepper Controller & Driver

- Go Left, Go Right upon switch closure
- 1 Amp chopper (PWM) drive
- Operates from 9-30V
- Potentiometer-settable speed and current
- No programming required
- Acceleration programmable via resistor change.
- 2 direction and 2 limit switch inputs
- Milliohm FETs; runs cool
- Dimensions: 1.0"L x 1.0"W x 0.5"D



Part No.	Product No.	1	5
2123291	EZ4AXIS	\$389.95	\$369.95
Part No.	Product No.	1	5
2123303	STEPPER-STICK-CD	\$164.95	\$156.95
Part No.	Product No.	1	5
2123311	Intelli-Inch-LR	\$74.95	\$69.95

RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 183.

