


ATMEL AVR 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.

picoPower® Technology

- PicoPower enables AVR to achieve the industry's lowest power consumption with 650nA with a RTC running and 100nA in Power Down sleep
- True 1.8V Supply Voltage
 - Sleeping BOD
 - Power Reduction Register
 - Flash Sampling
 - Minimized Leakage Current
 - Clock Gating
 - Digital Input Disable Registers



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		
General Purpose														
556-ATTINY13A-MMU	ATTINY13A-MMU	MLF	1KB	64B	64B	6	1.8V-5.5V	20MHz						
556-ATTINY13A-MU	ATTINY13A-MU	MLF	1KB	64B	64B	6	1.8V-5.5V	20MHz						
556-ATTINY13A-PU	ATTINY13A-PU	PDIP	1KB	64B	64B	6	1.8V-5.5V	20MHz						
556-ATTINY13A-SSU	ATTINY13A-SSU	SOIC150	1KB	64B	64B	6	1.8V-5.5V	20MHz						
556-ATTINY13A-SU	ATTINY13A-SU	SOIC	1KB	64B	64B	6	1.8V-5.5V	20MHz						
556-ATTINY48-AU	ATTINY48-AU	TQFP	4KB	64B	256B	6	1.8V-5.5V	12MHz						
556-ATTINY48-MMU	ATTINY48-MMU	MLF	4KB	64B	256B	6	1.8V-5.5V	12MHz						
556-ATTINY48-MU	ATTINY48-MU	MLF	4KB	64B	256B	6	1.8V-5.5V	12MHz						
556-ATTINY48-PU	ATTINY48-PU	PDIP	4KB	64B	256B	6	1.8V-5.5V	12MHz						
556-ATTINY88-AU	ATTINY88-AU	TQFP	8KB	64B	512B	6	1.8V-5.5V	12MHz						
556-ATTINY88-MMU	ATTINY88-MMU	MLF	8KB	64B	512B	6	1.8V-5.5V	12MHz						
556-ATTINY88-MU	ATTINY88-MU	MLF	8KB	64B	512B	6	1.8V-5.5V	12MHz						
556-ATTINY88-PU	ATTINY88-PU	PDIP	8KB	64B	512B	6	1.8V-5.5V	12MHz						
556-ATMEGA88P-20PU	ATMEGA88P-20PU	PDIP	8KB	512B	512B	23	1.8V-5.5V	20MHz						
556-ATMEGA164P-20PU	ATMEGA164P-20PU	PDIP	16KB	512B	1024B	32	2.7V-5.5V	20MHz						
556-ATMEGA164P-20AU	ATMEGA164P-20AU	TQFP	16KB	512B	1024B	32	2.7V-5.5V	20MHz						
556-ATMEGA164P-20MU	ATMEGA164P-20MU	MLF	16KB	512B	1024B	32	2.7V-5.5V	20MHz						
556-ATMEGA164PV10AU	ATMEGA164PV-10AU	TQFP	16KB	512B	1024B	32	1.8V-5.5V	10MHz						
556-ATMEGA164PV10MU	ATMEGA164PV-10MU	MLF	16KB	512B	1024B	32	1.8V-5.5V	10MHz						
556-ATMEGA164PV10PU	ATMEGA164PV-10PU	PDIP	16KB	512B	1024B	32	1.8V-5.5V	10MHz						
556-ATMEGA168PV-10MU	ATMEGA168PV-10MU	MLF	16KB	512B	1KB	23	1.8V-5.5V	20MHz						
556-ATMEGA168P-20PU	ATMEGA168P-20PU	PDIP	16KB	512B	1KB	23	1.8V-5.5V	20MHz						
556-ATMEGA165P-16AU	ATMEGA165P-16AU	TQFP	16KB	512B	1024B	54	2.7V-5.5V	16MHz						
556-ATMEGA165P-16MU	ATMEGA165P-16MU	MLF	16KB	512B	1024B	54	2.7V-5.5V	16MHz						
556-ATMEGA165PV8AU	ATMEGA165PV-8AU	TQFP	16KB	512B	1024B	54	1.8V-5.5V	8MHz						
556-ATMEGA165PV8MU	ATMEGA165PV-8MU	MLF	16KB	512B	1024B	54	1.8V-5.5V	8MHz						
556-ATMEGA324P-20AU	ATMEGA324P-20AU	TQFP	32KB	1024B	2048B	32	2.7V-5.5V	20MHz						
556-ATMEGA324P-20PU	ATMEGA324P-20PU	PDIP	32KB	1024B	2048B	32	2.7V-5.5V	20MHz						
556-ATMEGA324P-20MU	ATMEGA324P-20MU	MLF	32KB	1024B	2048B	32	2.7V-5.5V	20MHz						
556-ATMEGA324PV10AU	ATMEGA324PV-10AU	TQFP	32KB	1024B	2048B	32	1.8V-5.5V	10MHz						
556-ATMEGA324PV10MU	ATMEGA324PV-10MU	MLF	32KB	1024B	2048B	32	1.8V-5.5V	10MHz						
556-ATMEGA324PV10PU	ATMEGA324PV-10PU	PDIP	32KB	1024B	2048B	32	1.8V-5.5V	10MHz						
556-ATMEGA325P-20AU	ATMEGA325P-20AU	TQFP	32KB	1024B	2048B	54	2.7V-5.5V	20MHz						
556-ATMEGA325P-20MU	ATMEGA325P-20MU	MLF	32KB	1024B	2048B	54	2.7V-5.5V	20MHz						
556-ATMEGA325PV10AU	ATMEGA325PV-10AU	TQFP	32KB	1024B	2048B	54	1.8V-5.5V	10MHz						
556-ATMEGA3250P-20AU	ATMEGA3250P-20AU	TQFP	32KB	1024B	2048B	69	2.7V-5.5V	20MHz						
556-ATMEGA3250PV10AU	ATMEGA3250PV-10AU	TQFP	32KB	1024B	2048B	69	1.8V-5.5V	10MHz						
4x25 LCD Control														
556-ATMEGA169PV8MU	ATMEGA169PV-8MU	MLF	16KB	0.5KB	1024 Bytes	54	1.8V-5.5V	8MHz						
556-ATMEGA169PV8AU	ATMEGA169PV-8AU	TQFP	16KB	0.5KB	1024 Bytes	54	1.8V-5.5V	8MHz						
556-ATMEGA169P-16AU	ATMEGA169P-16AU	TQFP	16KB	0.5KB	1024 Bytes	54	2.7V-5.5V	16MHz						
556-ATMEGA169P-16MU	ATMEGA169P-16MU	MLF	16KB	0.5KB	1024 Bytes	54	2.7V-5.5V	16MHz						
556-ATMEGA329PV10AU	ATMEGA329PV-10AU	TQFP	32KB	1KB	2048 Bytes	54	1.8V-5.5V	10MHz						
556-ATMEGA329PV10MU	ATMEGA329PV-10MU	MLF	32KB	1KB	2048 Bytes	54	1.8V-5.5V	10MHz						
556-ATMEGA329P-20AU	ATMEGA329P-20AU	TQFP	32KB	1KB	2048 Bytes	54	2.7V-5.5V	20MHz						
556-ATMEGA329P-20MU	ATMEGA329P-20MU	MLF	32KB	1KB	2048 Bytes	54	2.7V-5.5V	20MHz						
4x40 LCD Control														
556-ATMEGA3290PV10AU	ATMEGA3290PV-10AU	TQFP	32KB	1KB	2048 Bytes	69	1.8V-5.5V	10MHz						
556-ATMEGA3290P-20AU	ATMEGA3290P-20AU	TQFP	32KB	1KB	2048 Bytes	69	2.7V-5.5V	20MHz						

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	4096 Bytes	53	2.7V-5.5V	16MHz				
556-A90CAN128-16AU	AT90CAN128-16AU	TQFP	128KB	4KB	4096 Bytes	53	2.7V-5.5V	16MHz				

USB AVR

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-A90USB1286-16MU	AT90USB1286-16MU	QFN	128KB	4KB	8192 Bytes	48	2.7V-5.5V	8-16MHz				
556-A90USB1287-16AU	AT90USB1287-16AU	TQFP	128KB	4KB	8192 Bytes	48	2.7V-5.5V	8-16MHz				
556-A90USB1287-16MU	AT90USB1287-16MU	QFN	128KB	4KB	8192 Bytes	48	2.7V-5.5V	8-16MHz				

