



Micrel / Microchip Technology



Image may be representation. See specifications for product details.

ATMEGA644V-10MU

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | ATMEGA644V-10MU                                                                                              |
| Manufacturer/Brand: | Micrel / Microchip Technology                                                                                |
| Product description | IC MCU 8BIT 64KB FLASH 44VQFN                                                                                |
|                     |  1.ATMEGA644V-10MU.pdf      |
|                     |  2.ATMEGA644V-10MU.pdf      |
| Datasheets:         |                                                                                                              |
| RoHs Status         |  Lead free / RoHS Compliant |
| Stock Condition     | 17915 pcs stock                                                                                              |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

Specifications of ATMEGA644V-10MU

|                                  |                                                                                                                                                                                                                        |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | ATMEGA644V-10MU                                                                                                                                                                                                        |
| MANUFACTURER                     | Micrel / Microchip Technology                                                                                                                                                                                          |
| DESCRIPTION                      | IC MCU 8BIT 64KB FLASH 44VQFN                                                                                                                                                                                          |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                             |
| QUANTITY AVAILABLE               | 17915 pcs                                                                                                                                                                                                              |
| DATA SHEET                       |  1.ATMEGA644V-10MU.pdf<br> 2.ATMEGA644V-10MU.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.8 V ~ 5.5 V                                                                                                                                                                                                          |
| SUPPLIER DEVICE PACKAGE          | 44-VQFN (7x7)                                                                                                                                                                                                          |
| SPEED                            | 10MHz                                                                                                                                                                                                                  |
| 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                      | ATMEGA644V10MU                                                                                                                                                                                                         |
| 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 10MHz 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 ATMEGA644V-10MU | ATMEGA644V-10MU Distributor            | ATMEGA644V-10MU Supplier                               |
| ATMEGA644V-10MU Price                         | ATMEGA644V-10MU Pictures               | ATMEGA644V-10MU Image                                  |
| ATMEGA644V-10MU PDF Datasheet                 | ATMEGA644V-10MU Download Datasheet     | ATMEGA644V-10MU Datasheet                              |
| ATMEGA644V-10MU Stock                         | Buy ATMEGA644V-10MU                    | Buy Micrel / Microchip Technology ATMEGA644V-10MU      |
| Micrel / Microchip Technology ATMEGA644V-10MU | Micrel / Microchip Technology Supplier | Micrel / Microchip Technology Distributor              |
| Micrel / Microchip Technology ATMEGA644V-10MU | Microchip Technology ATMEGA644V-10MU   | Roving Networks / Microchip Technology ATMEGA644V-10MU |

Related Products

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|  <div><b>ATMEGA645-16AUR</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 64KB FLASH 64TQFP<br/>In stock: 15304 pcs<br/><div>RFQ</div></div>     |  <div><b>ATMEGA645-16AI</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 64KB FLASH 64TQFP<br/>In stock: 3677 pcs<br/><div>RFQ</div></div>        |
|  <div><b>ATMEGA644V-10AUR</b><br/>Manufacturers: Microchip Technology<br/>Description: IC MCU 8BIT 64KB FLASH 44TQFP<br/>In stock: 17642 pcs<br/><div>RFQ</div></div>             |  <div><b>ATMEGA645-16AU</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 64KB FLASH 64TQFP<br/>In stock: 15631 pcs<br/><div>RFQ</div></div>       |
|  <div><b>ATMEGA644V-10MUR</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 64KB FLASH 44VQFN<br/>In stock: 21735 pcs<br/><div>RFQ</div></div>    |  <div><b>ATMEGA644V-10PU</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 64KB FLASH 40DIP<br/>In stock: 19519 pcs<br/><div>RFQ</div></div>       |
|  <div><b>ATMEGA644V-10AUR</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 64KB FLASH 44TQFP<br/>In stock: 32848 pcs<br/><div>RFQ</div></div>    |  <div><b>ATMEGA644V-10AU</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 64KB FLASH 44TQFP<br/>In stock: 17452 pcs<br/><div>RFQ</div></div>      |
|  <div><b>ATMEGA644V-10MUR</b><br/>Manufacturers: Microchip Technology<br/>Description: IC MCU 8BIT 64KB FLASH 44VQFN<br/>In stock: 22574 pcs<br/><div>RFQ</div></div>             |  <div><b>ATMEGA644RFR2-ZUR</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC RF TXRX+MCU 802.15.4 48-VFQFN<br/>In stock: 18786 pcs<br/><div>RFQ</div></div> |
|  <div><b>ATMEGA644RFR2-ZU</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC RF TXRX+MCU 802.15.4 48-VFQFN<br/>In stock: 37500 pcs<br/><div>RFQ</div></div> |  <div><b>ATMEGA644RFR2-ZFR</b><br/>Manufacturers: Microchip Technology<br/>Description: IC RF TXRX+MCU 802.15.4 48-VFQFN<br/>In stock: 17232 pcs<br/><div>RFQ</div></div>          |