

Motion Controllers, Drivers/Receivers, Comparators & Amplifiers

KAE Industrial Motion Controllers



Part No.	Description	Size (L" x W" x H")	1	5
323942	PIC-SERVO motor control board	3.1 x 2.1 x 0.9	\$159.95	\$154.95
323951	PIC-SERVO 3-phase motor control board	3.1 x 3.1 x 0.9	239.95	227.95
184997	PIC-STEP motor control board	3.1 x 2.1 x 0.9	159.95	151.95

KAE Smart Serial Adapter

Serial Converter/Stand Alone Host Controller

- 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



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

Encoders/Decoders

*Web Code: VAR

Part No.	*Mfr.	Product No.	Pkg.	Description	1	10	100
296702	MOT	MC145026P	DIP-16	Encoder, 4.5-18V	\$3.95	\$3.59	\$3.29
296711	MOT	MC145027P	DIP-16	Decoder, 4.5-18V	2.95	2.75	2.49
123730	HOL	HT12E	DIP-18	Encoder, 2.4-12V	1.75	1.49	1.25
123748	HOL	HT12D	DIP-18	Decoder, 2.4-12V	1.95	1.75	1.49

RS-232 Drivers/Receivers

*Web Code: EAV

Part No.	*Mfr.	Product No.	Pkg.	Description	1	10	100
142535	+	MAX202CPE	DIP-16	5V, 120kbps, w/ 0.1µF ext. caps	\$2.95	\$2.59	\$2.29
24811	+	MAX232CPE*	DIP-16	5V, 200kbps, multichannel	2.95	2.59	2.29
318959	MAX	MAX232CPE	DIP-16	5V, 200kbps, multichannel	2.95	2.59	2.29
698576	+	MAX232N	DIP-16	Dual EIA-232 driver/receiver, C-temp	.99	.85	.69
106163	+	MAX232CPP	DIP-20	5V, 120kbps, multichannel	5.49	5.25	4.75
23157	+	DS1488N*	DIP-14	15V, quad line driver	.55	.45	.25
23181	+	SN75189N*	DIP-14	5V, quad line receiver	.55	.45	.25
25099	+	MC145406P	DIP-16	5-12V, EIA-232-D/V.28 driver/rcvr	2.95	2.59	2.29

*10 pcs. included in Linear cabinet kit, pg 8

RS-422/423/485 Drivers/Receivers

*Web Code: NBT

Part No.	*Mfr.	Product No.	Pkg.	Description	1	10	100
299807	+	LTC485CN8	DIP-8	RS-485 LP transceiver, 5V	\$2.39	\$1.65	\$1.35
758364	+	SN75176AP	DIP-8	RS-422 differential bus transceiver	1.39	1.09	.95
50964	+	SN75176BN	DIP-8	RS-422 diff. line bus transceiver, 5V	.85	.69	.45

A/D & D/A Converters

*Web Code: QAG

Part No.	*Mfr.	Product No.	Pkg.	Description	1	10	100
277131	MAX	MAX110BCPE	DIP-16	A/D, 14-bit, 5V, 50sps, 2-ch	\$10.95	\$9.95	\$8.95
2207401	MCH	MCP4921-E/P	DIP-8	A/D, 12-bit, 2.7-5V, 1.5µs, 1-ch	3.49	3.15	2.85
10153	NSC	ADC0804LCN	DIP-20	A/D, 8-bit, 5V, 9.1Ksps, 1-ch	3.39	2.79	2.49
10225	NSC	ADC0820CCN	DIP-20	A/D, 8-bit, 5V, 1.5µs	2.95	2.59	2.29
116100	NSC	ADC0831CCN	DIP-8	A/D, 8-bit, 5V, 32µs	3.95	3.59	2.95
43756	+	7107CPL	DIP-40	A/D, 3 1/2-digit LCD/LED, ±5V	3.95	3.59	2.95
115158	ADI	AD558JN	DIP-16	D/A, 8-bit, 5-15V, 1-5-3µs, 1-ch	13.95	12.49	10.95
14947	NSC	DAC0808LCN	DIP-16	D/A, 8-bit, 4.5-18V, 150ns	1.69	1.49	1.19
14963	NSC	DAC0830LCN	DIP-20	D/A, 8-bit, 5-15V, 1µs	5.95	5.39	4.79

*Gear Head Motors — Enter Web Code KBB

*Interface Controllers — Enter Web Code HAS

*Motion Control — Enter Web Code DEU

Comparators

*Web Code: EBS

Part No.	*Mfr.	Product No.	Pkg.	Description	1	10	100
23528	+	LM311N*	DIP-8	Voltage comparator	\$.69	\$.55	\$.39
23851	+	LM339N**	DIP-14	Quad comparator	.39	.35	.17
826742	+	LM339N	DIP-14	Quad differential comparator	.49	.39	.19
120900	+	LM392N	DIP-8	Low power op amp/volt comp.	.99	.89	.69
24281	+	LM393N*	DIP-8	Dual comparator	.35	.29	.15
973531	FSC	LM393N	DIP-8	Dual differential comparator ±18V	.39	.35	.19

*10 pcs./**20 pcs. included in Linear cabinet kit, pg 8

*Power Management — Enter Web Code PMT

*DC-to-DC Converters — Enter Web Code DCS

Instrumentation Amplifiers

Part No.	*Mfr.	Product No.	Pkg.	Description	1	10	100
825934	+	INA126PA	DIP-8	µPower instrumentation amp.	\$2.95	\$2.59	\$2.25
1780985	+	AD623ANZ	DIP-8	Single supply, rail-to-rail	4.49	3.95	3.59

Audio Amps

*Web Code: MBP

Part No.	*Mfr.	Product No.	Pkg./Pins	Description	1	10	100
24037	NSC	LM380N	DIP-14	2-watt, power amplifier	\$1.45	\$1.25	\$.95
24088	NSC	LM383T	TO-220/5	7-watt, high power	5.95	5.49	4.95
24096	NSC	LM384N	DIP-14	5-watt audio amplifier	1.75	1.49	1.35
24125	NSC	LM386N-1*	DIP-8	Low voltage, 250mW/6V	.89	.79	.59
839826	NSC	LM386N-1/NOBP	DIP-8	Low voltage audio power amp.	.95	.75	.59
24133	NSC	LM386N-3*	DIP-8	Low voltage, 500mW/9V	.89	.79	.59
24942	ON	MC1350P	DIP-8	Video IF amp. (12V operation)	3.95	3.49	2.95
23270	NSC	LM1875T	TO-220/5	20-watt audio power amp.	2.75	2.49	2.19
835753	NSC	LM1875T/LB03	TO-220/5	20W audio pwr amp. (staggered leads)	2.95	2.49	2.19
23288	NSC	LM1877N-9	DIP-14	Dual power audio amplifier	2.95	2.49	2.25
107140	NSC	LM1881N	DIP-8	Video synchronous separator	2.49	2.25	1.95
32897	ST	TDA2002V	TO-220/5	8-watt audio high power amp.	4.95	4.49	3.95
1416796	ST	TDA2030AV	PWAT-5	18-watt audio amplifier	2.95	2.59	2.29
315344	ST	TDA2040V	PWAT-5	20-watt hi-fi power	2.95	2.75	2.49
275830	+	OPA2134PA	DIP-8	High performance audio op amp.	3.59	3.29	2.95
192516	NSC	LM3886T	TO-220/11	68-watt high-performance	5.95	4.75	4.49
316865	MOT	MC34119P	DIP-8	LP audio amp. (500mW, 16VDC)	1.95	1.75	1.49

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Op Amps

*Web Code: WAD

Part No.	*Mfr.	Product No.	Pkg.	Description	1	10	100
27852	+	OP07CP	DIP-8	Ultra-low offset voltage	\$.79	\$.69	\$.55
115318	+	OP27GP	DIP-8	Low noise precision (-40° to 80°C)	2.75	2.49	1.95
33187	+	TL071CP	DIP-8	Low noise JFET op amp.	.55	.45	.29
33195	+	TL072CP*	DIP-8	Low noise JFET dual op amp.	.69	.59	.39
33216	+	TL074CN*	DIP-14	Low noise JFET quad op amp.	.59	.49	.29
33232	+	TL081CP	DIP-8	JFET input, offset control	.49	.39	.25
33241	+	TL082CP*	DIP-8	JFET input dual op amplifier	.69	.59	.39
33267	+	TL084CN*	DIP-14	JFET input quad op amplifier	.55	.45	.29
143917	+	TLC272CP	DIP-8	LinCMOS precision dual op amp.	1.25	1.09	.79
212151	+	LM301AN*	DIP-8	Operational amplifier	.69	.59	.39
245673	+	LM308AH	TO-5/8	Precision op amplifier	4.95	4.49	3.95
23464	+	LM308N*	DIP-8	Precision op amplifier	6.95	6.25	5.49
23608	NSC	LM318N	DIP-8	Precision high speed	.89	.79	.59
23683	+	LM324N**	DIP-14	Low power quad op amplifier	.39	.29	.17
826671	+	LM324N	DIP-14	Quad op amplifier	.49	.39	.19
22904	+	LF347N	DIP-14	Quad JFET input (wide band)	.69	.59	.39
23915	+	LM348N	DIP-14	Quad 741 op amp (UPC4741C)	.55	.45	.25
22912	+	LF351N	DIP-8	BIFET op amplifier	1.29	1.15	.99
22939	+	LF353N*	DIP-8	Dual BIFET (comp w/ TL082CP)	.49	.39	.25
22971	NSC	LF356N*	DIP-8	JFET input (wide band)	.79	.69	.49
120862	+	LM358AN	DIP-8	Low power dual (improved 358N)	.39	.29	.17

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* ADI = Analog Devices | FSC = Fairchild | HOL = Holtek Semi | MAX = Maxim Semi | MCH = Microchip | MOT = Motorola | NSC = National | ON = ON Semi | ST = ST Micro | + Major Brands

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