

ATMEL Microcontrollers



This product is RoHS compliant.



MCU / MPU / DSP

AVR 8-BIT RISC MICROCONTROLLERS

Atmel's low power, high performance AVR microcontrollers handle demanding 8- and 16-bit applications. With a single-cycle instruction RISC CPU, innovative picoPower® technology, and a rich feature set, the AVR architecture ensures fast code execution combined with the lowest possible power consumption.

megaAVR - 4KB-256KB Flash Programmable Memory

For quantities of 250 and up, 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
556-ATMEGA48-20AU	ATMEGA48-20AU	TQFP	4KB	0.256KB	512 Bytes	23	2.7V-5.5V	20MHz	2.58	2.10	1.62	1.50
556-ATMEGA48-20MU	ATMEGA48-20MU	MLF	4KB	0.256KB	512 Bytes	23	2.7V-5.5V	20MHz	2.69	2.19	1.69	1.56
556-ATMEGA48-20PU	ATMEGA48-20PU	PDIP	4KB	0.256KB	512 Bytes	23	2.7V-5.5V	20MHz	2.69	2.19	1.69	1.56
556-ATMEGA48V10AU	ATMEGA48V-10AU	TQFP	4KB	0.256KB	512 Bytes	23	1.8V-5.5V	10MHz	2.58	2.10	1.62	1.50
556-ATMEGA48V10MU	ATMEGA48V-10MU	MLF	4KB	0.256KB	512 Bytes	23	1.8V-5.5V	10MHz	2.69	2.19	1.69	1.56
556-ATMEGA48V10PU	ATMEGA48V-10PU	PDIP	4KB	0.256KB	512 Bytes	23	1.8V-5.5V	10MHz	2.69	2.19	1.69	1.56
556-ATMEGA8515-16AU	ATMEGA8515-16AU	TQFP	8KB	0.5KB	512 Bytes	35	4.5V-5.5V	16MHz	5.16	4.20	3.24	3.00
556-ATMEGA8515-16PU	ATMEGA8515-16PU	PDIP	8KB	0.5KB	512 Bytes	35	4.5V-5.5V	16MHz	5.27	4.29	3.31	3.06
556-ATMEGA8515L-8AU	ATMEGA8515L-8AU	TQFP	8KB	0.5KB	512 Bytes	35	2.7V-5.5V	8MHz	5.16	4.20	3.24	3.00
556-ATMEGA8515L-8PU	ATMEGA8515L-8PU	PDIP	8KB	0.5KB	512 Bytes	35	2.7V-5.5V	8MHz	5.27	4.29	3.31	3.06
556-ATMEGA8535-16AU	ATMEGA8535-16AU	TQFP	8KB	0.5KB	512 Bytes	32	4.5V-5.5V	16MHz	5.59	4.55	3.51	3.25
556-ATMEGA8535-16PU	ATMEGA8535-16PU	PDIP	8KB	0.5KB	512 Bytes	32	4.5V-5.5V	16MHz	5.70	4.64	3.58	3.31
556-ATMEGA8535L8AU	ATMEGA8535L-8AU	TQFP	8KB	0.5KB	512 Bytes	32	2.7V-5.5V	8MHz	5.59	4.55	3.51	3.25
556-ATMEGA8535L-8PU	ATMEGA8535L-8PU	PDIP	8KB	0.5KB	512 Bytes	32	2.7V-5.5V	8MHz	5.70	4.64	3.58	3.31
556-ATMEGA88-20AU	ATMEGA88-20AU	TQFP	8KB	0.5KB	1024 Bytes	23	2.7V-5.5V	20MHz	3.76	3.06	2.36	2.19
556-ATMEGA88-20MU	ATMEGA88-20MU	MLF	8KB	0.5KB	1024 Bytes	23	2.7V-5.5V	20MHz	3.87	3.15	2.43	2.25
556-ATMEGA88-20PU	ATMEGA88-20PU	PDIP	8KB	0.5KB	1024 Bytes	23	2.7V-5.5V	20MHz	3.87	3.15	2.43	2.25
556-ATMEGA88V10AU	ATMEGA88V-10AU	TQFP	8KB	0.5KB	1024 Bytes	23	1.8V-5.5V	10MHz	3.76	3.06	2.36	2.19
556-ATMEGA88V10MU	ATMEGA88V-10MU	MLF	8KB	0.5KB	1024 Bytes	23	1.8V-5.5V	10MHz	3.87	3.15	2.43	2.25
556-ATMEGA88V10PU	ATMEGA88V-10PU	PDIP	8KB	0.5KB	1024 Bytes	23	1.8V-5.5V	10MHz	3.87	3.15	2.43	2.25
556-ATMEGA16A-AU	ATMEGA16A-AU	TQFP	16KB	512B	1KB	32	2.7V-5.5V	16MHz	4.30	3.70	3.30	3.10
556-ATMEGA16A-MU	ATMEGA16A-MU	QFN/MLF	16KB	512B	1KB	32	2.7V-5.5V	16MHz	4.30	3.70	3.30	3.10
556-ATMEGA16A-PU	ATMEGA16A-PU	PDIP	16KB	512B	1KB	32	2.7V-5.5V	16MHz	4.30	3.70	3.30	3.10
556-ATMEGA16-16AU	ATMEGA16-16AU	TQFP	16KB	0.5KB	1024 Bytes	32	4.5V-5.5V	16MHz	6.45	5.25	4.05	3.75
556-ATMEGA16-16PU	ATMEGA16-16PU	PDIP	16KB	0.5KB	1024 Bytes	32	4.5V-5.5V	16MHz	6.56	5.34	4.12	3.81
556-ATMEGA16L-8AU	ATMEGA16L-8AU	TQFP	16KB	0.5KB	1024 Bytes	32	2.7V-5.5V	8MHz	6.45	5.25	4.05	3.75
556-ATMEGA16L-8MU	ATMEGA16L-8MU	MLF	16KB	0.5KB	1024 Bytes	32	2.7V-5.5V	8MHz	6.56	5.34	4.12	3.81
556-ATMEGA16L-8PU	ATMEGA16L-8PU	PDIP	16KB	0.5KB	1024 Bytes	32	2.7V-5.5V	8MHz	6.56	5.34	4.12	3.81
556-ATMEGA162-16AU	ATMEGA162-16AU	TQFP	16KB	0.5KB	1024 Bytes	35	2.7V-5.5V	16MHz	6.67	5.43	4.19	3.88
556-ATMEGA162-16MU	ATMEGA162-16MU	MLF	16KB	0.5KB	1024 Bytes	35	2.7V-5.5V	16MHz	6.77	5.51	4.25	3.94
556-ATMEGA162-16PU	ATMEGA162-16PU	PDIP	16KB	0.5KB	1024 Bytes	35	2.7V-5.5V	16MHz	6.77	5.51	4.25	3.94
556-ATMEGA162V8AU	ATMEGA162V-8AU	TQFP	16KB	0.5KB	1024 Bytes	35	1.8V-5.5V	8MHz	6.67	5.43	4.19	3.88
556-ATMEGA162V8PU	ATMEGA162V-8PU	PDIP	16KB	0.5KB	1024 Bytes	35	1.8V-5.5V	8MHz	6.77	5.51	4.25	3.94
556-ATMEGA168-20AU	ATMEGA168-20AU	TQFP	16KB	0.5KB	1024 Bytes	23	2.7V-5.5V	20MHz	4.00	3.25	2.51	2.33
556-ATMEGA168-20MU	ATMEGA168-20MU	MLF	16KB	0.5KB	1024 Bytes	23	2.7V-5.5V	20MHz	4.11	3.34	2.58	2.39
556-ATMEGA168-20PU	ATMEGA168-20PU	PDIP	16KB	0.5KB	1024 Bytes	23	2.7V-5.5V	20MHz	4.11	3.34	2.58	2.39
556-ATMEGA168V10AU	ATMEGA168V-10AU	TQFP	16KB	0.5KB	1024 Bytes	23	1.8V-5.5V	10MHz	4.00	3.25	2.51	2.33
556-ATMEGA168V10MU	ATMEGA168V-10MU	MLF	16KB	0.5KB	1024 Bytes	23	1.8V-5.5V	10MHz	4.11	3.34	2.58	2.39
556-ATMEGA168V10PU	ATMEGA168V-10PU	PDIP	16KB	0.5KB	1024 Bytes	23	1.8V-5.5V	10MHz	4.11	3.34	2.58	2.39
556-ATMEGA32A-AU	ATMEGA32A-AU	TQFP	32KB	1KB	2KB	32	2.7V-5.5V	16MHz	4.84	4.16	3.71	3.49
556-ATMEGA32A-MU	ATMEGA32A-MU	QFN/MLF	32KB	1KB	2KB	32	2.7V-5.5V	16MHz	4.84	4.16	3.71	3.49
556-ATMEGA32A-PU	ATMEGA32A-PU	PDIP	32KB	1KB	2KB	32	2.7V-5.5V	16MHz	4.84	4.16	3.71	3.49
556-ATMEGA329-16AU	ATMEGA329-16AU	TQFP	32KB	1KB	2KB	54	2.7V-5.5V	16MHz	7.61	6.19	4.78	4.67
556-ATMEGA32-16AU	ATMEGA32-16AU	TQFP	32KB	1KB	2048 Bytes	32	4.5V-5.5V	16MHz	8.17	6.65	5.13	4.75
556-ATMEGA32-16MU	ATMEGA32-16MU	MLF	32KB	1KB	2048 Bytes	32	4.5V-5.5V	16MHz	8.28	6.74	5.20	4.81
556-ATMEGA32-16PU	ATMEGA32-16PU	PDIP	32KB	1KB	2048 Bytes	32	4.5V-5.5V	16MHz	8.28	6.74	5.20	4.81
556-ATMEGA32L-8AU	ATMEGA32L-8AU	TQFP	32KB	1KB	2048 Bytes	32	2.7V-5.5V	8MHz	8.17	6.65	5.13	4.75
556-ATMEGA32L-8MU	ATMEGA32L-8MU	MLF	32KB	1KB	2048 Bytes	32	2.7V-5.5V	8MHz	8.17	6.65	5.13	4.75
556-ATMEGA32L-8PU	ATMEGA32L-8PU	PDIP	32KB	1KB	2048 Bytes	32	2.7V-5.5V	8MHz	5.19	5.13	4.97	4.75
556-ATMEGA325-16AU	ATMEGA325-16AU	TQFP	32KB	1KB	2048 Bytes	54	2.7V-5.5V	16MHz	6.88	5.60	4.32	4.00
556-ATMEGA64-16AU	ATMEGA64-16AU	TQFP	64KB	2KB	4096 Bytes	54	4.5V-5.5V	16MHz	11.83	9.63	7.43	6.88
556-ATMEGA64L-8AU	ATMEGA64L-8AU	TQFP	64KB	2KB	4096 Bytes	54	2.7V-5.5V	8MHz	11.83	9.63	7.43	6.88
556-ATMEGA640-16AU	ATMEGA640-16AU	TQFP	64KB	4KB	8192 Bytes	86	2.7V-5.5V	16MHz	11.80	10.26	8.73	7.80
556-ATMEGA644-20AU	ATMEGA644-20AU	TQFP	64KB	2KB	4096 Bytes	32	2.7V-5.5V	20MHz	7.76	6.31	4.87	4.51
556-ATMEGA644-20MU	ATMEGA644-20MU	MLF	64KB	2KB	4096 Bytes	32	2.7V-5.5V	20MHz	7.87	6.40	4.94	4.58
556-ATMEGA644-20PU	ATMEGA644-20PU	PDIP	64KB	2KB	4096 Bytes	32	2.7V-5.5V	20MHz	7.87	6.40	4.94	4.58
556-ATMEGA644V10AU	ATMEGA644V-10AU	TQFP	64KB	2KB	4096 Bytes	32	1.8V-5.5V	10MHz	7.76	6.31	4.87	4.51
556-ATMEGA644V10PU	ATMEGA644V-10PU	PDIP	64KB	2KB	4096 Bytes	32	1.8V-5.5V	10MHz	7.87	6.40	4.94	4.58
556-ATMEGA645-16AU	ATMEGA645-16AU	TQFP	64KB	2KB	4096 Bytes	54	2.7V-5.5V	16MHz	9.01	7.33	5.66	5.24
556-ATMEGA64L-8MU	ATMEGA64L-8MU	MLF	64KB	2KB	4KB	53	2.7V-5.5V	8MHz	11.93	11.10	7.49	7.33
556-ATMEGA1281-16MU	ATMEGA1281-16MU	MLF	128KB	4KB	8KB	54	2.7V-5.5V	16MHz	14.36	13.36	10.55	9.52
556-ATMEGA128-16AU	ATMEGA128-16AU	TQFP	128KB	4KB	4096 Bytes	53	4.5V-5.5V	16MHz	15.05	12.25	9.45	8.75
556-ATMEGA128-16MU	ATMEGA128-16MU	MLF	128KB	4KB	4096 Bytes	53	4.5V-5.5V	16MHz	15.05	12.25	9.45	8.75
556-ATMEGA128L-8AU	ATMEGA128L-8AU	TQFP	128KB	4KB	4096 Bytes	53	2.7V-5.5V	8MHz	15.05	12.25	9.45	8.75
556-ATMEGA128L-8MU	ATMEGA128L-8MU	MLF	128KB	4KB	4096 Bytes	53	2.7V-5.5V	8MHz	15.05	12.25	10.50	9.33
556-ATMEGA1280-16AU	ATMEGA1280-16AU	TQFP	128KB	4KB	8192 Bytes	86	2.7V-5.5V	16MHz	15.72	13.67	11.62	10.38
556-ATMEGA1281-16AU	ATMEGA1281-16AU	TQFP	128KB	4KB	8192 Bytes	54	2.7V-5.5V	16MHz	14.36	12.49	10.62	9.49
556-ATMEGA1281V8AU	ATMEGA1281V-8AU	TQFP	128KB	4KB	8192 Bytes	54	1.8V-5.5V	8MHz	14.36	12.49	10.62	9.49
556-ATMEGA1281V8MU	ATMEGA1281V-8MU	MLF	128KB	4KB	8192 Bytes	54	1.8V-5.5V	8MHz	14.36	12.49	10.62	9.49
556-ATMEGA2560-16AU	ATMEGA2560-16AU	TQFP	256KB	4KB	8192 Bytes	86	4.5V-5.5V	16MHz	16.77	14.43	11.70	10.40
556-ATMEGA2560V8AU	ATMEGA2560V-8AU	TQFP	256KB	4KB	8192 Bytes	86	1.8V-5.5V	8MHz	16.77	14.43	11.70	10.40
556-ATMEGA2561-16AU	ATMEGA2561-16AU	TQFP	256KB	4KB	8192 Bytes	54	4.5V-5.5V	16MHz	15.91	13.69	11.10	9.86
556-ATMEGA2561V8AU	ATMEGA2561V-8AU	TQFP	256KB	4KB	8192 Bytes	54	1.8V-5.5V	8MHz	15.91	13.69	11.10	9.86