

ATXMEGA128B1-AN





Part Number: [ATXMEGA128B1-AN](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC MCU 8BIT 128KB FLASH 100TQFP

Data sheet:  [XMEGA B Manual](#)  
 [ATxmega128B1,64B1](#)

RoHs Status: Lead free / RoHS Compliant

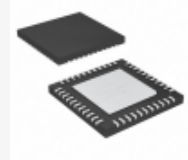
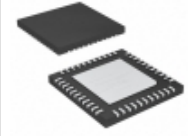
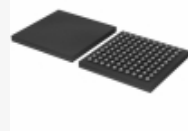
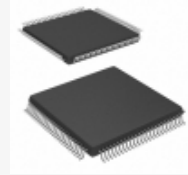
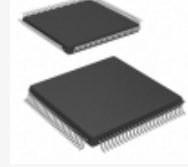
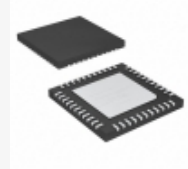
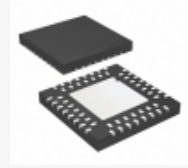
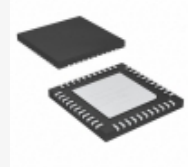
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Images are for reference only.  
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                 |                                |                                                                                              |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|--------------------------------|----------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | ATXMEGA128B1-AN                                 | Manufacturer                   | <a href="#">Micrel / Microchip Technology</a>                                                |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | IC MCU 8BIT 128KB FLASH 100TQFP                 | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                                   |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 4344 pcs                                        | Data sheet                     | <a href="#">XMEGA B Manual</a><br><a href="#">ATxmega128B1,64B1</a>                          |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <a href="#">Integrated Circuits (ICs)</a>       | Voltage - Supply (Vcc/Vdd)     | 1.6 V ~ 3.6 V                                                                                |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 100-TQFP (14x14)                                | Speed                          | 32MHz                                                                                        |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | AVR® XMEGA® B1                                  | RAM Size                       | 8K x 8                                                                                       |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | FLASH                                           | Program Memory Size            | 128KB (128K x 8)                                                                             |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Brown-out Detect/Reset, DMA, LCD, POR, PWM, WDT | Packaging                      | Tray                                                                                         |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 100-TQFP                                        | Oscillator Type                | Internal                                                                                     |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | -40°C ~ 105°C (TA)                              | Number of I/O                  | 53                                                                                           |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 3 (168 Hours)                                   | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                                   |
| EEPROM Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 2K x 8                                          | Detailed Description           | AVR AVR® XMEGA® B1 Microcontroller IC 8/16-Bit 32MHz 128KB (128K x 8) FLASH 100-TQFP (14x14) |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | A/D 16x12b                                      | Core Size                      | 8/16-Bit                                                                                     |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | AVR                                             | Connectivity                   | I <sup>2</sup> C, IrDA, SPI, UART/USART, USB                                                 |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | ATXMEGA128                                      |                                |                                                                                              |
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| RELATED PRODUCTS                                                                   |                                                                                         |                                                              |                |
|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|--------------------------------------------------------------|----------------|
|  | Part#: <a href="#">ATXMEGA128B3-AU</a><br>Description: IC MCU 8BIT 128KB FLASH 64TQFP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATXMEGA128A4U-MH</a><br>Description: IC MCU 8BIT 128KB FLASH 44VQFN  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATXMEGA128A4U-MN</a><br>Description: IC MCU 8BIT 128KB FLASH 44QFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATXMEGA128B1-CUR</a><br>Description: IC MCU 8BIT 128KB FLASH 100CBGA | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATXMEGA128A4U-W</a><br>Description: IC MCU 8BIT 128KB FLASH WAFER    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATXMEGA128B1-ANR</a><br>Description: IC MCU 8BIT 128KB FLASH 100TQFP | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATXMEGA128A4U-AU</a><br>Description: IC MCU 8BIT 128KB FLASH 44TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATXMEGA128B3-AN</a><br>Description: IC MCU 8BIT 128KB FLASH 100TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATXMEGA128A4U-AUR</a><br>Description: IC MCU 8BIT 128KB FLASH 44TQFP | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATXMEGA128A4U-AN</a><br>Description: IC MCU 8BIT 128KB FLASH 44TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATXMEGA128B1-AU</a><br>Description: IC MCU 8BIT 128KB FLASH 100TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATXMEGA128B1-AUR</a><br>Description: IC MCU 8BIT 128KB FLASH 100TQFP | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATXMEGA128B3-AUR</a><br>Description: IC MCU 8BIT 128KB FLASH 44TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATXMEGA128A4U-MHR</a><br>Description: IC MCU 8BIT 128KB FLASH 44QFN  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATXMEGA128A4U-ANR</a><br>Description: IC MCU 8BIT 128KB FLASH 44TQFP | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATXMEGA128B3-MCU</a><br>Description: IC MCU 8BIT 128KB FLASH 64VQFN  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATXMEGA128A4U-CU</a><br>Description: IC MCU 8BIT 128KB FLASH 49VFBGA | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATXMEGA128A4U-MNR</a><br>Description: IC MCU 8BIT 128KB FLASH 44QFN  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATXMEGA128B3-ANR</a><br>Description: IC MCU 8BIT 128KB FLASH 100TQFP | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATXMEGA128B1-CU</a><br>Description: IC MCU 8BIT 128KB FLASH 100CBGA  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |

Related keywords for ATXMEGA128B1-AN

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