

ATMEGA328-PU



Part Number: [ATMEGA328-PU](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC MCU 8BIT 32KB FLASH 28DIP

Data sheet:  [ATmega328,P Summary](#)  
 [ATmega328,P Complete](#)

RoHs Status: Lead free / RoHS Compliant

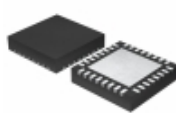
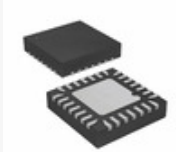
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Images are for reference only.  
See Product Specifications for product details.  
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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                           |                                  |                                                                              |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|----------------------------------|------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | ATMEGA328-PU                              | Manufacturer                     | <a href="#">Micrel / Microchip Technology</a>                                |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | IC MCU 8BIT 32KB FLASH 28DIP              | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                   |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 54102 pcs                                 | Data sheet                       | <a href="#">ATmega328,P Summary</a><br><a href="#">ATmega328,P Complete</a>  |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <a href="#">Integrated Circuits (ICs)</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                      | ATMEGA328PU                                                                  |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Internal                                  | Operating Temperature            | -40°C ~ 85°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                     | I²C, SPI, UART/USART                                                         |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | ATMEGA328                                 |                                  |                                                                              |
| Component-World.com is a Reliable Stocking Distributor of Electronic Components. We specialize in all Micrel / Microchip Technology series electronic components. We have 54102 pieces of Micrel / Microchip Technology ATMEGA328-PU in stock available now. Request a quote from electronics components distributor at Component-World.com, our sales team will contact you within 24 hours.<br>RFQ Email: <a href="mailto:info@Components-World.com">info@Components-World.com</a> |                                           |                                  |                                                                              |

| RELATED PRODUCTS                                                                   |                                                                                     |                                                              |                |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------|----------------|
|  | Part#: <a href="#">ATMEGA328P-15MZ</a><br>Description: IC MCU 8BIT 32KB FLASH 32QFN | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATMEGA328-MMH</a>                                                |                                                              |                |