

Image may be representation.  
See specifications for product details.



## ATXMEGA128B1-AUR

Manufacturer Part Number	<b>ATXMEGA128B1-AUR</b>
Manufacturer	<b>Microchip Technology</b>
Allelco Part Number	32D-ATXMEGA128B1-AUR
ECAD Model	Request Free CAD Models
Parts Description	IC MCU 8/16B 128KB FLASH 100TQFP
Package	100-TQFP
Data sheet	<a href="#">ATxmega128B1,64B1.pdf</a> <a href="#">XMEGA Appl Note.pdf</a>
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

ATXMEGA128B1-AUR - Microchip Technology. New Original in Stock. Download Linear Technology ATXMEGA128B1-AUR datasheet/specifications on AllelcoElec.com. Request a quote for ATXMEGA128B1-AUR, please send us email: [info@allelco.com](mailto:info@allelco.com)

## Specifications

ATXMEGA128B1-AUR Tech Specifications  
ATXMEGA128B1-AUR - Microchip Technology technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Microchip Technology	Oscillator Type	Internal
Voltage - Supply (Vcc/Vdd)	1.6V ~ 3.6V	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package	100-TQFP (14x14)	Number of I/O	53
Speed	32MHz	Mounting Type	Surface Mount
Series	AVR® XMEGA® B1	EEPROM Size	2K x 8
RAM Size	8K x 8	Data Converters	A/D 16x12b
Program Memory Type	FLASH	Core Size	8/16-Bit
Program Memory Size	128KB (128K x 8)	Core Processor	AVR
Peripherals	Brown-out Detect/Reset, DMA, LCD, POR, PWM, WDT	Connectivity	I <sup>2</sup> C, IrDA, SPI, UART/USART, USB
Package / Case	100-TQFP	Base Product Number	ATXMEGA128
Package	Tape & Reel (TR)		

## Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology ATXMEGA128B1-AUR

Product Attribute				
Part Number	ATXMEGA128B1-AUR	<a href="#">ATXMEGA128A3U-AU</a>	<a href="#">ATXMEGA128B1-CU</a>	<a href="#">ATXMEGA128A3U-MH</a>
Manufacturer	Microchip Technology	Microchip Technology	Atmel	Microchip Technology
RAM Size	8K x 8	8K x 8	8K x 8	8K x 8
Core Size	8/16-Bit	8/16-Bit	8/16-Bit	8/16-Bit
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Package	Tape & Reel (TR)	Tray	Bulk	Tray
Peripherals	Brown-out Detect/Reset, DMA, LCD, POR, PWM, WDT	Brown-out Detect/Reset, DMA, POR, PWM, WDT	Brown-out Detect/Reset, DMA, LCD, POR, PWM, WDT	Brown-out Detect/Reset, DMA, POR, PWM, WDT
Supplier Device Package	100-TQFP (14x14)	64-TQFP (14x14)	100-VFBGA (7x7)	64-QFN (9x9)
Number of I/O	53	50	53	50
Base Product Number	ATXMEGA128	ATXMEGA128	ATXMEGA128	ATXMEGA128
Oscillator Type	Internal	Internal	Internal	Internal
Series	AVR® XMEGA® B1	AVR® XMEGA® A3U	AVR® XMEGA® B1	AVR® XMEGA® A3U
Speed	32MHz	32MHz	32MHz	32MHz
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Voltage - Supply (Vcc/Vdd)	1.6V ~ 3.6V	1.6V ~ 3.6V	1.6V ~ 3.6V	1.6V ~ 3.6V
Connectivity	I <sup>2</sup> C, IrDA, SPI, UART/USART, USB	I <sup>2</sup> C, IrDA, SPI, UART/USART, USB	I <sup>2</sup> C, IrDA, SPI, UART/USART, USB	I <sup>2</sup> C, IrDA, SPI, UART/USART, USB
Program Memory Size	128KB (128K x 8)	128KB (64K x 16)	128KB (128K x 8)	128KB (64K x 16)
Data Converters	A/D 16x12b	A/D 16x12b; D/A 2x12b	A/D 16x12b	A/D 16x12b; D/A 2x12b
Package / Case	100-TQFP	64-TQFP	100-VFBGA	64-VFQFN Exposed Pad
Core Processor	AVR	AVR	AVR	AVR
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
EEPROM Size	2K x 8	2K x 8	2K x 8	2K x 8

## ATXMEGA128B1-AUR Datasheet PDF

Download ATXMEGA128B1-AUR pdf datasheets and Microchip Technology documentation for ATXMEGA128B1-AUR - Microchip Technology.

### PCN Design/Specification

[Marking Chgs 11/Jul/2017.pdf](#)

[Carrier Tape 07/Feb/2017.pdf](#)

### PCN Assembly/Origin

2.73KHz.pdf

### PCN Part Number

SL Code Number Update 25/Oct/2016.pdf

### HTML Datasheet

ATxmega128B1,64B1.pdf

XMEGA Appl Note.pdf

### PCN Packaging

Carrier Tape 12/Apr/2017.pdf

Carrier Tape Update 7/Feb/2017.pdf

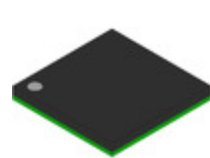
## Customers Also Interested in

### Recommended Products



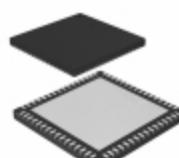
#### ATXMEGA128A3U-AU

Microchip Technology  
IC MCU 8/16BIT 128KB FLSH  
64TQFP



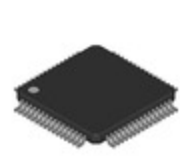
#### ATXMEGA128B1-CU

Atmel  
IC MCU 8/16B 128KB FLASH  
100CBGA



#### ATXMEGA128A3U-MH

Microchip Technology  
IC MCU 8/16BIT 128KB FLASH  
64QFN



#### ATXMEGA128B3-AU

Atmel  
IC MCU 8/16BIT 128KB FLSH  
64TQFP



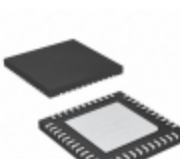
#### ATXMEGA128A4U-AN

Microchip Technology  
IC MCU 8/16BIT 128KB FLSH  
44TQFP



#### ATXMEGA128D3-AU

Microchip Technology  
IC MCU 8/16BIT 128KB FLSH  
64TQFP



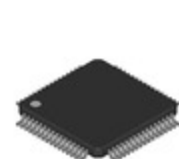
#### ATXMEGA128A4U-MH

Microchip Technology  
IC MCU 8/16BIT 128KB FLSH  
44VQFN



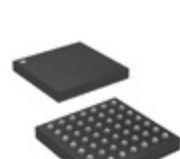
#### ATXMEGA128A4U-AUR

Microchip Technology  
IC MCU 8/16BIT 128KB FLSH  
44TQFP



#### ATXMEGA128A3U-AU

Atmel  
IC MCU 8/16BIT 128KB FLSH  
64TQFP



#### ATXMEGA128A4U-CU

Microchip Technology  
IC MCU 8/16B 128KB FLASH  
49VFBGA



#### ATXMEGA128B1-AU

Microchip Technology  
IC MCU 8/16B 128KB FLASH  
100TQFP



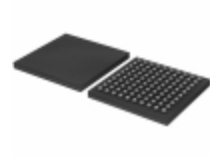
#### ATXMEGA128A4U-AU

Atmel  
IC MCU 8/16BIT 128KB FLSH  
44TQFP



#### ATXMEGA128B3-AU

Microchip Technology  
IC MCU 8/16BIT 128KB FLSH  
64TQFP



#### ATXMEGA128B1-CU

Microchip Technology  
IC MCU 8/16B 128KB FLASH  
100CBGA



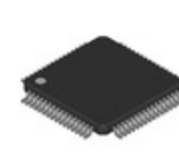
#### ATXMEGA128A4U-AU

Microchip Technology  
IC MCU 8/16BIT 128KB FLSH  
44TQFP



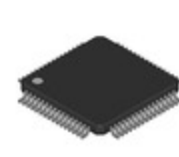
#### ATXMEGA128C3-AU

Microchip Technology  
IC MCU 8/16BIT 128KB FLSH  
64TQFP



#### ATXMEGA128D3-AU

Atmel  
IC MCU 8/16BIT 128KB FLSH  
64TQFP



#### ATXMEGA128D3-AUR

Atmel  
IC MCU 8/16BIT 128KB FLSH  
64TQFP

## Shipment

### Delivery Time

In-stock items can be shipped within 24 hours. Some parts will be arranged for delivery within 1-2 days from the date all items arrive at our warehouse. And Alleco ships order once a day at about 17:00, except Sunday. Once the goods are shipped, the estimated delivery time depends on the shipping methods and Delivery destination. The table below shows are the logistic time for some common countries.

### Delivery Cost

- > Use your express account for shipment if you have one.
  - > Use our account for the shipment. Refer to the table below for the approximate charges.
- (Different time frame / countries / package size has different price.)

### Delivery Method

- > Global Common Shipment by DHL / UPS / FedEx / TNT / EMS / SF we support.
- > Others more shipping ways, please get in touch with your customer manager.

Common Countries Logistic Time Reference

Region	Country	Logistic Time(Day)
America	United States	5
	Brazil	7
Europe	Germany	5
	United Kingdom	4
	Italy	5
Oceania	Australia	6
	New Zealand	7
Asia	India	6
	Japan	7
Middle East	Israel	6

DHL & FedEx Shipment Charges Reference

Shipment charges(KG)	Reference DHL(USD\$)
0.00kg-1.00kg	USD\$60.00
1.00kg-2.00kg	USD\$70.00
2.00kg-3.00kg	USD\$80.00

Note: The above table is for reference only. There may have some data bias for the uncontrollable factors. Contact us if you have any questions.

### Payment Support

The payment method can be chosen from the methods shown below:  
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



### Your Faithful Supply Chain Partner -

- Efficient Supply Management
- Cost-Saving Procurement
- Fast Sourcing & Delivery

Contact us if you have any questions.

- Phone: +00852 9146 4856
- Email: info@alleco.com

### Certifications & Memberships



View More

Contact us

Address: Flat/Rm C 13/F Harvard Commercial Building 105-111 Thomson Road, Wan Chai, Hong Kong

Phone: +00852 9146 4856

Fax: +00852 3010 8510

Email: [info@allelco.com](mailto:info@allelco.com)

