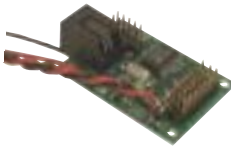


Scott Edwards Electronics, Inc.

Serial Servo Controller Module

- Controls 8 pulse-proportional servos
- Receives serially at 2400 or 9600 baud
- Module is addressable, allowing two units to share the same line to control a total of 16 servos
- Connections to serial input can be established using a modular jack (P/N 115553CM, pg 111) or modular adapter from DB9 to RJ11 (P/N 114737CM, pg 110)
- Size (PCB): 1.9"L x 1.4"W • One-year warranty



Part No.	Description	1	10
151001CM	Mini SSC II	\$43.95	\$41.79

32-Bit Stepper Motor Controller

One Axis

- Controls one bipolar stepper motor with 32-bit absolute position
- Interface to PC through RS232 or RS485 @ 2400-19,200bps
- Full, half or wave step modes
- Multiple boards may share same serial line (RS485 only)
- 2 channel general purpose 8-bit A/D input port for reading 0 to 5V
- 4-bit digital input for home limits
- Addressable up to 255 boards
- Size: 4.4"L x 2.3"H
- Weight: 0.7 lbs.



Includes: Manual and sample code software

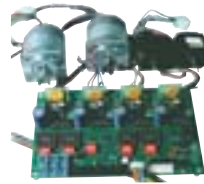
Part No.	Description	1	10
153621CM	32-bit controller	\$158.95	\$150.99

See our extensive motor selection on pages 164-165 & 167-170.



Multi-Stepper Motor Control Board

- Simultaneous/independent control of up to 16 stepper motors through a single serial port
- High-speed serial communication interface 9.6kbps-230.4kbps
- 11 analog channels, A/D converter, 12-bit resolution
- 24-bit position register; can be read while motor is moving
- Linear acceleration/deceleration capability up to 8500 step/sec. • Size: 7.7"L x 5.0"W x 1.0"H
- Full step (monophasic and biphasic), half step and external driver modes
- Current-mode coil driver up to 2A/45V
- Automatic power down prevents motor overheating
- External driver control outputs: step, direction and power control • Weight: 0.7 lbs.
- 26 digital I/O and two SPI interfaces for control of external devices
- 32 bits DDL interface for Windows® 9X, NT & Linux
- Internal FIFO RAM (128 bytes) allows customized motion profiles



Shown w/ motors - not included

Part No.	Description	1	10
168727CM	Stepper motor control brd	\$399.95	\$379.95

Electric Motors & Control Techniques

TAB Publishing Explains how different types of motors operate, and how electronic control devices can be used to improve efficiency in a wide range of applications. (294 pages, 1994)



- Size: 7.3" x 9.2" • Weight: 1.1 lbs.

Part No.	Description	Price
137162CM	Electric Motors & Control	\$24.95

Sport232-ST One Axis Stepper Motor Controller and 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, bi-phasic)
- 8 Digital I/O and 8 analog inputs with 12-bit resolution
- Free 32-bit DLL for Windows 9x/NT/2000/XP, Linux and Labview



Part No.	Description	1	10
355047CM	Sport232-ST	\$147.25	\$137.75



RMV856-ET Stepped Motor Controller

- CMOS, +5V device combines high performance with low cost
- Capable of generating step rates from 16 steps/sec to 8500 steps/sec using pulse and direction signals
- Internal step register counts up to 16 million steps per motion
- 8 Digital I/Os can be addressed individually by one command
- External programmable events: trigger waits, loops, program branches and stepping motions
- Supports programmable start rate, accel/decel, slew rate and absolute or relative control position
- Programmable stall detection feature controls positioning error • Internal or external direction control and separate limit switch for interfacing analog to digital or digital to analog converter



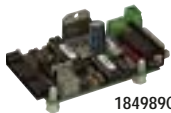
SALE

Part No.	Package	1	10	50	
355266CM	PLCC-44	\$48.45	\$40.25	\$36.55	\$33.22

KAE

Industrial Motion Controllers for Brush, Brushless and Stepper Motors

All JR Kerr Automation Engineering controllers include integrated power amplifiers. Up to 32 controllers can be daisy-chained from a single full-duplex RS485 port. For RS-232 to RS-485 adapter see P/N 184971CM (below).



184989CM



323942CM



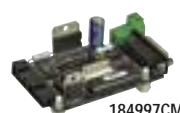
185009CM



323951CM



184971CM



184997CM

184989CM/323942CM: PIC-SERVO motor control board

- 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
- P/N 323942CM RS485 serial interface allows up to 32 PIC-SERVO controllers to be controlled from a single serial port

185009CM/323951CM: PIC-SERVO 3PH motor control board for brush or brushless motors

- For 3-phase brushless motors with hall effect sensors or conventional DC brush-type motors
- High current amplifier: 7A continuous, 10A peak, 12 to 48VDC supply
- Same features as 184989CM above but with support for linear & circular interpolation using the PIC-SERVO CMC chipset
- P/N 323951CM Amplifier capable of driving 6A continuously @ up to 48VDC

184971CM: Z232-485 serial port adapter

- Lets you operate the controllers above from any standard RS-232 port

184997CM: PIC-STEP motor control board

- Integrated indexer and driver for 2 or 4 phase stepper motors
- Full/half step bipolar chopper drive, 2A per phase, 7.5 to 46VDC supply
- Trapezoidal position profiling, velocity mode, up to 50,000 steps per second
- Limit switch inputs, general purpose outputs, step/dir outputs for use with external drivers

Part No.	Description	Size (L" x W" x H")	1	10
184989CM	PIC-SERVO	3.1 x 2.1 x 0.9	\$184.69	\$166.25
323942CM	KAE-TOVIO	3.1 x 2.1 x 0.9	159.95	143.95
185009CM	KAE-TOV5-BD3-PHV1	3.1 x 3.1 x 1.0	271.79	244.69
323951CM	KAE-TOVIO	3.1 x 3.1 x 0.9	227.85	205.95
184971CM	Z232-485	3.1 x 2.1 x 0.5	59.95	53.95
184997CM	PIC-STEP	3.1 x 2.1 x 0.9	159.95	143.95

Free Technical Support

Our knowledgeable Tech Support department is ready to answer your questions. Just call us! 1-800-831-4242