



**Micrel / Microchip Technology**



**ATXMEGA32A4U-M7**

|                     |                                                                                                                                                                                                                                                                           |
|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number:        | ATXMEGA32A4U-M7                                                                                                                                                                                                                                                           |
| Manufacturer/Brand: | Micrel / Microchip Technology                                                                                                                                                                                                                                             |
| Product description | IC MCU 8BIT 32KB FLASH 44VQFN                                                                                                                                                                                                                                             |
| Datasheets:         | <div>  <a href="#">1.ATXMEGA32A4U-M7.pdf</a> </div> <div>  <a href="#">2.ATXMEGA32A4U-M7.pdf</a> </div> |
| RoHs Status         |  Lead free / RoHS Compliant                                                                                                                                                              |
| Stock Condition     | 5120 pcs stock                                                                                                                                                                                                                                                            |
| Ship From           | Hong Kong                                                                                                                                                                                                                                                                 |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                                                                                                                                                                                     |

REQUEST FOR QUOTATION

Specifications of ATXMEGA32A4U-M7

|                                  |                                                                                                                                                                                                                                                                               |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | ATXMEGA32A4U-M7                                                                                                                                                                                                                                                               |
| MANUFACTURER                     | Micrel / Microchip Technology                                                                                                                                                                                                                                                 |
| DESCRIPTION                      | IC MCU 8BIT 32KB FLASH 44VQFN                                                                                                                                                                                                                                                 |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                    |
| QUANTITY AVAILABLE               | 5120 pcs                                                                                                                                                                                                                                                                      |
| DATA SHEET                       | <div>  <a href="#">1.ATXMEGA32A4U-M7.pdf</a> </div> <div>  <a href="#">2.ATXMEGA32A4U-M7.pdf</a> </div> |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.6 V ~ 3.6 V                                                                                                                                                                                                                                                                 |
| SUPPLIER DEVICE PACKAGE          | 44-VQFN (7x7)                                                                                                                                                                                                                                                                 |
| SPEED                            | 32MHz                                                                                                                                                                                                                                                                         |
| SERIES                           | AVR® XMEGA® A4U                                                                                                                                                                                                                                                               |
| RAM SIZE                         | 4K x 8                                                                                                                                                                                                                                                                        |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                                                                                                                                                                                         |
| PROGRAM MEMORY SIZE              | 32KB (16K x 16)                                                                                                                                                                                                                                                               |
| PERIPHERALS                      | Brown-out Detect/Reset, DMA, POR, PWM, WDT                                                                                                                                                                                                                                    |
| PACKAGING                        | Tray                                                                                                                                                                                                                                                                          |
| PACKAGE / CASE                   | 44-VFQFN Exposed Pad                                                                                                                                                                                                                                                          |
| OSCILLATOR TYPE                  | Internal                                                                                                                                                                                                                                                                      |
| OPERATING TEMPERATURE            | 0°C ~ 105°C (TA)                                                                                                                                                                                                                                                              |
| NUMBER OF I/O                    | 34                                                                                                                                                                                                                                                                            |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                                                                                                                                                                                                 |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                    |
| EEPROM SIZE                      | 1K x 8                                                                                                                                                                                                                                                                        |
| DETAILED DESCRIPTION             | AVR AVR® XMEGA® A4U Microcontroller IC 8/16-Bit 32MHz 32KB (16K x 16) FLASH 44-VQFN (7x7)                                                                                                                                                                                     |
| DATA CONVERTERS                  | A/D 12x12b, D/A 2x12b                                                                                                                                                                                                                                                         |
| CORE SIZE                        | 8/16-Bit                                                                                                                                                                                                                                                                      |
| CORE PROCESSOR                   | AVR                                                                                                                                                                                                                                                                           |
| CONNECTIVITY                     | I²C, IrDA, SPI, UART/USART, USB                                                                                                                                                                                                                                               |
| BASE PART NUMBER                 | ATXMEGA32                                                                                                                                                                                                                                                                     |

Related Tags

|                                               |                                        |                                                        |
|-----------------------------------------------|----------------------------------------|--------------------------------------------------------|
| Micrel / Microchip Technology ATXMEGA32A4U-M7 | ATXMEGA32A4U-M7 Distributor            | ATXMEGA32A4U-M7 Supplier                               |
| ATXMEGA32A4U-M7 Price                         | ATXMEGA32A4U-M7 Pictures               | ATXMEGA32A4U-M7 Image                                  |
| ATXMEGA32A4U-M7 PDF Datasheet                 | ATXMEGA32A4U-M7 Download Datasheet     | ATXMEGA32A4U-M7 Datasheet                              |
| ATXMEGA32A4U-M7 Stock                         | Buy ATXMEGA32A4U-M7                    | Buy Micrel / Microchip Technology ATXMEGA32A4U-M7      |
| Micrel / Microchip Technology ATXMEGA32A4U-M7 | Micrel / Microchip Technology Supplier | Micrel / Microchip Technology Distributor              |
| Micrel / Microchip Technology ATXMEGA32A4U-M7 | Microchip Technology ATXMEGA32A4U-M7   | Roving Networks / Microchip Technology ATXMEGA32A4U-M7 |

Related Products

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|  <div> <b>ATXMEGA32A4U-CN</b> </div> <div> Manufacturers: <a href="#">Micrel / Microchip Technology</a><br/> Description: IC MCU 8BIT 32KB FLASH 49VFBGA<br/> In stock: 6974 pcs </div> <div> RFQ </div>   |  <div> <b>ATXMEGA32A4U-CNR</b> </div> <div> Manufacturers: <a href="#">Micrel / Microchip Technology</a><br/> Description: IC MCU 8BIT 32KB FLASH 49VFBGA<br/> In stock: 6244 pcs </div> <div> RFQ </div> |
|  <div> <b>ATXMEGA32A4U-MNR</b> </div> <div> Manufacturers: <a href="#">Micrel / Microchip Technology</a><br/> Description: IC MCU 8BIT 32KB FLASH 44QFN<br/> In stock: 3489 pcs </div> <div> RFQ </div>    |  <div> <b>ATXMEGA32A4U-CU</b> </div> <div> Manufacturers: <a href="#">Micrel / Microchip Technology</a><br/> Description: IC MCU 8BIT 32KB FLASH 49VFBGA<br/> In stock: 29937 pcs </div> <div> RFQ </div> |
|  <div> <b>ATXMEGA32A4U-AUR</b> </div> <div> Manufacturers: <a href="#">Micrel / Microchip Technology</a><br/> Description: IC MCU 8BIT 32KB FLASH 44TQFP<br/> In stock: 39906 pcs </div> <div> RFQ </div>  |  <div> <b>ATXMEGA32A4U-MH</b> </div> <div> Manufacturers: <a href="#">Micrel / Microchip Technology</a><br/> Description: IC MCU 8BIT 32KB FLASH 44VQFN<br/> In stock: 35430 pcs </div> <div> RFQ </div>  |
|  <div> <b>ATXMEGA32A4U-MN</b> </div> <div> Manufacturers: <a href="#">Micrel / Microchip Technology</a><br/> Description: IC MCU 8BIT 32KB FLASH 44QFN<br/> In stock: 3625 pcs </div> <div> RFQ </div>     |  <div> <b>ATXMEGA32A4U-M7R</b> </div> <div> Manufacturers: <a href="#">Micrel / Microchip Technology</a><br/> Description: IC MCU 8BIT 32KB FLASH 44VQFN<br/> In stock: 6454 pcs </div> <div> RFQ </div>  |
|  <div> <b>ATXMEGA32A4U-CUR</b> </div> <div> Manufacturers: <a href="#">Micrel / Microchip Technology</a><br/> Description: IC MCU 8BIT 32KB FLASH 49VFBGA<br/> In stock: 37170 pcs </div> <div> RFQ </div> |  <div> <b>ATXMEGA32A4U-AU</b> </div> <div> Manufacturers: <a href="#">Micrel / Microchip Technology</a><br/> Description: IC MCU 8BIT 32KB FLASH 44TQFP<br/> In stock: 34312 pcs </div> <div> RFQ </div>  |
|  <div> <b>ATXMEGA32A4U-MHR</b> </div> <div> Manufacturers: <a href="#">Micrel / Microchip Technology</a><br/> Description: IC MCU 8BIT 32KB FLASH 44VQFN<br/> In stock: 39513 pcs </div> <div> RFQ </div>  |  <div> <b>ATXMEGA32C3-AN</b> </div> <div> Manufacturers: <a href="#">Micrel / Microchip Technology</a><br/> Description: IC MCU 8BIT 32KB FLASH 64TQFP<br/> In stock: 33545 pcs </div> <div> RFQ </div>   |