

ATMEL Microcontrollers



RoHS Compliant This product is RoHS compliant.

AVR 8-BIT RISC MICROCONTROLLERS (CONT.)

tinyAVR - 1KB-8KB Flash Programmable Memory (cont.)



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Atmel Part No.	Package	Flash	EEPROM	SRAM	Max. I/O Pins	Power Supply	Speed	Price Each					
									1	10	25	100		
General Purpose (Cont.)														
556-ATTINY461-20MU	ATTINY461-20MU	MLF-32	4KB	256 Bytes	256 Bytes	16	2.7V-5.5V	20MHz	1.96	1.89	1.70	1.56		
556-ATTINY461-20PU	ATTINY461-20PU	PDIP-20	4KB	256 Bytes	256 Bytes	16	2.7V-5.5V	20MHz	1.96	1.90	1.77	1.62		
556-ATTINY461V10PU	ATTINY461V-10PU	PDIP-20	4KB	256 Bytes	256 Bytes	16	1.8V-5.5V	10MHz	2.18	2.11	2.03	1.87		
556-ATTINY461V10SU	ATTINY461V-10SU	SOIC-20	4KB	256 Bytes	256 Bytes	16	1.8V-5.5V	10MHz	2.11	2.04	1.84	1.80		
556-ATTINY84-20PU	ATTINY84-20PU	PDIP-14	8KB	512 Bytes	512 Bytes	12	2.7V-5.5V	20MHz	2.90	2.52	1.93	1.78		
556-ATTINY84V10MU	ATTINY84V-10MU	MLF-20	8KB	512 Bytes	512 Bytes	12	1.8V-5.5V	10MHz	2.99	2.82	1.87	1.86		
556-ATTINY85-20PU	ATTINY85-20PU	PDIP-8	8KB	512 Bytes	512 Bytes	6	2.7V-5.5V	20MHz	.92	.794	.742	.737		
556-ATTINY85-20SU	ATTINY85-20SU	SOIC-8	8KB	512 Bytes	512 Bytes	6	1.8V-5.5V	20MHz	.84	.819	.742	.726		
556-ATTINY85V10PU	ATTINY85V-10PU	PDIP-8	8KB	512 Bytes	512 Bytes	6	1.8V-5.5V	10MHz	1.62	1.40	1.30	1.29		
556-ATTINY85V10SU	ATTINY85V-10SU	SOIC-8	8KB	512 Bytes	512 Bytes	6	1.8V-5.5V	10MHz	1.54	1.49	1.35	1.32		
556-ATTINY861-20MU	ATTINY861-20MU	MLF-32	8KB	512 Bytes	512 Bytes	16	2.7V-5.5V	20MHz	2.17	2.10	1.90	1.86		
556-ATTINY861-20PU	ATTINY861-20PU	PDIP-20	8KB	512 Bytes	512 Bytes	16	2.7V-5.5V	20MHz	2.25	2.18	2.09	1.93		
556-ATTINY861-20SU	ATTINY861-20SU	SOIC-20	8KB	512 Bytes	512 Bytes	16	2.7V-5.5V	20MHz	3.03	2.63	2.02	1.86		
556-ATTINY861V10PU	ATTINY861V-10PU	PDIP-20	8KB	512 Bytes	512 Bytes	16	1.8V-5.5V	10MHz	2.25	2.18	1.97	1.86		
556-ATTINY1634-SU	ATTINY1634-SU	SOIC-20	16 KB	256 Bytes	1K Byte	18	1.8V-5.5V	12MHz	1.71	1.59	1.48	1.31		
556-ATTINY1634R-SU	ATTINY1634R-SU	SOIC-20	16 KB	256 Bytes	1K Byte	18	1.8V-5.5V	12MHz	2.34	2.17	2.02	1.79		
picoPower®														
556-ATTINY13A-MMU	ATTINY13A-MMU	MLF-10	1KB	64 Bytes	64 Bytes	6	1.8V-5.5V	20MHz	.71	.701	.633	.61		
556-ATTINY13A-MU	ATTINY13A-MU	MLF-20	1KB	64 Bytes	64 Bytes	6	1.8V-5.5V	20MHz	.92	.891	.726	.577		
556-ATTINY13A-PU	ATTINY13A-PU	PDIP-8	1KB	64 Bytes	64 Bytes	6	1.8V-5.5V	20MHz	.94	.91	.592	.536		
556-ATTINY13A-SSU	ATTINY13A-SSU	SOIC-8	1KB	64 Bytes	64 Bytes	6	1.8V-5.5V	20MHz	.58	.542	.525	.513		
556-ATTINY13A-SU	ATTINY13A-SU	SOIC-8	1KB	64 Bytes	64 Bytes	6	1.8V-5.5V	20MHz	.59	.581	.525	.519		
556-ATTINY2313A-PU	ATTINY2313A-PU	PDIP-20	2KB	128 Bytes	128 Bytes	18	1.8V-5.5V	20MHz	.94	.935	.823	.798		
556-ATTINY2313A-SU	ATTINY2313A-SU	SOIC-20	2KB	128 Bytes	128 Bytes	18	1.8V-5.5V	20MHz	.86	.832	.754	.735		
556-ATTINY48-AU	ATTINY48-AU	TQFP-32	4KB	64 Bytes	256 Bytes	6	1.8V-5.5V	12MHz	1.55	1.40	1.11	1.02		
556-ATTINY48-MU	ATTINY48-MU	MLF-28	4KB	64 Bytes	256 Bytes	6	1.8V-5.5V	12MHz	1.58	1.36	1.17	1.02		
556-ATTINY48-PU	ATTINY48-PU	PDIP-28	4KB	64 Bytes	256 Bytes	6	1.8V-5.5V	12MHz	1.28	1.19	1.06	1.02		
556-ATTINY88-AU	ATTINY88-AU	TQFP-32	8KB	64 Bytes	512 Bytes	6	1.8V-5.5V	12MHz	1.25	1.14	1.10	1.00		
556-ATTINY88-MMU	ATTINY88-MMU	MLF-28	8KB	64 Bytes	512 Bytes	6	1.8V-5.5V	12MHz	1.73	1.49	1.29	1.12		
556-ATTINY88-MU	ATTINY88-MU	MLF-28	8KB	64 Bytes	512 Bytes	6	1.8V-5.5V	12MHz	1.51	1.22	1.15	1.05		

megaAVR - 4KB-256KB Flash Programmable Memory

When your designs need some extra muscle, you need the megaAVR. Ideal for applications requiring large amounts of code, the megaAVR offers substantial program and data memories with performance up to 20 MIPS. Innovative picoPower technology minimizes power consumption. All megaAVRs offer self-programmability for fast, secure, cost-effective in-circuit upgrades. You can even upgrade the flash while running your application.

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MOUSER STOCK NO.	Atmel Part No.	Package	Flash	EEPROM	SRAM	Max. I/O Pins	Power Supply	Speed	Price Each					
									1	10	25	100		
CAN Controllers														
556-A90CAN32-16AU	AT90CAN32-16AU	TQFP-64	32KB	1024 Bytes	2048 Bytes	53	2.7V-5.5V	16MHz	6.97	5.67	4.37	3.97		
556-A90CAN64-16AU	AT90CAN64-16AU	TQFP-64	64KB	2048 Bytes	4096 Bytes	53	2.7V-5.5V	16MHz	8.80	6.80	5.52	5.04		
556-A90CAN128-16AU	AT90CAN128-16AU	TQFP-64	128KB	4096 Bytes	4096 Bytes	53	2.7V-5.5V	16MHz	7.79	7.55	6.95	6.35		
556-A90CAN128-15AZ	AT90CAN128-15AZ	TQFP-64	128KB	4096 Bytes	4096 Bytes	53	2.7V-5.5V	16MHz	16.05	15.08	14.11	12.65		
General Purpose														
556-ATMEGA48-20AU	ATMEGA48-20AU	TQFP	4KB	0.256KB	512 Bytes	23	2.7V-5.5V	20MHz	2.16	1.89	1.75	1.56		
556-ATMEGA48-20MU	ATMEGA48-20MU	MLF	4KB	0.256KB	512 Bytes	23	2.7V-5.5V	20MHz	2.73	2.22	1.71	1.58		
556-ATMEGA48-20PU	ATMEGA48-20PU	PDIP	4KB	0.256KB	512 Bytes	23	2.7V-5.5V	20MHz	2.03	1.96	1.77	1.64		
556-ATMEGA48A-AU	ATMEGA48A-AU	TQFP-32	4KB	256 Bytes	512 Bytes	23	1.8V-5.5V	20MHz	1.38	1.33	1.21	1.16		
556-ATMEGA48V10AU	ATMEGA48V-10AU	TQFP	4KB	0.256KB	512 Bytes	23	1.8V-5.5V	10MHz	1.95	1.89	1.71	1.58		
556-ATMEGA48V10MU	ATMEGA48V-10MU	MLF	4KB	0.256KB	512 Bytes	23	1.8V-5.5V	10MHz	2.73	2.22	1.71	1.58		
556-ATMEGA48V10PU	ATMEGA48V-10PU	PDIP	4KB	0.256KB	512 Bytes	23	1.8V-5.5V	10MHz	2.03	1.77	1.64	1.62		
556-ATMEGA8515-16AU	ATMEGA8515-16AU	TQFP	8KB	0.5KB	512 Bytes	35	4.5V-5.5V	16MHz	2.68	2.59	2.36	2.15		
556-ATMEGA8515-16PU	ATMEGA8515-16PU	PDIP	8KB	0.5KB	512 Bytes	35	4.5V-5.5V	16MHz	3.66	3.55	2.42	2.20		
556-ATMEGA8515L-8AU	ATMEGA8515L-8AU	TQFP	8KB	0.5KB	512 Bytes	35	2.7V-5.5V	8MHz	2.68	2.50	2.36	2.15		
556-ATMEGA8515L-8PU	ATMEGA8515L-8PU	PDIP	8KB	0.5KB	512 Bytes	35	2.7V-5.5V	8MHz	2.76	2.67	2.42	2.20		
556-ATMEGA8535-16AU	ATMEGA8535-16AU	TQFP	8KB	0.5KB	512 Bytes	32	4.5V-5.5V	16MHz	2.89	2.80	2.53	2.31		
556-ATMEGA8535-16PU	ATMEGA8535-16PU	PDIP	8KB	0.5KB	512 Bytes	32	4.5V-5.5V	16MHz	4.15	3.20	2.60	2.37		
556-ATMEGA8535L-8AU	ATMEGA8535L-8AU	TQFP	8KB	0.5KB	512 Bytes	32	2.7V-5.5V	8MHz	2.89	2.53	2.34	2.30		
556-ATMEGA8535L-8PU	ATMEGA8535L-8PU	PDIP	8KB	0.5KB	512 Bytes	32	2.7V-5.5V	8MHz	4.14	3.69	2.60	2.37		
556-ATMEGA8A-PU	ATMEGA8A-PU	PDIP-28	8KB	512 Bytes	1024 Bytes	23	2.7V-5.5V	16MHz	2.36	2.20	2.05	1.92		
556-ATMEGA8L-8AU	ATMEGA8L-8AU	TQFP-32	8KB	512 Bytes	1024 Bytes	23	2.7V-5.5V	16MHz	3.45	2.98	2.22	2.08		
556-ATMEGA8L-8PU	ATMEGA8L-8PU	PDIP-28	8KB	512 Bytes	1024 Bytes	23	2.7V-5.5V	16MHz	2.61	2.53	2.29	2.25		
556-ATMEGA88-20AU	ATMEGA88-20AU	TQFP	8KB	0.5KB	1024 Bytes	23	2.7V-5.5V	20MHz	2.75	2.40	2.32	2.29		
556-ATMEGA88-20MU	ATMEGA88-20MU	MLF	8KB	0.5KB	1024 Bytes	23	2.7V-5.5V	20MHz	2.75	2.66	2.47	2.28		
556-ATMEGA88-20PU	ATMEGA88-20PU	PDIP	8KB	0.5KB	1024 Bytes	23	2.7V-5.5V	20MHz	2.82	2.55	2.35	2.31		
556-ATMEGA88V10AU	ATMEGA88V-10AU	TQFP	8KB	0.5KB	1024 Bytes	23	1.8V-5.5V	10MHz	2.75	2.41	2.23	2.19		
556-ATMEGA88V10MU	ATMEGA88V-10MU	MLF	8KB	0.5KB	1024 Bytes	23	1.8V-5.5V	10MHz	2.75	2.66	2.41	2.22		
556-ATMEGA88V10PU	ATMEGA88V-10PU	PDIP	8KB	0.5KB	1024 Bytes	23	1.8V-5.5V	10MHz	2.82	2.54	2.34	2.30		
556-ATMEGA16A-AU	ATMEGA16A-AU	TQFP	16KB	512B	1KB	32	2.7V-5.5V	16MHz	3.26	3.16	2.84	2.80		
556-ATMEGA16A-MU	ATMEGA16A-MU	QFN/MLF	16KB	512B	1KB	32	2.7V-5.5V	16MHz	3.32	2.90	2.78	2.66		
556-ATMEGA16A-PU	ATMEGA16A-PU	PDIP	16KB	512B	1KB	32	2.7V-5.5V	16MHz	3.40	2.98	2.71	2.70		
556-ATMEGA16-16AU	ATMEGA16-16AU	TQFP	16KB	0.5KB	1024 Bytes	32	4.5V-5.5V	16MHz	4.73	4.58	4.22	3.91		
556-ATMEGA16-16PU	ATMEGA16-16PU	PDIP	16KB	0.5KB	1024 Bytes	32	4.5V-5.5V	16MHz	4.80	4.65	4.29	3.97		
556-ATMEGA16L-8AU	ATMEGA16L-8AU	TQFP	16KB	0.5KB	1024 Bytes	32	2.7V-5.5V	8MHz	4.73	4.58	4.22	3.91		
556-ATMEGA16L-8PU	ATMEGA16L-8PU	PDIP	16KB	0.5KB	1024 Bytes	32	2.7V-5.5V	8MHz	4.80	4.65	4.29	3.97		
556-ATMEGA162-16AU	ATMEGA162-16AU	TQFP	16KB	0.5KB	1024 Bytes	35	2.7V-5.5V	16MHz	4.68	4.53	4.18	3.88		
556-ATMEGA162-16MU	ATMEGA162-16MU	MLF	16KB	0.5KB	1024 Bytes	35	2.7V-5.5V	16MHz	4.68	4.53	4.18	3.87		
556-ATMEGA162-16PU	ATMEGA162-16PU	PDIP	16KB	0.5KB	1024 Bytes	35	2.7V-5.5V	16MHz	4.76	4.61	4.25	3.94		
556-ATMEGA162V8AU	ATMEGA162V-8AU	TQFP	16KB	0.5KB	1024 Bytes	35	1.8V-5.5V	8MHz	4.68	4.53	4.18	3.88		
556-ATMEGA162V8PU	ATMEGA162V-8PU	PDIP	16KB	0.5KB	1024 Bytes	35	1.8V-5.5V	8MHz	4.76	4.61	4.25	3.94		
556-ATMEGA168-20AU	ATMEGA168-20AU	TQFP	16KB	0.5KB	1024 Bytes	23	2.7V-5.5V	20MHz	3.03	2.93	2.71	2.51		
556-ATMEGA168-20MU	ATMEGA168-20MU	MLF	16KB	0.5KB	1024 Bytes	23	2.7V-5.5V	20MHz	2.87	2.78	2.71	2.51		
556-ATMEGA168-20PU	ATMEGA168-20PU	PDIP	16KB	0.5KB	1024 Bytes	23	2.7V-5.5V	20MHz	3.11	2.77	2.57	2.53		
556-ATMEGA168A-AU	ATMEGA168A-AU	TQFP-32	16KB	512 Bytes	1024 Bytes	23	1.8V-5.5V	20MHz	1.74	1.68	1.52	1.46		
556-ATMEGA168V10AU	ATMEGA168V-10AU	TQFP	16KB	0.5KB	1024 Bytes	23	1.8V-5.5V	10MHz	3.09	2.99	2.71	2.45		
556-ATMEGA168V10MU	ATMEGA168V-10MU	MLF	16KB	0.5KB	1024 Bytes									