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MICROCHIP PIC Microcontrollers

See Inside Back Cover for NEW KAE Microcontrollers

Part No.	Product No.	Pkg.	Memory	Speed (MHz)	ROM Words	RAM Bytes	I/O Pins	Price	
								1	25
145111	PIC16F84-04/P	DIP-18	Flash	4	1k	68	13	\$6.59	\$4.39
145120	PIC16F84-10/P	DIP-18	Flash	10	1k	68	13	7.65	6.49
223790	PIC12F629-I/P	DIP-8	Flash	20	1k	64	6	1.49	1.25
223781	PIC12F675-I/P	DIP-8	Flash	20	1k	64	6	1.69	1.07
312514	PIC12F683-I/P	DIP-8	Flash	20	4k	128	6	2.19	2.05
312531	PIC16F54-I/P	DIP-18	Flash	20	512	25	12	1.79	1.73
193439	PIC16F627-20/P	DIP-18	Flash	20	1k	224	16	3.55	2.32
193447	PIC16F628-20/P	DIP-18	Flash	20	2k	224	16	3.49	2.77
246756	PIC16F628-20I/P	DIP-18	Flash	20	2k	224	16	3.25	3.10
223749	PIC16F630-I/P	DIP-14	Flash	20	1k	64	12	1.89	1.42
247142	PIC16F648A-I/P	DIP-18	Flash	20	4k	256	16	3.59	2.81
223757	PIC16F676-I/P	DIP-14	Flash	20	1k	64	12	1.29	1.23
312590	PIC16F684-I/P	DIP-14	Flash	20	2k	128	12	2.45	1.62
312611	PIC16F688-I/P	DIP-14	Flash	20	4k	256	12	2.19	1.95
312670	PIC16F737-I/SP	DIP-28	Flash	20	4k	368	25	6.15	4.63
223765	PIC16F818-I/P	DIP-18	Flash	20	1k	128	16	3.49	2.62
223773	PIC16F819-I/P	DIP-18	Flash	20	2k	256	16	3.85	2.89
193332	PIC16F84A-20/P	DIP-18	Flash	20	1k	68	13	5.59	4.66
246861	PIC16F84A-20I/P	DIP-18	Flash	20	1k	68	13	6.39	4.79
246895	PIC16F870-I/SP	DIP-28	Flash	20	2k	128	22	4.79	3.59
246941	PIC16F872-I/SP	DIP-28	Flash	20	2k	128	22	4.05	2.86
246975	PIC16F873A-I/SP	DIP-28	Flash	20	4k	192	22	6.29	5.50
246991	PIC16F874A-I/P	DIP-40	Flash	20	4k	192	33	7.39	6.00
193367	PIC16F876-20/SP	DIP-28	Flash	20	256	368	22	5.39	4.96
247011	PIC16F876A-I/SP	DIP-28	Flash	20	8k	368	22	7.35	4.37
176882	PIC16F877-20/P	DIP-40	Flash	20	256	368	33	9.29	8.05
247046	PIC16F877A-I/L	PLCC-44	Flash	20	8k	368	33	8.95	5.55
247038	PIC16F877A-I/P	DIP-40	Flash	20	8k	368	33	7.25	5.29
247097	PIC16F87-I/P	DIP-18	Flash	20	4k	368	16	3.39	3.15
312733	PIC16F88-I/P	DIP-18	Flash	20	7k	368	16	4.15	3.05
248111	PIC18F1320-I/P	DIP-18	Flash	40	4k	256	16	4.89	3.38
312303	PIC18F2525-I/SP	DIP-28	Flash	40	48k	3986	25	9.89	7.98
247994	PIC18F252-I/SP	DIP-28	Flash	40	16k	1536	23	8.79	6.59
248049	PIC18F452-I/L	PLCC-44	Flash	40	16k	1536	34	10.35	9.14
248031	PIC18F452-I/P	DIP-40	Flash	40	16k	1536	34	9.75	7.31
248057	PIC18F458-I/P	DIP-40	Flash	40	16k	1536	34	10.69	6.66
145040	PIC12C508A-04/P	DIP-8	OTP	4	512	25	5	1.49	.99
144258	PIC12C509A-04/P	DIP-8	OTP	4	1k	41	5	1.49	1.09
128338	PIC16C54A-04/P	DIP-18	OTP	4	512	25	12	1.45	1.09
193341	PIC16C57C-04/P	DIP-28	OTP	4	2k	72	20	3.05	1.97
193359	PIC16C711-04/P	DIP-18	OTP	4	1k	68	13	3.25	2.43

ATMEL Microcontrollers

NEW

Part No.	Product No.	Pkg.	Description	1	25
1920685	ATMEGA8L-8AU	TOFP-32	8-bit AVR [®] MCU, 8k flash, 32 I/O, 8MHz, I-temp ...	\$4.25	\$3.99
847421	ATMEGA8-16PC	DIP-28	8-bit AVR [®] MCU, 8k flash, 23 I/O, 16MHz, C-temp	3.59	3.26
248330	ATMEGA8-16PI	DIP-28	8-bit MCU, 8kB flash, 16MHz, 23 I/O	5.05	4.05
323133	ATMEGA16-16PI	DIP-40	8-bit MCU, 16kB flash, 16MHz, 32 I/O, I-temp	6.49	4.88
847130	ATMEGA16L-8AC	TOFP-44	8-bit AVR [®] MCU, 16k flash, 32 I/O, 8MHz, C-temp	6.95	6.39
847164	ATMEGA16L-8AU	TOFP-44	8-bit AVR [®] MCU, 16k flash, 32 I/O, 8MHz, I-temp	6.39	5.78
1013743	ATMEGA16-16AI	TOFP-44	8-bit MCU 16kB flash, 32 I/O, 16MHz, I-temp	7.15	6.79
847041	ATMEGA16-16AU	TOFP-44	8-bit AVR [®] MCU, 16k flash, 32 I/O, 16MHz, I-temp	5.79	5.38
764617	ATMEGA16-16PI	DIP-40	8-bit AVR [®] MCU, 16k flash, 32 I/O, 16MHz, I-temp	7.59	7.08
847228	ATMEGA32L-8AU	TOFP-44	8-bit AVR [®] MCU, 32k flash, 32 I/O, 8MHz, I-temp	8.09	7.32
1015255	ATMEGA32-16AI	TOFP-44	8-bit AVR [®] MCU, 32k flash, 32 I/O, 16MHz, I-temp	9.45	8.80
847199	ATMEGA32-16AU	TOFP-44	8-bit AVR [®] MCU, 32k flash, 32 I/O, 16MHz, I-temp	8.09	7.32
847332	ATMEGA64L-8AU	TOFP-64	8-bit AVR [®] MCU, 64k flash, 53 I/O, 8MHz, I-temp	11.59	10.58
847287	ATMEGA64-16AU	TOFP-64	8-bit AVR [®] MCU, 64k flash, 53 I/O, 16MHz, I-temp	11.09	10.15
1013621	ATMEGA128L-8AC	TOFP-64	8-bit MCU 128kB flash, 53 I/O, 8MHz, C-temp	16.69	15.85
1013663	ATMEGA128L-8AI	TOFP-64	8-bit MCU 128kB flash, 53 I/O, 8MHz, I-temp	16.69	15.85
846989	ATMEGA128L-8AU	TOFP-64	8-bit AVR [®] MCU, 128k flash, 53 I/O, 8MHz, I-temp	13.59	12.42
846954	ATMEGA128-16AU	TOFP-64	8-bit AVR [®] MCU, 128k flash, 53 I/O, 16MHz, I-temp	14.89	13.48
764676	ATMEGA162V-8AU	TOFP-44	8-bit AVR [®] MCU, 16k flash, 35 I/O, 8MHz, I-temp	5.95	5.34

▲ This product typically requires one additional day to ship. Please request 'ship partial' if you prefer the other products on your order to ship immediately. A separate shipping charge would apply.

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 204.

Color Code Legend
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ATMEL Microcontrollers (Continued)

Part No.	Product No.	Pkg.	Description	1	25
764633	ATMEGA162-16AU	TOFP-44	8-bit AVR [®] MCU, 16k flash, 35 I/O, 16MHz, I-temp	\$5.95	\$5.34
764932	ATMEGA8515L-8AU	TOFP-44	8-bit AVR [®] MCU, 8k flash, 35 I/O, 8MHz, I-temp	5.09	4.62
764975	ATMEGA8515L-8JI	PLCC-44	8-bit AVR [®] MCU, 8k flash, 35 I/O, 8MHz, I-temp	5.25	5.10
847455	ATMEGA8535L-8AU	TOFP-44	8-bit AVR [®] MCU, 8k flash, 32 I/O, 8MHz, I-temp	5.49	4.99
765038	ATMEGA8535-16PC	DIP-40	8-bit AVR [®] MCU, 8k flash, 32 I/O, 16MHz, C-temp	7.05	6.51
248170	ATTINY12-8PC	DIP-8	8-bit MCU, 1kB flash, 8MHz, 6 I/O	1.85	1.56
847658	ATTINY26L-8SU	SOIC-20	8-bit AVR [®] MCU, 2k flash, 16 I/O, 8MHz, I-temp	2.35	2.13
765417	ATTINY26-16SC	SOIC-20	8-bit AVR [®] MCU, 2k flash, 16 I/O, 16MHz, C-temp	2.95	2.70
689039	ATTINY2313V-10PU	DIP-20	8-bit MCU, 2kB flash, 10MHz, 18 I/O, I-temp	2.19	1.75
765409	ATTINY2313V-10SU	SOIC-20	8-bit AVR [®] MCU, 2k flash, 18 I/O, 10MHz, I-temp	2.25	1.78
765370	ATTINY2313-20MU	QFN-20	8-bit AVR [®] MCU, 2k flash, 18 I/O, 20MHz, I-temp	2.19	2.09
1537061	ATTINY2313-20PU	DIP-20	8-bit AVR [®] MCU, 2k flash, 18 I/O, 20MHz, I-temp	2.25	2.03
847578	ATTINY2313-20SI	SOIC-20	8-bit AVR [®] MCU, 2k flash, 18 I/O, 20MHz, I-temp	2.09	1.91
847594	ATTINY2313-20SU	SOIC-8	8-bit AVR [®] MCU, 2k flash, 18 I/O, 20MHz, I-temp	2.65	2.45
248217	ATTINY26-16PC	DIP-20	8-bit MCU, 2kB flash, 16MHz, 16 I/O	2.05	1.54
323141	ATMEGA8515-16PC	DIP-40	8-bit MCU, 8kB flash, 16MHz, 35 I/O	4.59	3.44
168874	AT89C2051-24PC	DIP-20	8-bit MCU, 2kB flash, 24MHz, 15 I/O	2.29	1.70
204089	AT89C4051-24PC	DIP-20	8-bit MCU, 4kB flash, 24MHz, 15 I/O	2.15	1.78
168911	AT89C51-24JC	PLCC-44	8-bit MCU, 4kB flash, 24MHz, 32 I/O	4.55	4.07
168903	AT89C51-24PC	DIP-40	8-bit MCU, 4kB flash, 24MHz, 32 I/O	4.95	4.35
168920	AT89C52-24PC	DIP-40	8-bit MCU, 8kB flash, 24MHz, 32 I/O	3.45	2.85
763631	AT89C5131A-RDTIM	VOFP-64	8-bit flash MCU w/ full speed USB device, I-temp	★	Call
763681	AT89C51RD2-RLTIM	VOFP-64	8-bit flash MCU, four 8-bit I/O ports, I-temp	★	Call
763711	AT89C51ND1C-ROTIM	TOFP-80	Single chip flash MCU, 64k flash, I-temp	★	Call
355830	AT89S51-24PC	DIP-40	8-bit MCU, 4kB flash, 33MHz, 32 I/O	2.09	1.58
763817	AT89S51-24PI	DIP-40	8-bit MCU, 4kB ISP flash, 32 I/O, 24MHz, I-temp	2.29	2.16
220871	AT89S52-24JI	PLCC-44	8-bit MCU, 8kB flash, 33MHz, 32 I/O, I-temp	1.85	1.39
662637	AT89S52-24PC	DIP-40	8-bit MCU, 8kB programmable flash	2.15	1.62
168946	AT89C55WD-24PC	DIP-40	8-bit MCU, 20kB flash, 24MHz, 32 I/O	6.59	5.75
204097	AT89S8252-24PC	DIP-40	8-bit MCU, 8kB flash, 24MHz, 32 I/O	6.95	6.25
846006	AT89S8253-24AI	TOFP-44	8-bit MCU, 12kB flash, 32 I/O, 24MHz, I-temp	★	Call
763868	AT89S8253-24AU	TOFP-44	8-bit MCU, 12kB flash, 32 I/O, 24MHz, I-temp	★	Call
846031	AT89S8253-24JI	PLCC-44	8-bit MCU, 12kB flash, 32 I/O, 24MHz, I-temp	5.55	5.29
846057	AT89S8253-24JU	PLCC-44	8-bit MCU, 12kB flash, 32 I/O, 24MHz, I-temp	4.89	4.43

+ Single chip MCU w/ MP3 decoder and human interface

★ Please call or visit our website for minimum order quantity and pricing

TEXAS INSTRUMENTS Microcontrollers

NEW

Part No.	Product No.	Pkg.	Description	1	10	100
699034	MSP430F148IPM	QFP-64	48kB + 256B flash, 2kB RAM, I-temp	\$10.99	\$10.43	\$9.91
1355410	MSP430F149IPM	QFP-64	60kB + 256B flash, 2kB RAM, I-temp	12.19	11.58	10.42
699051	MSP430F1611IPM	QFP-64	48kB + 256B flash, 10kB RAM, I-temp	★	Call	Call
699085	MSP430F449IPZ	QFP-80	60kB + 256B flash, 2kB RAM, I-temp	13.45	12.78	12.14

★ Please call or visit our website for minimum order quantity and pricing

ATMEL AT91R MCUs

NEW

Part No.	Product No.	Pkg.	Description	1	10
1012935	AT91R40008-66AU	TOFP-100	256kB pri. SRAM, 32-bit data bus, 32 prog I/O	\$12.65	\$11.99
846137	AT91SAM-ICE	—	JTAG emulator	286.25	252.49

NXP/PHILIPS MCUs

Part No.	Product No.	Pkg.	Description	1	10
917337	P80C32UFAA	PLCC-44	128/256 byte RAM ROMless LV (2.7-5.5V), LP, hi-spd (33MHz), I-temp	\$2.25	\$2.00
854719	P87C51FA-4A	PLCC-64	8-bit, 8k x 8 OTP, LV (2.7-5.5V), LP, hi-speed (16MHz)	7.55	5.66
854882	P87C51RD+4A	PLCC-44	8-bit, 64k x 8 OTP, LV (2.7-5.5V), LP, hi-speed (16MHz)	12.75	11.85
855050	P89C660HBB0	LOFP-44	8-bit, 16kB ISP/ISP flash, 512B RAM, 20MHz - 33MHz	9.49	8.86
855252	P89V51RD2FA	PLCC-44	8-bit, 5V LP, 64kB flash, 1kB RAM, I-temp	6.35	5.98
917687	PCF8583PN	DIP-8	Clock calendar w/ 240 x 8 RAM	3.45	3.14
917716	PCF8583TD	SOIC-8	Clock calendar w/ 240 x 8 RAM	2.19	2.13

intel 8-Bit MCU

Part No.	Product No.	Pkg.	Description	1	10
876096	P80C31BH-1	DIP-40	CHMOS single chip 8-bit microcontroller	\$2.39	\$1.98