

MICROCHIP

Micrel / Microchip Technology



Image may be representation. See specifications for product details.

ATMEGA328P-PU

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | ATMEGA328P-PU                                                                                                |
| Manufacturer/Brand: | Micrel / Microchip Technology                                                                                |
| Product description | IC MCU 8BIT 32KB FLASH 28DIP                                                                                 |
| Datasheets:         |  1.ATMEGA328P-PU.pdf        |
|                     |  2.ATMEGA328P-PU.pdf        |
| RoHs Status         |  Lead free / RoHS Compliant |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

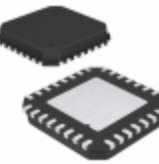
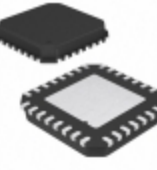
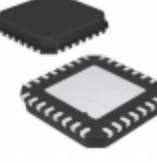
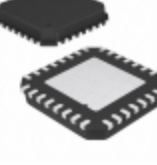
Specifications of ATMEGA328P-PU

|                                  |                                                                                                                                                                                                                    |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | ATMEGA328P-PU                                                                                                                                                                                                      |
| MANUFACTURER                     | Micrel / Microchip Technology                                                                                                                                                                                      |
| DESCRIPTION                      | IC MCU 8BIT 32KB FLASH 28DIP                                                                                                                                                                                       |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                         |
| DATA SHEET                       |  1.ATMEGA328P-PU.pdf<br> 2.ATMEGA328P-PU.pdf |
| 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                      | ATMEGA328PPU                                                                                                                                                                                                       |
| 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                                                                                                                                                                                                          |

Related Tags

|                                             |                                        |                                                      |
|---------------------------------------------|----------------------------------------|------------------------------------------------------|
| Micrel / Microchip Technology ATMEGA328P-PU | ATMEGA328P-PU Distributor              | ATMEGA328P-PU Supplier                               |
| ATMEGA328P-PU Price                         | ATMEGA328P-PU Pictures                 | ATMEGA328P-PU Image                                  |
| ATMEGA328P-PU PDF Datasheet                 | ATMEGA328P-PU Download Datasheet       | ATMEGA328P-PU Datasheet                              |
| ATMEGA328P-PU Stock                         | Buy ATMEGA328P-PU                      | Buy Micrel / Microchip Technology ATMEGA328P-PU      |
| Micrel / Microchip Technology ATMEGA328P-PU | Micrel / Microchip Technology Supplier | Micrel / Microchip Technology Distributor            |
| Micrel / Microchip Technology ATMEGA328P-PU | Microchip Technology ATMEGA328P-PU     | Roving Networks / Microchip Technology ATMEGA328P-PU |

Related Products

|                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                              |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <div><b>ATMEGA328PB-ANR</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 32KB FLASH 32TQFP<br/>In stock: Out stock</div> <div>RFQ</div> |  <div><b>ATMEGA328P-XMINI</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: EVAL BOARD 8BIT MCU ATMEGA328P<br/>In stock: 104 pcs</div> <div>RFQ</div> |
|  <div><b>ATMEGA328PB-AU</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 32KB FLASH 32TQFP<br/>In stock: Out stock</div> <div>RFQ</div>  |  <div><b>ATMEGA328PB-ANR</b><br/>Manufacturers: Microchip Technology<br/>Description: IC MCU 8BIT 32KB FLASH 32TQFP<br/>In stock: Out stock</div> <div>RFQ</div>          |
|  <div><b>ATMEGA328P-MNR</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 32KB FLASH 32VQFN<br/>In stock: Out stock</div> <div>RFQ</div>  |  <div><b>ATMEGA328PB-AN</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 32KB FLASH 32TQFP<br/>In stock: 990 pcs</div> <div>RFQ</div>    |
|  <div><b>ATMEGA328PB-AUR</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 32KB FLASH 32TQFP<br/>In stock: Out stock</div> <div>RFQ</div> |  <div><b>ATMEGA328P-MU</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 32KB FLASH 32VQFN<br/>In stock: Out stock</div> <div>RFQ</div>   |
|  <div><b>ATMEGA328P-PN</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 32KB FLASH 28DIP<br/>In stock: 730 pcs</div> <div>RFQ</div>      |  <div><b>ATMEGA328P-MUR</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 32KB FLASH 32VQFN<br/>In stock: Out stock</div> <div>RFQ</div>  |
|  <div><b>ATMEGA328P-MMHR</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 32KB FLASH 28VQFN<br/>In stock: Out stock</div> <div>RFQ</div> |  <div><b>ATMEGA328P-MN</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 32KB FLASH 32VQFN<br/>In stock: 453 pcs</div> <div>RFQ</div>     |