



**ATXMEGA64A1U-CU**

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | ATXMEGA64A1U-CU                                                                                              |
| Manufacturer/Brand: | Micrel / Microchip Technology                                                                                |
| Product description | IC MCU 8BIT 64KB FLASH 100CBGA                                                                               |
| Datasheets:         |                                                                                                              |
| RoHs Status         |  Lead free / RoHS Compliant |
| Stock Condition     | 14702 pcs stock                                                                                              |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

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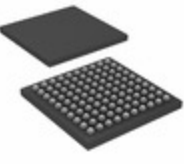
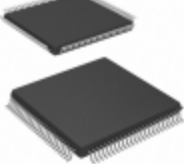
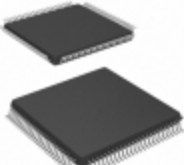
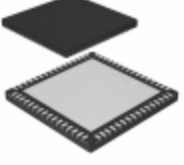
**Specifications of ATXMEGA64A1U-CU**

|                                  |                                                                             |
|----------------------------------|-----------------------------------------------------------------------------|
| PART NUMBER                      | ATXMEGA64A1U-CU                                                             |
| MANUFACTURER                     | Microchip Technology                                                        |
| DESCRIPTION                      | IC MCU 8BIT 64KB FLASH 100CBGA                                              |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                  |
| QUANTITY AVAILABLE               | 14702 pcs                                                                   |
| DATA SHEET                       |                                                                             |
| VOLTAGE - SUPPLY (VCC/VDD)       | FLASH                                                                       |
| SERIES                           | AVR® XMEGA® A1U                                                             |
| REVERSE RECOVERY TIME (TRR)      | 32MHz                                                                       |
| REQUIRES                         | Brown-out Detect/Reset, DMA, POR, PWM, WDT                                  |
| PROGRAM MEMORY TYPE              | 64KB (32K x 16)                                                             |
| PROGRAM MEMORY SIZE              | EBI/EMI, I²C, IrDA, SPI, UART/USART                                         |
| OTHER NAMES                      | 1611-ATXMEGA64A1U-CU                                                        |
| OSCILLATOR TYPE                  | A/D 16x12b, D/A 4x12b                                                       |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                           |
| OPERATING SYSTEM                 | AVR                                                                         |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                               |
| MANUFACTURER PART NUMBER         | ATXMEGA64A1U-CU                                                             |
| EXPANDED DESCRIPTION             | AVR AVR® XMEGA® A1U Microcontroller IC 8/16-Bit 32MHz 64KB (32K x 16) FLASH |
| DESCRIPTION                      | IC MCU 8BIT 64KB FLASH 100CBGA                                              |
| DATA SRAM BYTES                  | 2K x 8                                                                      |
| DATA CONVERTERS                  | 1.6 V ~ 3.6 V                                                               |
| CORE SIZE                        | 4K x 8                                                                      |
| CONTROLLER SERIES                | Internal                                                                    |
| CONNECTIVITY                     | 8/16-Bit                                                                    |
| CLOCK RATE                       | 78                                                                          |

**Related Tags**

|                                               |                                        |                                                        |
|-----------------------------------------------|----------------------------------------|--------------------------------------------------------|
| Micrel / Microchip Technology ATXMEGA64A1U-CU | ATXMEGA64A1U-CU Distributor            | ATXMEGA64A1U-CU Supplier                               |
| ATXMEGA64A1U-CU Price                         | ATXMEGA64A1U-CU Pictures               | ATXMEGA64A1U-CU Image                                  |
| ATXMEGA64A1U-CU PDF Datasheet                 | ATXMEGA64A1U-CU Download Datasheet     | ATXMEGA64A1U-CU Datasheet                              |
| ATXMEGA64A1U-CU Stock                         | Buy ATXMEGA64A1U-CU                    | Buy Micrel / Microchip Technology ATXMEGA64A1U-CU      |
| Micrel / Microchip Technology ATXMEGA64A1U-CU | Micrel / Microchip Technology Supplier | Micrel / Microchip Technology Distributor              |
| Micrel / Microchip Technology ATXMEGA64A1U-CU | Microchip Technology ATXMEGA64A1U-CU   | Roving Networks / Microchip Technology ATXMEGA64A1U-CU |

**Related Products**

|                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                    |
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|  <p><b>ATXMEGA64A3-AUR</b></p> <p>Manufacturers: Microchip Technology<br/>Description: IC MCU 8BIT 64KB FLASH 64TQFP<br/>In stock: 15181 pcs</p> <p><b>RFQ</b></p>             |  <p><b>ATXMEGA64A1U-CU</b></p> <p>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 64KB FLASH 100CBGA<br/>In stock: 14227 pcs</p> <p><b>RFQ</b></p>    |
|  <p><b>ATXMEGA64A1U-C7U</b></p> <p>Manufacturers: Microchip Technology<br/>Description: IC MCU 8BIT 64KB FLASH 100VFBGA<br/>In stock: 16916 pcs</p> <p><b>RFQ</b></p>          |  <p><b>ATXMEGA64A1U-AU</b></p> <p>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 64KB FLASH 100TQFP<br/>In stock: 14745 pcs</p> <p><b>RFQ</b></p>    |
|  <p><b>ATXMEGA64A1U-C7U</b></p> <p>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 64KB FLASH 100VFBGA<br/>In stock: 13650 pcs</p> <p><b>RFQ</b></p> |  <p><b>ATXMEGA64A1U-ANR</b></p> <p>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 64KB FLASH 100TQFP<br/>In stock: 2819 pcs</p> <p><b>RFQ</b></p>    |
|  <p><b>ATXMEGA64A3-AU</b></p> <p>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 64KB FLASH 64TQFP<br/>In stock: 13941 pcs</p> <p><b>RFQ</b></p>     |  <p><b>ATXMEGA64A1U-AUR</b></p> <p>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 64KB FLASH 100TQFP<br/>In stock: 21318 pcs</p> <p><b>RFQ</b></p>   |
|  <p><b>ATXMEGA64A3-AUR</b></p> <p>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 64KB FLASH 64TQFP<br/>In stock: 13047 pcs</p> <p><b>RFQ</b></p>    |  <p><b>ATXMEGA64A1U-C7UR</b></p> <p>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 64KB FLASH 100VFBGA<br/>In stock: 18181 pcs</p> <p><b>RFQ</b></p> |
|  <p><b>ATXMEGA64A1U-CUR</b></p> <p>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 64KB FLASH 100CBGA<br/>In stock: 14698 pcs</p> <p><b>RFQ</b></p>  |  <p><b>ATXMEGA64A3-MH</b></p> <p>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 64KB FLASH 64QFN<br/>In stock: 14303 pcs</p> <p><b>RFQ</b></p>       |