



Micrel / Microchip Technology



ATMEGA644-20MUR

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | ATMEGA644-20MUR                                                                                              |
| Manufacturer/Brand: | Micrel / Microchip Technology                                                                                |
| Product description | IC MCU 8BIT 64KB FLASH 44VQFN                                                                                |
|                     |  1.ATMEGA644-20MUR.pdf      |
|                     |  2.ATMEGA644-20MUR.pdf      |
| Datasheets:         |                                                                                                              |
| RoHs Status         |  Lead free / RoHS Compliant |
| Stock Condition     | 19476 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 ATMEGA644-20MUR

|                                  |                                                                                                                                                                                                                        |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | ATMEGA644-20MUR                                                                                                                                                                                                        |
| MANUFACTURER                     | Micrel / Microchip Technology                                                                                                                                                                                          |
| DESCRIPTION                      | IC MCU 8BIT 64KB FLASH 44VQFN                                                                                                                                                                                          |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                             |
| QUANTITY AVAILABLE               | 19476 pcs                                                                                                                                                                                                              |
| DATA SHEET                       |  1.ATMEGA644-20MUR.pdf<br> 2.ATMEGA644-20MUR.pdf |
| 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                        | Cut Tape (CT)                                                                                                                                                                                                          |
| PACKAGE / CASE                   | 44-VFQFN Exposed Pad                                                                                                                                                                                                   |
| OTHER NAMES                      | ATMEGA644-20MURCT                                                                                                                                                                                                      |
| 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 ATMEGA644-20MUR | ATMEGA644-20MUR Distributor            | ATMEGA644-20MUR Supplier                               |
| ATMEGA644-20MUR Price                         | ATMEGA644-20MUR Pictures               | ATMEGA644-20MUR Image                                  |
| ATMEGA644-20MUR PDF Datasheet                 | ATMEGA644-20MUR Download Datasheet     | ATMEGA644-20MUR Datasheet                              |
| ATMEGA644-20MUR Stock                         | Buy ATMEGA644-20MUR                    | Buy Micrel / Microchip Technology ATMEGA644-20MUR      |
| Micrel / Microchip Technology ATMEGA644-20MUR | Micrel / Microchip Technology Supplier | Micrel / Microchip Technology Distributor              |
| Micrel / Microchip Technology ATMEGA644-20MUR | Microchip Technology ATMEGA644-20MUR   | Roving Networks / Microchip Technology ATMEGA644-20MUR |

Related Products

|                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                               |
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|  <div><b>ATMEGA644A-MU</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 64KB FLASH 44VQFN<br/>In stock: 19342 pcs</div> <div>RFQ</div>  |  <div><b>ATMEGA644-20AUR</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 64KB FLASH 44TQFP<br/>In stock: 17930 pcs</div> <div>RFQ</div>  |
|  <div><b>ATMEGA644-20AU</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 64KB FLASH 44TQFP<br/>In stock: 15683 pcs</div> <div>RFQ</div> |  <div><b>ATMEGA644A-AUR</b><br/>Manufacturers: Microchip Technology<br/>Description: IC MCU 8BIT 64KB FLASH 44TQFP<br/>In stock: 21426 pcs</div> <div>RFQ</div>            |
|  <div><b>ATMEGA644A-AUR</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 64KB FLASH 44TQFP<br/>In stock: 27311 pcs</div> <div>RFQ</div> |  <div><b>ATMEGA640V-8CUR</b><br/>Manufacturers: Microchip Technology<br/>Description: IC MCU 8BIT 64KB FLASH 100CBGA<br/>In stock: 11622 pcs</div> <div>RFQ</div>          |
|  <div><b>ATMEGA644-20MU</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 64KB FLASH 44VQFN<br/>In stock: 16926 pcs</div> <div>RFQ</div> |  <div><b>ATMEGA640V-8CUR</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 64KB FLASH 100CBGA<br/>In stock: 14212 pcs</div> <div>RFQ</div> |
|  <div><b>ATMEGA644-20MUR</b><br/>Manufacturers: Microchip Technology<br/>Description: IC MCU 8BIT 64KB FLASH 44VQFN<br/>In stock: 22665 pcs</div> <div>RFQ</div>         |  <div><b>ATMEGA644A-AU</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 64KB FLASH 44TQFP<br/>In stock: 20066 pcs</div> <div>RFQ</div>    |
|  <div><b>ATMEGA640V-8CU</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 64KB FLASH 100CBGA<br/>In stock: 9546 pcs</div> <div>RFQ</div> |  <div><b>ATMEGA644-20PU</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 64KB FLASH 40DIP<br/>In stock: 17211 pcs</div> <div>RFQ</div>    |