

ATXMEGA16E5-AU





Part Number: [ATXMEGA16E5-AU](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC MCU 8BIT 16KB FLASH 32TQFP

Data sheet:  [ATxmega32E5,16E5,8E5 Datasheet](#)  
 [XMEGA E Manual](#)

RoHs Status: Lead free / RoHS Compliant

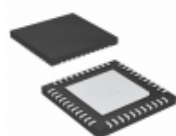
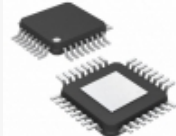
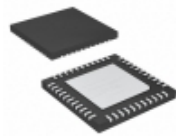
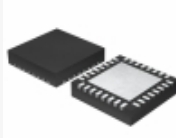
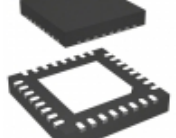
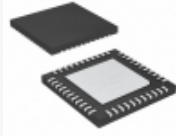
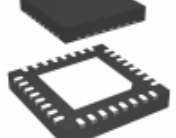
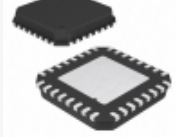
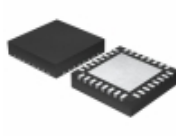
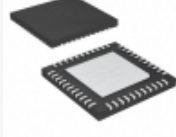
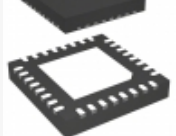
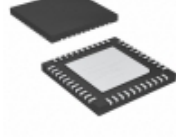
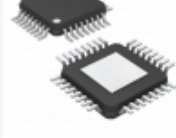
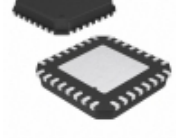
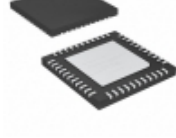
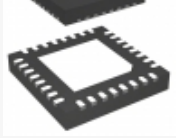
Ship From: Hong Kong

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

Images are for reference only.  
See Product Specifications for product details.  
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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                         |                                 |                                                                                  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|---------------------------------|----------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | ATXMEGA16E5-AU                                                                          | Manufacturer                    | <a href="#">Micrel / Microchip Technology</a>                                    |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | IC MCU 8BIT 16KB FLASH 32TQFP                                                           | Lead Free Status / RoHS Status  | Lead free / RoHS Compliant                                                       |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 43063 pcs                                                                               | Data sheet                      | <a href="#">ATxmega32E5,16E5,8E5 Datasheet</a><br><a href="#">XMEGA E Manual</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <a href="#">Integrated Circuits (ICs)</a>                                               | Voltage - Supply (Vcc/Vdd)      | 1.6 V ~ 3.6 V                                                                    |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 32-TQFP (7x7)                                                                           | Speed                           | 32MHz                                                                            |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | AVR® XMEGA® E5                                                                          | RAM Size                        | 2K x 8                                                                           |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | FLASH                                                                                   | Program Memory Size             | 16KB (8K x 16)                                                                   |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Brown-out Detect/Reset, DMA, POR, PWM, WDT                                              | Packaging                       | Tray                                                                             |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 32-TQFP                                                                                 | Oscillator Type                 | Internal                                                                         |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | -40°C ~ 85°C (TA)                                                                       | Number of I/O                   | 26                                                                               |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 3 (168 Hours)                                                                           | Manufacturer Standard Lead Time | 6 Weeks                                                                          |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Lead free / RoHS Compliant                                                              | EEPROM Size                     | 512 x 8                                                                          |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | AVR AVR® XMEGA® E5 Microcontroller IC 8/16-Bit 32MHz 16KB (8K x 16) FLASH 32-TQFP (7x7) | Data Converters                 | A/D 16x12b, D/A 2x12b                                                            |
| 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-MN</a><br>Description: IC MCU 8BIT 16KB FLASH 44VQFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATXMEGA192A3-AU</a><br>Description: IC MCU 8BIT 192KB FLASH 64TQFP | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATXMEGA16E5-AUR</a><br>Description: IC MCU 8BIT 16KB FLASH 32TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATXMEGA16E5-ANR</a><br>Description: IC MCU 8BIT 16KB FLASH 32TQFP  | 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="#">ATXMEGA16E5-MUR</a><br>Description: IC MCU 8BIT 16KB FLASH 32VQFN  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATXMEGA16E5-M4UR</a><br>Description: IC MCU 8BIT 16KB FLASH 32UQFN | 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="#">ATXMEGA16E5-M4N</a><br>Description: IC MCU 8BIT 16KB FLASH 32UQFN  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATXMEGA16E5-MN</a><br>Description: IC MCU 8BIT 16KB FLASH 32VQFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATXMEGA16E5-MU</a><br>Description: IC MCU 8BIT 16KB FLASH 32VQFN   | 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-CUR</a><br>Description: IC MCU 8BIT 16KB FLASH 49VFBGA | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATXMEGA16E5-M4U</a><br>Description: IC MCU 8BIT 16KB FLASH 32UQFN  | 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="#">ATXMEGA16E5-AN</a><br>Description: IC MCU 8BIT 16KB FLASH 32TQFP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATXMEGA16E5-MNR</a><br>Description: IC MCU 8BIT 16KB FLASH 32VQFN  | 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="#">ATXMEGA16D4-MNR</a><br>Description: IC MCU 8BIT 16KB FLASH 44VQFN  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATXMEGA16E5-M4NR</a><br>Description: IC MCU 8BIT 16KB FLASH 32UQFN | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |

Related keywords for ATXMEGA16E5-AU

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