




ATXMEGA128A1U-AU

Manufacturer Part Number	ATXMEGA128A1U-AU
Manufacturer	Atmel
Allelco Part Number	32D-ATXMEGA128A1U-AU
ECAD Model	 PCB Symbol, Footprint & 3D Model
Parts Description	IC MCU 8/16B 128KB FLASH 100TQFP
Package	100-TQFP
Data sheet	ATXMEGA128A1U-AU.pdf



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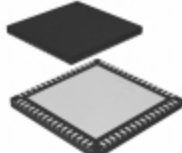
Specifications

ATXMEGA128A1U-AU Tech Specifications
ATXMEGA128A1U-AU - Atmel technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Atmel	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	78
Speed	32MHz	Mounting Type	Surface Mount
Series	AVR® XMEGA® A1U	EEPROM Size	2K x 8
RAM Size	8K x 8	Data Converters	A/D 16x12b; D/A 4x12b
Program Memory Type	FLASH	Core Size	8/16-Bit
Program Memory Size	128KB (64K x 16)	Core Processor	AVR
Peripherals	Brown-out Detect/Reset, DMA, POR, PWM, WDT	Connectivity	EBI/EMI, I²C, IrDA, SPI, UART/USART, USB
Package / Case	100-TQFP	Base Product Number	ATXMEGA128
Package	Bulk		

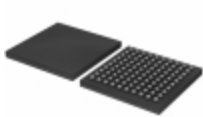
Parts with Similar Specifications

The three parts on the right have similar specifications to Atmel ATXMEGA128A1U-AU

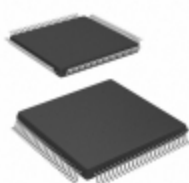
Product Attribute	 NO PICTURE			
Part Number	ATXMEGA128A1U-AU	ATXMEGA128A1-CU	ATXMEGA128A1U-AN	ATXMEGA128A3-MHR
Manufacturer	Atmel	Microchip Technology	Microchip Technology	Microchip Technology
Core Processor	AVR	AVR	AVR	AVR
Data Converters	A/D 16x12b; D/A 4x12b	A/D 16x12b; D/A 4x12b	A/D 16x12b; D/A 4x12b	A/D 16x12b; D/A 2x12b
Supplier Device Package	100-TQFP (14x14)	100-CBGA (9x9)	100-TQFP (14x14)	64-QFN (9x9)
Number of I/O	78	78	78	50
Connectivity	EBI/EMI, I²C, IrDA, SPI, UART/USART, USB	EBI/EMI, I²C, IrDA, SPI, UART/USART	EBI/EMI, I²C, IrDA, SPI, UART/USART, USB	I²C, IrDA, SPI, UART/USART
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Voltage - Supply (Vcc/Vdd)	1.6V ~ 3.6V	1.6V ~ 3.6V	1.6V ~ 3.6V	1.6V ~ 3.6V
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 105°C (TA)	-40°C ~ 85°C (TA)
Oscillator Type	Internal	Internal	Internal	Internal
Series	AVR® XMEGA® A1U	AVR® XMEGA® A1	AVR® XMEGA® A1U	AVR® XMEGA® A3
Core Size	8/16-Bit	8/16-Bit	8/16-Bit	8/16-Bit
Peripherals	Brown-out Detect/Reset, DMA, POR, PWM, WDT	Brown-out Detect/Reset, DMA, POR, PWM, WDT	Brown-out Detect/Reset, DMA, POR, PWM, WDT	Brown-out Detect/Reset, DMA, POR, PWM, WDT
EEPROM Size	2K x 8	2K x 8	2K x 8	2K x 8
Base Product Number	ATXMEGA128	ATXMEGA128	ATXMEGA128	ATXMEGA128
RAM Size	8K x 8	8K x 8	8K x 8	8K x 8
Program Memory Size	128KB (64K x 16)	128KB (64K x 16)	128KB (64K x 16)	128KB (64K x 16)
Package	Bulk	Tray	Tray	Tape & Reel (TR)
Speed	32MHz	32MHz	32MHz	32MHz
Package / Case	100-TQFP	100-TFBGA	100-TQFP	64-VFQFN Exposed Pad
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount

Customers Also Interested in

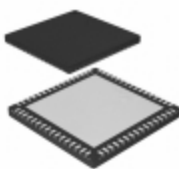
Recommended Products



ATXMEGA128A1-CU
Microchip Technology
IC MCU 8/16B 128KB FLASH
100CBGA



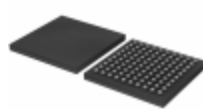
ATXMEGA128A1U-AN
Microchip Technology
IC MCU 8/16B 128KB FLASH
100TQFP



ATXMEGA128A3-MHR
Microchip Technology
IC MCU 8/16BIT 128KB FLASH
64QFN



ATXMEGA128A3-AU
Microchip Technology
IC MCU 8/16BIT 128KB FLSH
64TQFP



ATXMEGA128A1U-CU
Microchip Technology
IC MCU 8/16B 128KB FLASH
100CBGA



ATXMEGA128A3
Atmel (Microchip Technology)



ATXMEGA128A1U-CUR

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



ATXMEGA128A1-AU

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



ATXMEGA128A3-MHR

Atmel
IC MCU 8/16BIT 128KB FLASH
64QFN



ATXMEGA128A3-MH

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



ATX209SA

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ATXMEGA128A1U-U-TW

Atmel (Microchip Technology)



ATX223

Panasonic



ATX201SA

NAIS



ATXMEGA128A1U-AU

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



ATXMEGA128A3U-AU

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



ATXD201

Panasonic



ATX229

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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 Allelco 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.









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Certifications & Memberships



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