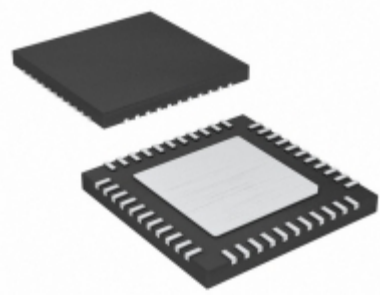


ATMEGA644P-20MU





Part Number: [ATMEGA644P-20MU](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC MCU 8BIT 64KB FLASH 44VQFN

Data sheet:  [ATMEGA164,324,644\(P,V\) Datasheet](#)

RoHs Status: Lead free / RoHS Compliant

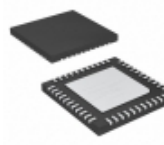
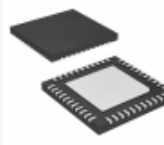
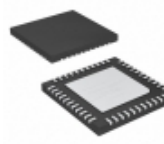
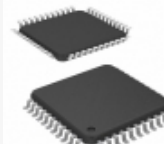
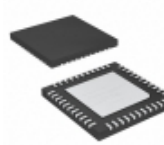
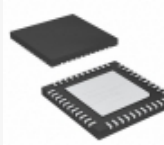
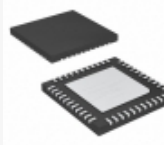
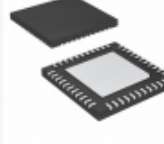
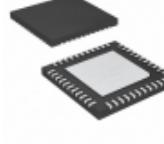
Ship From: Hong Kong

Shipment Way: DHL/Fedex/TNT/UPS/EMS

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

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                        |                                           |                                  |                                                                                    |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|----------------------------------|------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                              | ATMEGA644P-20MU                           | Manufacturer                     | <a href="#">Micrel / Microchip Technology</a>                                      |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                              | IC MCU 8BIT 64KB FLASH 44VQFN             | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                         |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                       | 23158 pcs                                 | Data sheet                       | <a href="#">ATMEGA164,324,644(P,V) Datasheet</a>                                   |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                 | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply (Vcc/Vdd)       | 2.7 V ~ 5.5 V                                                                      |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                  | 44-VQFN (7x7)                             | Speed                            | 20MHz                                                                              |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                   | AVR® ATmega                               | RAM Size                         | 4K x 8                                                                             |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                      | FLASH                                     | Program Memory Size              | 64KB (32K x 16)                                                                    |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                              | Brown-out Detect/Reset, POR, PWM, WDT     | Packaging                        | Tray                                                                               |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                           | 44-VFQFN Exposed Pad                      | Other Names                      | ATMEGA644P20MU                                                                     |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                                          | Internal                                  | Operating Temperature            | -40°C ~ 85°C (TA)                                                                  |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                            | 32                                        | Moisture Sensitivity Level (MSL) | 3 (168 Hours)                                                                      |
| Manufacturer Standard Lead Time                                                                                                                                                                                                                                                                                                                                                                                                          | 6 Weeks                                   | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                         |
| EEPROM Size                                                                                                                                                                                                                                                                                                                                                                                                                              | 2K x 8                                    | Detailed Description             | AVR AVR® ATmega Microcontroller IC 8-Bit 20MHz 64KB (32K x 16) FLASH 44-VQFN (7x7) |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                          | A/D 8x10b                                 | Core Size                        | 8-Bit                                                                              |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                           | AVR                                       | Connectivity                     | I²C, SPI, UART/USART                                                               |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                         | ATMEGA644                                 |                                  |                                                                                    |
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| RELATED PRODUCTS                                                                   |                                                                                       |                                                              |     |
|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------|-----|
|  | Part#: <a href="#">ATMEGA644P-15MT</a><br>Description: IC MCU 8BIT 64KB FLASH 44QFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | RFQ |
|  | Part#: <a href="#">ATMEGA644P-20MUR</a><br>Description: IC MCU 8BIT 64KB FLASH 44VQFN | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | RFQ |
|  | Part#: <a href="#">ATMEGA644PA-ANR</a><br>Description: IC MCU 8BIT 64KB FLASH 44TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | RFQ |
|  | Part#: <a href="#">ATMEGA644PA-AN</a><br>Description: IC MCU 8BIT 64KB FLASH 44TQFP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | RFQ |
|  | Part#: <a href="#">ATMEGA644P-20MQR</a><br>Description: IC MCU 8BIT 64KB FLASH 44VQFN | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | RFQ |
|  | Part#: <a href="#">ATMEGA644P-15AZ</a><br>Description: IC MCU 8BIT 64KB FLASH 44TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | RFQ |
|  | Part#: <a href="#">ATMEGA644P-15MZ</a><br>Description: IC MCU 8BIT 64KB FLASH 44QFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | RFQ |
|  | Part#: <a href="#">ATMEGA644P-A15MZ</a><br>Description: IC MCU 8BIT 64KB FLASH 44VQFN | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | RFQ |
|  | Part#: <a href="#">ATMEGA644P-20AUR</a><br>Description: IC MCU 8BIT 64KB FLASH 44TQFP | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | RFQ |
|  | Part#: <a href="#">ATMEGA644P-15MT1</a><br>Description: IC MCU 8BIT 64KB FLASH 44QFN  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | RFQ |
|  | Part#: <a href="#">ATMEGA644P-20PQ</a><br>Description: IC MCU 8BIT 64KB FLASH 44TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | RFQ |
|  | Part#: <a href="#">ATMEGA644P-20AQ</a><br>Description: IC MCU 8BIT 64KB FLASH 44TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | RFQ |
|  | Part#: <a href="#">ATMEGA644PA-AU</a><br>Description: IC MCU 8BIT 64KB FLASH 44TQFP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | RFQ |
|  | Part#: <a href="#">ATMEGA644P-20AQR</a><br>Description: IC MCU 8BIT 64KB FLASH 44TQFP | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | RFQ |
|  | Part#: <a href="#">ATMEGA644PA-AUR</a><br>Description: IC MCU 8BIT 64KB FLASH 44TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | RFQ |
|  | Part#: <a href="#">ATMEGA644P-20AU</a><br>Description: IC MCU 8BIT 64KB FLASH 44TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | RFQ |
|  | Part#: <a href="#">ATMEGA644P-A15AZ</a><br>Description: IC MCU 8BIT 64KB FLASH 44TQFP | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | RFQ |
|  | Part#: <a href="#">ATMEGA644P-20MQ</a><br>Description: IC MCU 8BIT 64KB FLASH 44VQFN  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | RFQ |
|  | Part#: <a href="#">ATMEGA644PA-MN</a><br>Description: IC MCU 8BIT 64KB FLASH 44VQFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | RFQ |
|  | Part#: <a href="#">ATMEGA644P-20PU</a><br>Description: IC MCU 8BIT 64KB FLASH 40DIP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | RFQ |

Related keywords for ATMEGA644P-20MU

|                                               |                                      |                                        |                       |
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