




Micrel / Microchip Technology

## ATMEGA328P-MU

Part Number:	ATMEGA328P-MU
Manufacturer/Brand:	Micrel / Microchip Technology
Product description:	IC MCU 8BIT 32KB FLASH 32VQFN
Datasheets:	<a href="#">PDF 1.ATMEGA328P-MU.pdf</a> <a href="#">PDF 2.ATMEGA328P-MU.pdf</a>
RoHS Status:	 Lead free / RoHS Compliant
Ship From:	Hong Kong
Shipment Way:	DHL/Fedex/TNT/UPS/EMS

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Image may be representation. See specifications for product details.

### Specifications of ATMEGA328P-MU

PART NUMBER	ATMEGA328P-MU
MANUFACTURER	Micrel / Microchip Technology
DESCRIPTION	IC MCU 8BIT 32KB FLASH 32VQFN
LEAD FREE STATUS / ROHS STATUS	Lead free / RoHS Compliant
DATA SHEET	<a href="#">PDF 1.ATMEGA328P-MU.pdf</a> <a href="#">PDF 2.ATMEGA328P-MU.pdf</a>
VOLTAGE - SUPPLY (VCC/VDD)	1.8 V ~ 5.5 V
SUPPLIER DEVICE PACKAGE	32-VQFN (5x5)
SPEED	20MHz
SERIES	AVR® ATmega
RAM SIZE	2K x 8
PROGRAM MEMORY TYPE	FLASH
PROGRAM MEMORY SIZE	32KB (16K x 16)
PERIPHERALS	Brown-out Detect/Reset, POR, PWM, WDT
PACKAGING	Tray
PACKAGE / CASE	32-VFQFN Exposed Pad
OTHER NAMES	ATMEGA328PMU
OSCILLATOR TYPE	Internal
OPERATING TEMPERATURE	-40°C ~ 85°C (TA)
NUMBER OF I/O	23
MOISTURE SENSITIVITY LEVEL (MSL)	3 (168 Hours)
MANUFACTURER STANDARD LEAD TIME	6 Weeks
LEAD FREE STATUS / ROHS STATUS	Lead free / RoHS Compliant
EEPROM SIZE	1K x 8
DETAILED DESCRIPTION	AVR AVR® ATmega Microcontroller IC 8-Bit 20MHz 32KB (16K x 16) FLASH 32-VQFN (5x5)
DATA CONVERTERS	A/D 8x10b
CORE SIZE	8-Bit
CORE PROCESSOR	AVR
CONNECTIVITY	I <sup>2</sup> C, SPI, UART/USART
BASE PART NUMBER	ATMEGA328

### Related Tags

Micrel / Microchip Technology ATMEGA328P-MU	ATMEGA328P-MU Distributor	ATMEGA328P-MU Supplier
ATMEGA328P-MU Price	ATMEGA328P-MU Pictures	ATMEGA328P-MU Image
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### Related Products

 <p><b>ATMEGA328P-PU</b> Manufacturers: Micrel / Microchip Technology Description: IC MCU 8BIT 32KB FLASH 28DIP In stock: Out stock</p> <p><a href="#">RFQ</a></p>	 <p><b>ATMEGA328P-MUR</b> Manufacturers: Micrel / Microchip Technology Description: IC MCU 8BIT 32KB FLASH 32VQFN In stock: Out stock</p> <p><a href="#">RFQ</a></p>
 <p><b>ATMEGA328P-MMH</b> Manufacturers: Micrel / Microchip Technology Description: IC MCU 8BIT 32KB FLASH 28VQFN In stock: Out stock</p> <p><a href="#">RFQ</a></p>	 <p><b>ATMEGA328PB-AN</b> Manufacturers: Micrel / Microchip Technology Description: IC MCU 8BIT 32KB FLASH 32TQFP In stock: 990 pcs</p> <p><a href="#">RFQ</a></p>
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 <p><b>ATMEGA328P-PN</b> Manufacturers: Micrel / Microchip Technology Description: IC MCU 8BIT 32KB FLASH 28DIP In stock: 730 pcs</p> <p><a href="#">RFQ</a></p>	 <p><b>ATMEGA328P-MMHR</b> Manufacturers: Micrel / Microchip Technology Description: IC MCU 8BIT 32KB FLASH 28VQFN In stock: Out stock</p> <p><a href="#">RFQ</a></p>
 <p><b>ATMEGA328P-MNR</b> Manufacturers: Micrel / Microchip Technology Description: IC MCU 8BIT 32KB FLASH 32VQFN In stock: Out stock</p> <p><a href="#">RFQ</a></p>	 <p><b>ATMEGA328P-AUR</b> Manufacturers: Micrel / Microchip Technology Description: IC MCU 8BIT 32KB FLASH 32TQFP In stock: Out stock</p> <p><a href="#">RFQ</a></p>
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