




Micrel / Microchip Technology

## ATMEGA328P-PN

Part Number:	ATMEGA328P-PN
Manufacturer/Brand:	Micrel / Microchip Technology
Product description:	IC MCU 8BIT 32KB FLASH 28DIP
Datasheets:	<a href="#">1.ATMEGA328P-PN.pdf</a> <a href="#">2.ATMEGA328P-PN.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-PN

PART NUMBER	ATMEGA328P-PN
MANUFACTURER	Micrel / Microchip Technology
DESCRIPTION	IC MCU 8BIT 32KB FLASH 28DIP
LEAD FREE STATUS / ROHS STATUS	Lead free / RoHS Compliant
DATA SHEET	<a href="#">1.ATMEGA328P-PN.pdf</a> <a href="#">2.ATMEGA328P-PN.pdf</a>
VOLTAGE - SUPPLY (VCC/VDD)	1.8 V ~ 5.5 V
SUPPLIER DEVICE PACKAGE	28-PDIP
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	Tube
PACKAGE / CASE	28-DIP (0.300", 7.62mm)
OTHER NAMES	ATMEGA328PPN
OSCILLATOR TYPE	Internal
OPERATING TEMPERATURE	-40°C ~ 105°C (TA)
NUMBER OF I/O	23
MOISTURE SENSITIVITY LEVEL (MSL)	1 (Unlimited)
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 28-PDIP
DATA CONVERTERS	A/D 6x10b
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-PN	ATMEGA328P-PN Distributor	ATMEGA328P-PN Supplier
ATMEGA328P-PN Price	ATMEGA328P-PN Pictures	ATMEGA328P-PN Image
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### Related Products

 <p><b>ATMEGA328P-MU</b>                  Manufacturers: Micrel / Microchip Technology                  Description: IC MCU 8BIT 32KB FLASH 32VQFN                  In stock: Out stock  <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  <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  <a href="#">RFQ</a></p>	 <p><b>ATMEGA328PB-AU</b>                  Manufacturers: Micrel / Microchip Technology                  Description: IC MCU 8BIT 32KB FLASH 32TQFP                  In stock: Out stock  <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  <a href="#">RFQ</a></p>	 <p><b>ATMEGA328PB-ANR</b>                  Manufacturers: Micrel / Microchip Technology                  Description: IC MCU 8BIT 32KB FLASH 32TQFP                  In stock: Out stock  <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  <a href="#">RFQ</a></p>	 <p><b>ATMEGA328P-MN</b>                  Manufacturers: Micrel / Microchip Technology                  Description: IC MCU 8BIT 32KB FLASH 32VQFN                  In stock: 453 pcs  <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  <a href="#">RFQ</a></p>	 <p><b>ATMEGA328P-XMINI</b>                  Manufacturers: Micrel / Microchip Technology                  Description: EVAL BOARD 8BIT MCU ATMEGA328P                  In stock: 104 pcs  <a href="#">RFQ</a></p>
 <p><b>ATMEGA328P-PU</b>                  Manufacturers: Micrel / Microchip Technology                  Description: IC MCU 8BIT 32KB FLASH 28DIP                  In stock: Out stock  <a href="#">RFQ</a></p>	 <p><b>ATMEGA328PB-ANR</b>                  Manufacturers: Microchip Technology                  Description: IC MCU 8BIT 32KB FLASH 32TQFP                  In stock: Out stock  <a href="#">RFQ</a></p>