



Micrel / Microchip Technology



ATXMEGA16D4-CU

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | ATXMEGA16D4-CU                                                                                               |
| Manufacturer/Brand: | Micrel / Microchip Technology                                                                                |
| Product description | IC MCU 8BIT 16KB FLASH 49VFBGA                                                                               |
|                     |  1.ATXMEGA16D4-CU.pdf       |
|                     |  2.ATXMEGA16D4-CU.pdf       |
| Datasheets:         |                                                                                                              |
| RoHs Status         |  Lead free / RoHS Compliant |
| Stock Condition     | 27398 pcs stock                                                                                              |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

Image may be representation. See specifications for product details.

Specifications of ATXMEGA16D4-CU

|                                  |                                                                                                                                                                                                                      |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | ATXMEGA16D4-CU                                                                                                                                                                                                       |
| MANUFACTURER                     | Micrel / Microchip Technology                                                                                                                                                                                        |
| DESCRIPTION                      | IC MCU 8BIT 16KB FLASH 49VFBGA                                                                                                                                                                                       |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                           |
| QUANTITY AVAILABLE               | 27398 pcs                                                                                                                                                                                                            |
| DATA SHEET                       |  1.ATXMEGA16D4-CU.pdf<br> 2.ATXMEGA16D4-CU.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.6 V ~ 3.6 V                                                                                                                                                                                                        |
| SUPPLIER DEVICE PACKAGE          | 49-VFBGA (5x5)                                                                                                                                                                                                       |
| 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                   | 49-VFBGA                                                                                                                                                                                                             |
| OTHER NAMES                      | ATXMEGA16D4CU                                                                                                                                                                                                        |
| OSCILLATOR TYPE                  | Internal                                                                                                                                                                                                             |
| OPERATING TEMPERATURE            | -40°C ~ 85°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® D4 Microcontroller IC 8/16-Bit 32MHz 16KB (8K x 16) FLASH 49-VFBGA (5x5)                                                                                                                             |
| DATA CONVERTERS                  | A/D 12x12b                                                                                                                                                                                                           |
| CORE SIZE                        | 8/16-Bit                                                                                                                                                                                                             |
| CORE PROCESSOR                   | AVR                                                                                                                                                                                                                  |
| CONNECTIVITY                     | I²C, IrDA, SPI, UART/USART                                                                                                                                                                                           |
| BASE PART NUMBER                 | ATXMEGA16                                                                                                                                                                                                            |

Related Tags

|                                              |                                        |                                                       |
|----------------------------------------------|----------------------------------------|-------------------------------------------------------|
| Micrel / Microchip Technology ATXMEGA16D4-CU | ATXMEGA16D4-CU Distributor             | ATXMEGA16D4-CU Supplier                               |
| ATXMEGA16D4-CU Price                         | ATXMEGA16D4-CU Pictures                | ATXMEGA16D4-CU Image                                  |
| ATXMEGA16D4-CU PDF Datasheet                 | ATXMEGA16D4-CU Download Datasheet      | ATXMEGA16D4-CU Datasheet                              |
| ATXMEGA16D4-CU Stock                         | Buy ATXMEGA16D4-CU                     | Buy Micrel / Microchip Technology ATXMEGA16D4-CU      |
| Micrel / Microchip Technology ATXMEGA16D4-CU | Micrel / Microchip Technology Supplier | Micrel / Microchip Technology Distributor             |
| Micrel / Microchip Technology ATXMEGA16D4-CU | Microchip Technology ATXMEGA16D4-CU    | Roving Networks / Microchip Technology ATXMEGA16D4-CU |

Related Products

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| <div></div> <div><b>ATXMEGA16D4-CUR</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 16KB FLASH 49VFBGA<br/>In stock: 31407 pcs<br/><div>RFQ</div></div> | <div></div> <div><b>ATXMEGA16C4-MNR</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 16KB FLASH 44VQFN<br/>In stock: 6608 pcs<br/><div>RFQ</div></div>  |
| <div></div> <div><b>ATXMEGA16D4-AUR</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 16KB FLASH 44TQFP<br/>In stock: 36125 pcs<br/><div>RFQ</div></div>  | <div></div> <div><b>ATXMEGA16D4-CUR</b><br/>Manufacturers: Microchip Technology<br/>Description: IC MCU 8BIT 16KB FLASH 49VFBGA<br/>In stock: 34843 pcs<br/><div>RFQ</div></div>         |
| <div></div> <div><b>ATXMEGA16C4-MN</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 16KB FLASH 44VQFN<br/>In stock: 5614 pcs<br/><div>RFQ</div></div>    | <div></div> <div><b>ATXMEGA16D4-MHK</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 16KB FLASH 44VQFN<br/>In stock: 5537 pcs<br/><div>RFQ</div></div>  |
| <div></div> <div><b>ATXMEGA16D4-ANR</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 16KB FLASH 44TQFP<br/>In stock: 34720 pcs<br/><div>RFQ</div></div>  | <div></div> <div><b>ATXMEGA16D4-MHA2</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 16KB FLASH 44VQFN<br/>In stock: 6185 pcs<br/><div>RFQ</div></div> |
| <div></div> <div><b>ATXMEGA16D4-MH</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 16KB FLASH 44VQFN<br/>In stock: 29841 pcs<br/><div>RFQ</div></div>   | <div></div> <div><b>ATXMEGA16D4-AU</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 16KB FLASH 44TQFP<br/>In stock: 29082 pcs<br/><div>RFQ</div></div>  |
| <div></div> <div><b>ATXMEGA16D4-MHR</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 16KB FLASH 44VQFN<br/>In stock: 35214 pcs<br/><div>RFQ</div></div>  | <div></div> <div><b>ATXMEGA16D4-AN</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 16KB FLASH 44TQFP<br/>In stock: 38331 pcs<br/><div>RFQ</div></div>  |