

ATXMEGA16D4-AU





Part Number: [ATXMEGA16D4-AU](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC MCU 8BIT 16KB FLASH 44TQFP

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

RoHs Status: Lead free / RoHS Compliant

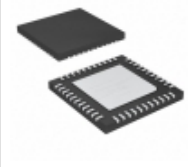
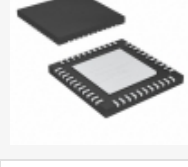
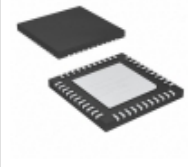
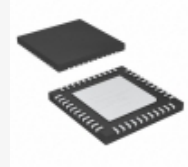
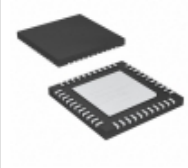
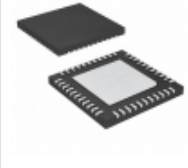
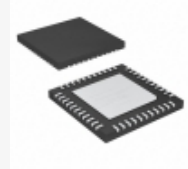
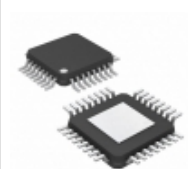
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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                           |                                  |                                                                                           |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|----------------------------------|-------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | ATXMEGA16D4-AU                            | Manufacturer                     | <a href="#">Micrel / Microchip Technology</a>                                             |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | IC MCU 8BIT 16KB FLASH 44TQFP             | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 36494 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                         | 2K x 8                                                                                    |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | FLASH                                     | Program Memory Size              | 16KB (8K x 16)                                                                            |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Brown-out Detect/Reset, POR, PWM, WDT     | Packaging                        | Tray                                                                                      |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 44-TQFP                                   | Other Names                      | ATXMEGA16D4AU                                                                             |
| 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 1K x 8                                    | Detailed Description             | AVR AVR® XMEGA® D4 Microcontroller IC 8/16-Bit 32MHz 16KB (8K 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | ATXMEGA16                                 |                                  |                                                                                           |
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| RELATED PRODUCTS                                                                   |                                                                                       |                                                              |                |
|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------|----------------|
|  | Part#: <a href="#">ATXMEGA16D4-CUR</a><br>Description: IC MCU 8BIT 16KB FLASH 49VFBGA | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATXMEGA16C4-CUR</a><br>Description: IC MCU 8BIT 16KB FLASH 49VFBGA | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATXMEGA16C4-AUR</a><br>Description: IC MCU 8BIT 16KB FLASH 44TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATXMEGA16D4-CU</a><br>Description: IC MCU 8BIT 16KB FLASH 49VFBGA  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATXMEGA16C4-MH</a><br>Description: IC MCU 8BIT 16KB FLASH 44VQFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATXMEGA16D4-MHK</a><br>Description: IC MCU 8BIT 16KB FLASH 44VQFN  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATXMEGA16D4-MH</a><br>Description: IC MCU 8BIT 16KB FLASH 44VQFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATXMEGA16D4-MN</a><br>Description: IC MCU 8BIT 16KB FLASH 44VQFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATXMEGA16C4-AU</a><br>Description: IC MCU 8BIT 16KB FLASH 44TQFP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATXMEGA16C4-MN</a><br>Description: IC MCU 8BIT 16KB FLASH 44VQFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATXMEGA16D4-MHR</a><br>Description: IC MCU 8BIT 16KB FLASH 44VQFN  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATXMEGA16C4-CU</a><br>Description: IC MCU 8BIT 16KB FLASH 49VFBGA  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATXMEGA16D4-MHA2</a><br>Description: IC MCU 8BIT 16KB FLASH 44VQFN | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATXMEGA16D4-MNR</a><br>Description: IC MCU 8BIT 16KB FLASH 44VQFN  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATXMEGA16D4-AN</a><br>Description: IC MCU 8BIT 16KB FLASH 44TQFP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATXMEGA16C4-MNR</a><br>Description: IC MCU 8BIT 16KB FLASH 44VQFN  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATXMEGA16D4-ANR</a><br>Description: IC MCU 8BIT 16KB FLASH 44TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATXMEGA16D4-AUR</a><br>Description: IC MCU 8BIT 16KB FLASH 44TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATXMEGA16E5-AN</a><br>Description: IC MCU 8BIT 16KB FLASH 32TQFP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATXMEGA16C4-MHR</a><br>Description: IC MCU 8BIT 16KB FLASH 44VQFN  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |

Related keywords for ATXMEGA16D4-AU

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