



Micrel / Microchip Technology



ATMEGA644PA-MU

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | ATMEGA644PA-MU                                                                                               |
| Manufacturer/Brand: | Micrel / Microchip Technology                                                                                |
| Product description | IC MCU 8BIT 64KB FLASH 44VQFN                                                                                |
|                     |  1.ATMEGA644PA-MU.pdf       |
|                     |  2.ATMEGA644PA-MU.pdf       |
| Datasheets:         |                                                                                                              |
| RoHs Status         |  Lead free / RoHS Compliant |
| Stock Condition     | 20346 pcs stock                                                                                              |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

Image may be representation. See specifications for product details.

Specifications of ATMEGA644PA-MU

|                                  |                                                                                                                                                                                                                      |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | ATMEGA644PA-MU                                                                                                                                                                                                       |
| MANUFACTURER                     | Micrel / Microchip Technology                                                                                                                                                                                        |
| DESCRIPTION                      | IC MCU 8BIT 64KB FLASH 44VQFN                                                                                                                                                                                        |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                           |
| QUANTITY AVAILABLE               | 20346 pcs                                                                                                                                                                                                            |
| DATA SHEET                       |  1.ATMEGA644PA-MU.pdf<br> 2.ATMEGA644PA-MU.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.8 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                      | ATMEGA644PAMU                                                                                                                                                                                                        |
| OSCILLATOR TYPE                  | Internal                                                                                                                                                                                                             |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                                                                                                                                                                    |
| NUMBER OF I/O                    | 32                                                                                                                                                                                                                   |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                                                                                                                                        |
| 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                                                                                                                                                                                                            |

Related Tags

|                                              |                                        |                                                       |
|----------------------------------------------|----------------------------------------|-------------------------------------------------------|
| Micrel / Microchip Technology ATMEGA644PA-MU | ATMEGA644PA-MU Distributor             | ATMEGA644PA-MU Supplier                               |
| ATMEGA644PA-MU Price                         | ATMEGA644PA-MU Pictures                | ATMEGA644PA-MU Image                                  |
| ATMEGA644PA-MU PDF Datasheet                 | ATMEGA644PA-MU Download Datasheet      | ATMEGA644PA-MU Datasheet                              |
| ATMEGA644PA-MU Stock                         | Buy ATMEGA644PA-MU                     | Buy Micrel / Microchip Technology ATMEGA644PA-MU      |
| Micrel / Microchip Technology ATMEGA644PA-MU | Micrel / Microchip Technology Supplier | Micrel / Microchip Technology Distributor             |
| Micrel / Microchip Technology ATMEGA644PA-MU | Microchip Technology ATMEGA644PA-MU    | Roving Networks / Microchip Technology ATMEGA644PA-MU |

Related Products

|                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                              |
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|  <div><b>ATMEGA644PR212-AU</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC RF TXRX+MCU 802.15.4 44-TQFP<br/>In stock: 3340 pcs</div> <div>RFQ</div> |  <div><b>ATMEGA644PA-AUR</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 64KB FLASH 44TQFP<br/>In stock: 22880 pcs</div> <div>RFQ</div> |
|  <div><b>ATMEGA644PR231-AU</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC RF TXRX+MCU 802.15.4 44-TQFP<br/>In stock: 3076 pcs</div> <div>RFQ</div> |  <div><b>ATMEGA644PR231-MU</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC RF TXRX+MCU 802.15.4/ISM<br/>In stock: 6718 pcs</div> <div>RFQ</div>  |
|  <div><b>ATMEGA644PA-PU</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 64KB FLASH 40DIP<br/>In stock: 19379 pcs</div> <div>RFQ</div>      |  <div><b>ATMEGA644PA-MNR</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 64KB FLASH 44VQFN<br/>In stock: 24098 pcs</div> <div>RFQ</div> |
|  <div><b>ATMEGA644PA-MNR</b><br/>Manufacturers: Microchip Technology<br/>Description: IC MCU 8BIT 64KB FLASH 44VQFN<br/>In stock: 21715 pcs</div> <div>RFQ</div>             |  <div><b>ATMEGA644PA-AU</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 64KB FLASH 44TQFP<br/>In stock: 20236 pcs</div> <div>RFQ</div>  |
|  <div><b>ATMEGA644PA-ANR</b><br/>Manufacturers: Microchip Technology<br/>Description: IC MCU 8BIT 64KB FLASH 44TQFP<br/>In stock: 20385 pcs</div> <div>RFQ</div>             |  <div><b>ATMEGA644PR212-MU</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC RF TXRX+MCU 802.15.4/ISM<br/>In stock: 2740 pcs</div> <div>RFQ</div>  |
|  <div><b>ATMEGA644PA-MUR</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 64KB FLASH 44VQFN<br/>In stock: 24421 pcs</div> <div>RFQ</div>    |  <div><b>ATMEGA644PA-MN</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 64KB FLASH 44VQFN<br/>In stock: 21238 pcs</div> <div>RFQ</div>  |