



## PARALLAX $\pi$ Propeller Microprocessor Chip

Designed for high-speed embedded processing while maintaining low-power and low-current consumption.

Complete specifications see [www.Jameco.com](http://www.Jameco.com)

Part No.	Mfr. Part No.	Package	1	10
2007134	P8X32A-D40	DIP-40	\$12.95	\$11.95

## PARALLAX $\pi$ BASIC Stamp Modules

\* Web Code: BSM

• 183071: BS2 OEM Kit Z 2109595

Complete specifications see [www.Jameco.com](http://www.Jameco.com)

Part No.	Mfr. Part No.	Package	Speed	No. of I/O Pins	1	5
2109595	28300	PCB	8MHz	4	\$87.95	\$78.95
127693	BS1-IC	14-pin	4MHz	8	28.95	26.95
183071	27291	20-pin SIP	—	—	30.95	29.95
130892	BS2-IC	24-pin	20MHz	16 + 2	48.95	43.95
184911	BS2P24-IC	24-pin	20MHz (turbo)	16 + 2	74.95	69.95
184920	BS2P-40-IC	40-pin	20MHz (turbo)	16 + 2	88.95	79.95
2109350	BS2PX24	24-pin	32MHz (turbo)	16 + 2	78.95	69.95
159775	BS2SX-IC	24-pin	50MHz (turbo)	16 + 2	58.95	52.95

See page 176 for Parallax Boards & Kits

## KAE Servo Controllers

\* Web Code: YBC

Controller operates from standard 8-bit serial interface (RS232 or RS485). Using RS485, any mix of up to 32 controllers may be operated from a single serial port. Complete documentation.

146472: PIC-SERVO Motion Control Chipset for DC Motors

- For DC motors with digital encoders
- 32-bit position, velocity and acceleration resolution
- PWM and direction outputs connect to servo amplifier
- Two chipset (PIC-SERVO V.4, 28-pin and PIC-ENC V.1, 18-pin)

323934: PIC-SERVO SC Servo Motion Control I.C.

- For DC motors (brush or brushless w/ incremental encoder feedback)
- Serial interface connects to RS232/485/422 communication port
- Position control, velocity control, trapezoidal profiling, plus step and direction inputs

2134467: Motion Basic Controller Chip

- Microcontroller allowing the creation of simple stand-alone motion control programs

Controls up to 8 PIC control board modules

2134441: PIC-STEP Motion Controller Chip

- High speed indexer for stepper motor control systems
- Speeds up to 50,000 steps per second are suitable for micro stepping

Part No.	Mfr. Part No.	Package	1	10	50
146472	KAE-T0V4-DPS	DIP-28/18, 0.3"	\$35.95	\$34.49	\$32.95
323934	KAE-T0V10-DP	DIP-28, 0.3"	29.95	28.49	26.95
2134467	KAE-MBV1-DP	DIP-28, 0.3"	28.95	26.95	24.95
2134441	KAE-T3V1-SO	SOIC-28, 0.3"	25.95	23.95	21.95

## KAE Smart Serial Adapter

Serial Converter/Stand Alone Host Controller

- Supports USB or RS232 serial interface
- Up to 32 NMC PIC-SERVO, PIC-STEP, PIC-I/O modules can be controlled from a single smart serial adapter
- RS232 operation supports baud rates from 19,200 to 115,200
- Supports Windows®, LINUX, Mac® OS, and other operating systems
- May be used as a stand alone host with either the simple sequencer chip or a PIC18F2620 MCU
- On board connector for MICROCHIP MPLAB ICD2

Part No.	Mfr. Part No.	Description	1	5
1586120	KAE-SSA485-BDV2	Smart serial adapter	\$99.95	\$94.95

• MAX = Maxim Semi | MCH = Microchip | ST = ST Micro | † Manufacturer Varies

## KAE PIC-I/O General Purpose I/O Controller

- Allows the addition of general purpose I/O capabilities to your motion control system
- Controller: PIC digital and analog I/O
- 12 digital I/O pins programmable as inputs or outputs
- Three 8-bit analog inputs
- Two PWM output channels with high current (5 amp) drivers

NEW MARKED IN PINK



Part No.	Mfr. Part No.	Description	1	5
2134475	KAE-T2V1-BDV	General purpose I/O controller	\$115.95	\$109.95

## WIZnet Ethernet Controller

\* Web Code: LAE

Fully Hardwired Network Protocol Embedded

- Designed for high speed embedded systems
- High speed data communication over 50Mbps
- MAC & PHY embedded
- Internal 128K bytes memory for data communication

NEW MARKED IN PINK



Part No.	Mfr. Part No.	Pkg.	Description	1	10	50
2132488	W5300	LQFP-100	Ethernet controller	\$5.35	\$5.15	\$4.95

## FAIRCHILD SEMICONDUCTOR Tiny Logic® Series

Order in multiples of 10

Part No.	Mfr. Part No.	Pkg.	Description	10	100
873830	NC7SU04M5X	SOT-23/5	Single unbuffered inverter	\$0.07	\$0.05
873725	NC7S08P5X	SC-70/5	Single 2-input AND gate	.09	.05
874138	NC7SZ125M5X	SOT-23/5	Buffer w/ 3-st. output	.09	.05

## Interface Series

\* Web Code: RBU

Part No.	Mfr.	Product No.	Pkg.	Description	1	10
832448	†	DS26LS32ACM/NOPB	SOIC-16	Quad differential line receiver	\$0.59	\$0.49
1291647	MCH	TC4420CPA	DIP-8	6A high speed MOSFET driver	1.39	1.15
313437	†	ICM7218AIJ	DIP-28	5V, 8 digit LCD driver	4.95	3.95
312160	MAX	MAX7219CNG	DIP-24	5V, 8 digit LCD driver	7.95	6.95
313322	†	ICM7228AIP	DIP-28	5V, 8 digit LCD driver	7.95	7.49
241875	†	FAN8082	DIP-8	18V, bi-directional DC motor driver	.99	.89
50884	†	SN75154N	DIP-16	5-12V, quad line receiver	.29	.19
277940	†	SN75179BP	DIP-8	5V, diff line driver/receiver	1.39	1.19
277974	†	SN75183N	DIP-14	5V, dual diff line driver	.99	.69
51027	†	SN75451AN	DIP-8	7V, dual peripheral AND driver	.79	.69
51131	†	SN75492P	DIP-14	5V, HEX digit driver	4.95	4.49

\* Ethernet Controllers Available Online — Enter Web Code LAE

\* Interface Controllers Available Online — Enter Web Code HAS

## PARALOX Digital Interface

\* Web Code: WBB

Part No.	Mfr. Part No.	Pkg.	Description	1	10	50
171951	PDN702	DIP-18	Serial LCD interface	\$7.19	\$6.75	\$6.25
171969	PDN1144	DIP-18	Keypad encoder	5.19	4.95	4.75
141532	PDN1200	DIP-18	Unipolar stepper motor controller	6.39	6.15	5.95
157526	PDN1204	DIP-18	Bipolar stepper motor controller	6.39	6.15	5.95
321736	PDN2008	DIP-18	Pushbutton debouncer w/ 8-independent chan	4.19	3.95	3.75
321761	PDN2208/P	DIP-18	8-pushbutton momentary to toggle	4.19	3.95	3.75

## Stepper Motor Drivers/Controllers

\* Web Code: GDP

Part No.	Mfr.	Product No.	Pkg.	Description	1	10	100
288067	ST	L297/1	DIP-20	Stepper motor controller, 5V	\$9.95	\$8.95	\$7.95
245403	ST	L298N	MW-15	Dual full-bridge driver, 46V	2.75	2.49	2.35
288091	ST	L6202	DIP-18	DMOS full-bridge driver, 48V	6.95	6.25	5.49
288104	ST	L6203	MW-11	DMOS full-bridge driver, 48V	7.49	6.95	6.25

\* Motion Control Available Online — Enter Web Code DEU

