

# ATMEL Microcontrollers



This product is RoHS compliant.



MCU / MPU / DSP

Atmel

## 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.

### tinyAVR - 1KB-8KB 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-ATTINY25-20SSU	ATTINY25-20SSU	SOIC	2KB	128B	128 Bytes	6	2.7V-5.5V	20MHz	1.66	1.42	1.22	1.10
556-ATTINY261-20SU	ATTINY261-20SU	SO150	2KB	128B	128 Bytes	16	2.7V-5.5V	20MHz	2.13	1.99	1.56	1.41
556-ATTINY2313-20MU	ATTINY2313-20MU	MLF	2KB	128B	128 Bytes	18	2.7V-5.5V	20MHz	2.26	1.84	1.42	1.31
556-ATTINY2313-20PU	ATTINY2313-20PU	PDIP	2KB	128B	128 Bytes	18	2.7V-5.5V	20MHz	2.26	1.84	1.42	1.31
556-ATTINY2313-20SU	ATTINY2313-20SU	SO150	2KB	128B	128 Bytes	18	2.7V-5.5V	20MHz	2.15	1.75	1.35	1.25
556-ATTINY2313V10MU	ATTINY2313V-10MU	MLF	2KB	128B	128 Bytes	18	1.8V-5.5V	10MHz	2.26	1.84	1.42	1.31
556-ATTINY2313V10PU	ATTINY2313V-10PU	PDIP	2KB	128B	128 Bytes	18	1.8V-5.5V	10MHz	2.26	1.84	1.42	1.31
556-ATTINY2313V10SU	ATTINY2313V-10SU	SO150	2KB	128B	128 Bytes	18	1.8V-5.5V	10MHz	2.15	1.75	1.35	1.25
556-ATTINY24-20MU	ATTINY24-20MU	MLF	2KB	128B	128 Bytes	12	2.7V-5.5V	20MHz	1.91	1.55	1.15	1.11
556-ATTINY24-20PU	ATTINY24-20PU	PDIP	2KB	128B	128 Bytes	12	2.7V-5.5V	20MHz	1.91	1.55	1.20	1.11
556-ATTINY24-20SSU	ATTINY24-20SSU	SOIC150	2KB	128B	128 Bytes	12	2.7V-5.5V	20MHz	1.91	1.55	1.20	1.11
556-ATTINY24V10PU	ATTINY24V-10PU	PDIP	2KB	128B	128 Bytes	12	1.8V-5.5V	10MHz	1.91	1.55	1.20	1.11
556-ATTINY24V10SSU	ATTINY24V-10SSU	SOIC150	2KB	128B	128 Bytes	12	1.8V-5.5V	10MHz	1.91	1.55	1.20	1.11
556-ATTINY25-20PU	ATTINY25-20PU	PDIP	2KB	128B	128 Bytes	6	2.7V-5.5V	20MHz	1.66	1.42	1.15	1.02
556-ATTINY25-20SU	ATTINY25-20SU	SO150	2KB	128B	128 Bytes	6	2.7V-5.5V	20MHz	1.66	1.35	1.04	.96
556-ATTINY25V10MU	ATTINY25V-10MU	MLF	2KB	125B	128 Bytes	6	1.8V-5.5V	10MHz	1.78	1.54	1.24	1.10
556-ATTINY25V10PU	ATTINY25V-10PU	PDIP	2KB	128B	128 Bytes	6	1.8V-5.5V	10MHz	1.66	1.42	1.15	1.02
556-ATTINY261-20PU	ATTINY261-20PU	PDIP	2KB	128B	128 Bytes	16	2.7V-5.5V	20MHz	2.13	1.85	1.57	1.41
556-ATTINY26-16PU	ATTINY26-16PU	PDIP	2KB	125B	128 Bytes	16	4.5V-5.5V	16MHz	2.47	2.01	1.55	1.44
556-ATTINY26-16SU	ATTINY26-16SU	SO150	2KB	125B	128 Bytes	16	4.5V-5.5V	16MHz	2.47	2.13	1.55	1.44
556-ATTINY26L-8PU	ATTINY26L-8PU	PDIP	2KB	125B	128 Bytes	16	2.7V-5.5V	8MHz	2.47	2.01	1.55	1.44
556-ATTINY26L-8SU	ATTINY26L-8SU	SO150	2KB	125B	128 Bytes	16	2.7V-5.5V	8MHz	2.47	2.13	1.55	1.44
556-ATTINY28L-4PU	ATTINY28L-4PU	PDIP	2KB	-	32 Bytes	11	2.7V-5.5V	4MHz	1.61	1.31	1.01	.94
556-ATTINY45-20PU	ATTINY45-20PU	PDIP	4KB	256B	256 Bytes	6	2.7V-5.5V	20MHz	2.13	1.73	1.34	1.24
556-ATTINY45-20SU	ATTINY45-20SU	SO150	4KB	256B	256 Bytes	6	2.7V-5.5V	20MHz	2.02	1.64	1.27	1.18
556-ATTINY45V10PU	ATTINY45V-10PU	PDIP	4KB	256B	256 Bytes	6	1.8V-5.5V	10MHz	2.13	1.73	1.34	1.24
556-ATTINY45V10SU	ATTINY45V-10SU	SO150	4KB	256B	256 Bytes	6	1.8V-5.5V	10MHz	2.02	1.64	1.27	1.18
556-ATTINY461-20PU	ATTINY461-20PU	PDIP	4KB	256B	256 Bytes	16	2.7V-5.5V	20MHz	2.45	2.13	1.81	1.62
556-ATTINY461V10PU	ATTINY461V-10PU	PDIP	4KB	256B	256 Bytes	16	1.8V-5.5V	10MHz	2.45	2.13	1.81	1.62
556-ATTINY461V10SU	ATTINY461V-10SU	SO150	4KB	256B	256 Bytes	16	1.8V-5.5V	10MHz	2.45	2.13	1.81	1.62
556-ATTINY461-20MU	ATTINY461-20MU	MLF	4KB	256B	256 Bytes	16	2.7V-5.5V	20MHz	2.45	2.28	1.80	1.62
556-ATTINY84V10MU	ATTINY84V-10MU	MLF	8KB	512B	512 Bytes	12	1.8V-5.5V	10MHz	2.90	2.70	2.13	1.92
556-ATTINY84-20PU	ATTINY84-20PU	PDIP	8KB	512B	512 Bytes	12	2.7V-5.5V	20MHz	2.90	2.52	2.15	1.92
556-ATTINY85-20PU	ATTINY85-20PU	PDIP	8KB	512B	512 Bytes	6	2.7V-5.5V	20MHz	2.84	2.31	1.78	1.65
556-ATTINY85V10PU	ATTINY85V-10PU	PDIP	8KB	512B	512 Bytes	6	1.8V-5.5V	10MHz	2.73	2.22	1.72	1.59
556-ATTINY85V10SU	ATTINY85V-10SU	SO150	8KB	512B	512 Bytes	6	1.8V-5.5V	10MHz	2.62	2.13	1.65	1.53
556-ATTINY861-20PU	ATTINY861-20PU	PDIP	8KB	512B	512 Bytes	16	2.7V-5.5V	20MHz	3.03	2.63	2.24	2.00
556-ATTINY861-20SU	ATTINY861-20SU	SO150	8KB	512B	512 Bytes	16	2.7V-5.5V	20MHz	3.03	2.63	2.24	2.00
556-ATTINY861V10PU	ATTINY861V-10PU	PDIP	8KB	512B	512 Bytes	16	1.8V-5.5V	10MHz	3.03	2.63	2.24	2.00

## AVR32 32-BIT MICROCONTROLLERS

The Atmel AVR32 UC3 product family is built on the new AVR32 UC core optimized for highly integrated embedded applications requiring microcontrollers with on-chip Flash program memory, high computation throughput, real-time behavior and low power consumption.

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Atmel Part No.	Package	Flash	USB	SRAM	Max. I/O Pins	Power Supply	Price Each			
								1	10	25	100
556-AT32UC3A0128ALUT	AT32UC3A0128-ALUT	LQFP	128KB	Full speed + On the Go	32KB	109	1.8V-3.3V	9.68	8.00	7.34	6.53
556-AT32UC3A1128-AUT	AT32UC3A1128-AUT	LQFP	128KB	Full speed + On the Go	32KB	69	1.8V-3.3V	7.20	6.80	6.40	6.06
556-AT32UC3A0256ALUT	AT32UC3A0256-ALUT	LQFP	256KB	Full speed + On the Go	64KB	109	1.8V-3.3V	10.75	9.50	8.15	7.25
556-AT32UC3A1256-AUT	AT32UC3A1256-AUT	LQFP	256KB	Full speed + On the Go	64KB	69	1.8V-3.3V	9.68	8.00	7.34	6.53
556-AT32UC3B0256A2UT	AT32UC3B0256-A2UT	QFP	256KB	Full speed + On the Go	32KB	44	1.8V-3.3V	8.39	7.15	6.36	5.85
556-AT32UC3A0512ALUT	AT32UC3A0512-ALUT	LQFP	512KB	Full speed + On the Go	64KB	109	1.8V-3.3V	12.90	10.98	9.60	8.70
556-AT32UC3A1512-AUT	AT32UC3A1512-AUT	LQFP	512KB	Full speed + On the Go	64KB	69	1.8V-3.3V	11.83	10.08	8.80	7.98

## CAN AVR

CAN controller handles independent message objects programmable on-the-fly.

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-A90CAN64-16AU	AT90CAN64-16AU	TQFP	64KB	2KB	4KB	53	2.7V-5.5V	16MHz	10.34	8.97	7.60	6.85
556-A90CAN128-16AU	AT90CAN128-16AU	TQFP	128KB	4KB	4KB	53	2.7V-5.5V	16MHz	16.77	14.58	12.40	11.08
556-AT90CAN128-15AZ	AT90CAN128-15AZ	TQFP	128KB	4KB	4KB	53	2.7V-5.5V	16MHz	16.05	15.08	14.11	12.65

