

MICROCHIP

Micrel / Microchip Technology

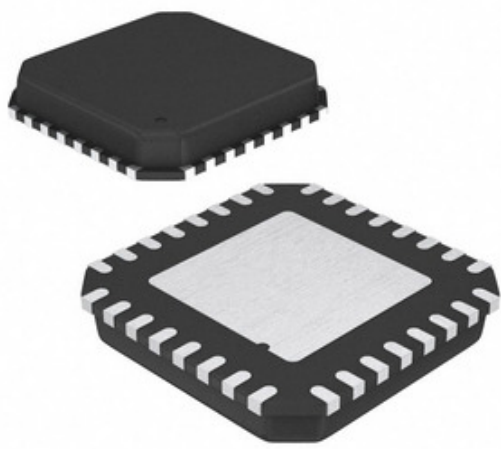


Image may be representation. See specifications for product details.

### ATXMEGA8E5-MNR

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | ATXMEGA8E5-MNR                                                                                               |
| Manufacturer/Brand: | Micrel / Microchip Technology                                                                                |
| Product description | IC MCU 8BIT 8KB FLASH 32VQFN                                                                                 |
|                     | <a href="#">PDF</a> 1.ATXMEGA8E5-MNR.pdf                                                                     |
|                     | <a href="#">PDF</a> 2.ATXMEGA8E5-MNR.pdf                                                                     |
|                     |  Lead free / RoHS Compliant |
| RoHs Status         |                                                                                                              |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

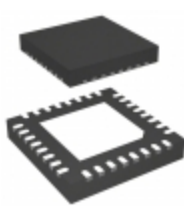
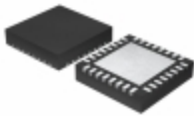
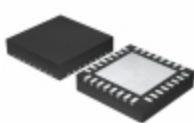
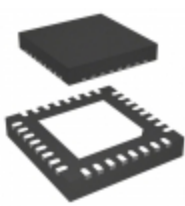
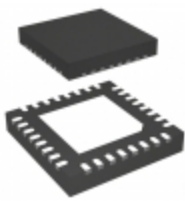
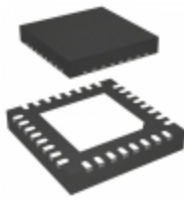
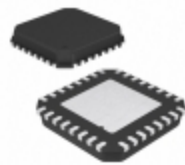
#### Specifications of ATXMEGA8E5-MNR

|                                  |                                                                                        |
|----------------------------------|----------------------------------------------------------------------------------------|
| PART NUMBER                      | ATXMEGA8E5-MNR                                                                         |
| MANUFACTURER                     | Micrel / Microchip Technology                                                          |
| DESCRIPTION                      | IC MCU 8BIT 8KB FLASH 32VQFN                                                           |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                             |
| DATA SHEET                       | <a href="#">PDF</a> 1.ATXMEGA8E5-MNR.pdf<br><a href="#">PDF</a> 2.ATXMEGA8E5-MNR.pdf   |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.6 V ~ 3.6 V                                                                          |
| SUPPLIER DEVICE PACKAGE          | 32-VQFN (5x5)                                                                          |
| SPEED                            | 32MHz                                                                                  |
| SERIES                           | AVR® XMEGA® E5                                                                         |
| RAM SIZE                         | 1K x 8                                                                                 |
| PROGRAM MEMORY TYPE              | FLASH                                                                                  |
| PROGRAM MEMORY SIZE              | 8KB (4K x 16)                                                                          |
| PERIPHERALS                      | Brown-out Detect/Reset, DMA, POR, PWM, WDT                                             |
| PACKAGING                        | Tape & Reel (TR)                                                                       |
| PACKAGE / CASE                   | 32-VFQFN Exposed Pad                                                                   |
| OTHER NAMES                      | ATXMEGA8E5-MNR-ND<br>ATXMEGA8E5-MNRTR                                                  |
| OSCILLATOR TYPE                  | Internal                                                                               |
| OPERATING TEMPERATURE            | -40°C ~ 105°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 8KB (4K x 16) FLASH 32-VQFN (5x5) |
| 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                 | ATXMEGA8                                                                               |

#### Related Tags

|                                              |                                        |                                                       |
|----------------------------------------------|----------------------------------------|-------------------------------------------------------|
| Micrel / Microchip Technology ATXMEGA8E5-MNR | ATXMEGA8E5-MNR Distributor             | ATXMEGA8E5-MNR Supplier                               |
| ATXMEGA8E5-MNR Price                         | ATXMEGA8E5-MNR Pictures                | ATXMEGA8E5-MNR Image                                  |
| ATXMEGA8E5-MNR PDF Datasheet                 | ATXMEGA8E5-MNR Download Datasheet      | ATXMEGA8E5-MNR Datasheet                              |
| ATXMEGA8E5-MNR Stock                         | Buy ATXMEGA8E5-MNR                     | Buy Micrel / Microchip Technology ATXMEGA8E5-MNR      |
| Micrel / Microchip Technology ATXMEGA8E5-MNR | Micrel / Microchip Technology Supplier | Micrel / Microchip Technology Distributor             |
| Micrel / Microchip Technology ATXMEGA8E5-MNR | Microchip Technology ATXMEGA8E5-MNR    | Roving Networks / Microchip Technology ATXMEGA8E5-MNR |

#### Related Products

|                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                      |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <div><b>ATXMEGA8E5-M4U</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 8KB FLASH 32UQFN<br/>In stock: 62 pcs<br/>RFQ</div>     |  <div><b>ATXMEGA8E5-MUR</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 8KB FLASH 32QFN<br/>In stock: Out stock<br/>RFQ</div>   |
|  <div><b>ATXMEGA8E5-MU</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 8KB FLASH 32QFN<br/>In stock: 30 pcs<br/>RFQ</div>       |  <div><b>ATXMEGA8E5-M4N</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 8KB FLASH 32UQFN<br/>In stock: Out stock<br/>RFQ</div>  |
|  <div><b>ATXMEGA8E5-MU</b><br/>Manufacturers: Microchip Technology<br/>Description: IC MCU 8BIT 8KB FLASH 32QFN<br/>In stock: 138 pcs<br/>RFQ</div>               |  <div><b>ATXMEGA8E5-MUR</b><br/>Manufacturers: Microchip Technology<br/>Description: IC MCU 8BIT 8KB FLASH 32QFN<br/>In stock: 38 pcs<br/>RFQ</div>               |
|  <div><b>ATXMEGAA3BU-XPLD</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: KIT EVAL FOR ATXMEGA256A3BU<br/>In stock: 80 pcs<br/>RFQ</div>    |  <div><b>ATXMEGA8E5-M4UR</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 8KB FLASH 32UQFN<br/>In stock: Out stock<br/>RFQ</div> |
|  <div><b>ATXMEGA8E5-M4NR</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 8KB FLASH 32UQFN<br/>In stock: Out stock<br/>RFQ</div> |  <div><b>ATXMEGA8E5-M4UR</b><br/>Manufacturers: Microchip Technology<br/>Description: IC MCU 8BIT 8KB FLASH 32UQFN<br/>In stock: Out stock<br/>RFQ</div>          |
|  <div><b>ATXMEGAA1U-XPRO</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: EVAL KIT FOR XMEGAA1U<br/>In stock: 43 pcs<br/>RFQ</div>           |  <div><b>ATXMEGA8E5-MN</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 8KB FLASH 32VQFN<br/>In stock: Out stock<br/>RFQ</div>   |