

ATXMEGA64D4-AU





**Part Number:** [ATXMEGA64D4-AU](#)

**Manufacturer:** [Micrel / Microchip Technology](#)

**Description:** IC MCU 8BIT 64KB FLASH 44TQFP

**Data sheet:**  [ATXMEGA D Manual](#)  
 [ATXMEGAxxD4 Datasheet](#)

**RoHs Status:** Lead free / RoHS Compliant

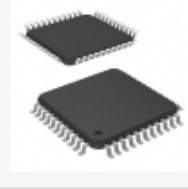
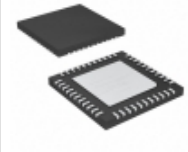
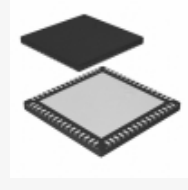
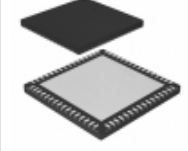
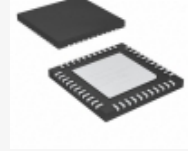
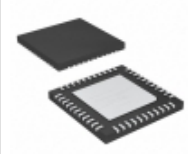
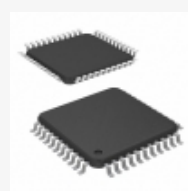
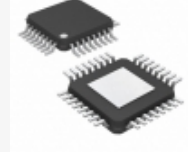
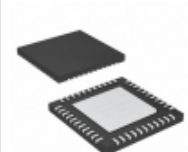
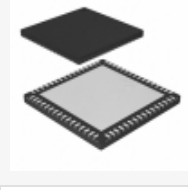
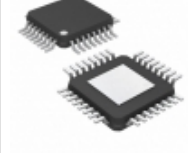
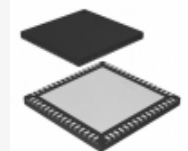
**Ship From:** Hong Kong

**Shipment Way:** DHL/Fedex/TNT/UPS/EMS

Images are for reference only.  
See Product Specifications for product details.  
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                           |                                  |                                                                                            |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|----------------------------------|--------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | ATXMEGA64D4-AU                            | Manufacturer                     | <a href="#">Micrel / Microchip Technology</a>                                              |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | IC MCU 8BIT 64KB FLASH 44TQFP             | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                 |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 30022 pcs                                 | Data sheet                       | <a href="#">ATXMEGA D Manual</a><br><a href="#">ATXMEGAxxD4 Datasheet</a>                  |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply (Vcc/Vdd)       | 1.6 V ~ 3.6 V                                                                              |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 44-TQFP (10x10)                           | Speed                            | 32MHz                                                                                      |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | AVR® XMEGA® D4                            | 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-TQFP                                   | Other Names                      | ATXMEGA64D4AU                                                                              |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Internal                                  | Operating Temperature            | -40°C ~ 85°C (TA)                                                                          |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 34                                        | Moisture Sensitivity Level (MSL) | 3 (168 Hours)                                                                              |
| Manufacturer Standard Lead Time                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 6 Weeks                                   | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                 |
| EEPROM Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 2K x 8                                    | Detailed Description             | AVR AVR® XMEGA® D4 Microcontroller IC 8/16-Bit 32MHz 64KB (32K x 16) FLASH 44-TQFP (10x10) |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | A/D 12x12b                                | Core Size                        | 8/16-Bit                                                                                   |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | AVR                                       | Connectivity                     | I²C, IrDA, SPI, UART/USART                                                                 |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | ATXMEGA64                                 |                                  |                                                                                            |
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| RELATED PRODUCTS                                                                   |                                                                                       |                                                              |                     |
|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------|---------------------|
|  | Part#: <a href="#">ATXMEGA64D4-CU</a><br>Description: IC MCU 8BIT 64KB FLASH 49VFBGA  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ATXMEGA64D4-ANR</a><br>Description: IC MCU 8BIT 64KB FLASH 44TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ATXMEGA64D4-MHR</a><br>Description: IC MCU 8BIT 64KB FLASH 44VQFN  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ATXMEGA64D3-MN</a><br>Description: IC MCU 8BIT 64KB FLASH 64QFN    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ATXMEGA64D3-MHR</a><br>Description: IC MCU 8BIT 64KB FLASH 64QFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ATXMEGA64D3-AU</a><br>Description: IC MCU 8BIT 64KB FLASH 64TQFP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ATXMEGA64D4-CUR</a><br>Description: IC MCU 8BIT 64KB FLASH 49VFBGA | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ATXMEGA64D4-MN</a><br>Description: IC MCU 8BIT 64KB FLASH 44QFN    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ATXMEGA64D4-MNR</a><br>Description: IC MCU 8BIT 64KB FLASH 44QFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ATXMEGA64D4-AN</a><br>Description: IC MCU 8BIT 64KB FLASH 44TQFP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ATXMEGA64D3-ANR</a><br>Description: IC MCU 8BIT 64KB FLASH 64TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ATXMEGA8E5-ANR</a><br>Description: IC MCU 8BIT 8KB FLASH 32TQFP    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ATXMEGA64D4-AUR</a><br>Description: IC MCU 8BIT 64KB FLASH 44TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ATXMEGA64D3-AN</a><br>Description: IC MCU 8BIT 64KB FLASH 64TQFP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ATXMEGA64D4-MH</a><br>Description: IC MCU 8BIT 64KB FLASH 44VQFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ATXMEGA64D3-AUR</a><br>Description: IC MCU 8BIT 64KB FLASH 64TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ATXMEGA8E5-AU</a><br>Description: IC MCU 8BIT 8KB FLASH 32TQFP     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ATXMEGA64D3-MNR</a><br>Description: IC MCU 8BIT 64KB FLASH 64QFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ATXMEGA8E5-AN</a><br>Description: IC MCU 8BIT 8KB FLASH 32TQFP     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ATXMEGA64D3-MH</a><br>Description: IC MCU 8BIT 64KB FLASH 64QFN    | Manufacturers: <a href="#">Microchip Technology</a>          | <a href="#">RFQ</a> |

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|----------------------------------------------|-------------------------------------|----------------------------------------------------------|----------------------|
| Related keywords for <b>ATXMEGA64D4-AU</b>   |                                     |                                                          |                      |
| Micrel / Microchip Technology ATXMEGA64D4-AU | ATXMEGA64D4-AU distributor          | ATXMEGA64D4-AU supplier                                  | ATXMEGA64D4-AU price |
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