

Image may be representation.  
See specifications for product details.



## ATXMEGA64A3U-AU

Manufacturer Part Number	<b>ATXMEGA64A3U-AU</b>
Manufacturer	<b>Atmel</b>
Allelco Part Number	32D-ATXMEGA64A3U-AU
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IC MCU 8/16BIT 64KB FLASH 64TQFP
Package	64-TQFP
Data sheet	ATXMEGA64A3U-AU.pdf

**Get a Quote**

ATXMEGA64A3U-AU - Atmel.New Original in Stock. Download Linear Technology ATXMEGA64A3U-AU datasheet/specifications on AllelcoElec.com.  
Request a quote for ATXMEGA64A3U-AU, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

ATXMEGA64A3U-AU Tech Specifications  
ATXMEGA64A3U-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	64-TQFP (14x14)	Number of I/O	50
Speed	32MHz	Mounting Type	Surface Mount
Series	AVR® XMEGA® A3U	EEPROM Size	2K x 8
RAM Size	4K x 8	Data Converters	A/D 16x12b; D/A 2x12b
Program Memory Type	FLASH	Core Size	8/16-Bit
Program Memory Size	64KB (32K x 16)	Core Processor	AVR
Peripherals	Brown-out Detect/Reset, DMA, POR, PWM, WDT	Connectivity	I <sup>2</sup> C, IrDA, SPI, UART/USART, USB
Package / Case	64-TQFP	Base Product Number	ATXMEGA64
Package	Bulk		

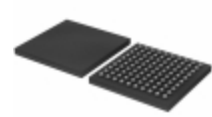
### Parts with Similar Specifications

The three parts on the right have similar specifications to Atmel ATXMEGA64A3U-AU

Product Attribute				
Part Number	ATXMEGA64A3U-AU	ATXMEGA64A1U-CU	ATXMEGA64A1U-AU	ATXMEGA64A1-AU
Manufacturer	Atmel	Microchip Technology	Microchip Technology	Microchip Technology
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Data Converters	A/D 16x12b; D/A 2x12b	A/D 16x12b; D/A 4x12b	A/D 16x12b; D/A 4x12b	A/D 16x12b; D/A 4x12b
RAM Size	4K x 8	4K x 8	4K x 8	4K x 8
Supplier Device Package	64-TQFP (14x14)	100-CBGA (9x9)	100-TQFP (14x14)	100-TQFP (14x14)
Program Memory Size	64KB (32K x 16)	64KB (32K x 16)	64KB (32K x 16)	64KB (32K x 16)
Series	AVR® XMEGA® A3U	AVR® XMEGA® A1U	AVR® XMEGA® A1U	AVR® XMEGA® A1
Number of I/O	50	78	78	78
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
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Speed	32MHz	32MHz	32MHz	32MHz
Package	Bulk	Tray	Tray	Tray
Core Size	8/16-Bit	8/16-Bit	8/16-Bit	8/16-Bit
Oscillator Type	Internal	Internal	Internal	Internal
Package / Case	64-TQFP	100-TFBGA	100-TQFP	100-TQFP
Core Processor	AVR	AVR	AVR	AVR
EEPROM Size	2K x 8	2K x 8	2K x 8	2K x 8
Base Product Number	ATXMEGA64	ATXMEGA64	ATXMEGA64	ATXMEGA64
Voltage - Supply (Vcc/Vdd)	1.6V ~ 3.6V	1.6V ~ 3.6V	1.6V ~ 3.6V	1.6V ~ 3.6V
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Connectivity	I <sup>2</sup> C, IrDA, SPI, UART/USART, USB	EBI/EMI, I <sup>2</sup> C, IrDA, SPI, UART/USART	EBI/EMI, I <sup>2</sup> C, IrDA, SPI, UART/USART	EBI/EMI, I <sup>2</sup> C, IrDA, SPI, UART/USART

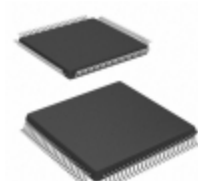
### Customers Also Interested in

#### Recommended Products



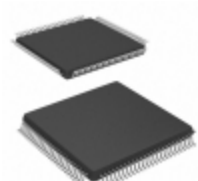
**ATXMEGA64A1U-CU**

Microchip Technology  
IC MCU 8/16BIT 64KB FLSH  
100CBGA



**ATXMEGA64A1U-AU**

Microchip Technology  
IC MCU 8/16BIT 64KB FLSH  
100TQFP



**ATXMEGA64A1-AU**

Microchip Technology  
IC MCU 8/16BIT 64KB FLSH  
100TQFP



**ATXMEGA64A3-AU**

Microchip Technology  
IC MCU 8/16BIT 64KB FLASH  
64TQFP



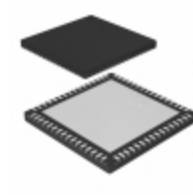
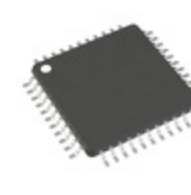
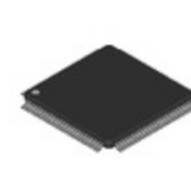
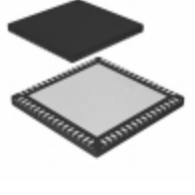
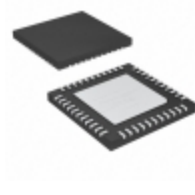
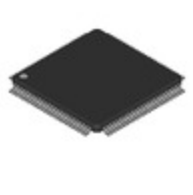
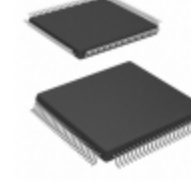
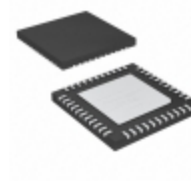
**ATXMEGA64A1-AUR**

Atmel  
IC MCU 8/16BIT 64KB FLSH  
100TQFP



**ATXMEGA64B1-AU**

Microchip Technology  
IC MCU 8/16BIT 64KB FLSH  
100TQFP

**ATXMEGA64B1-AUR**Microchip Technology  
IC MCU 8/16BIT 64KB FLSH  
100TQFP**ATXMEGA64A4U-AUR**Microchip Technology  
IC MCU 8/16BIT 64KB FLASH  
44TQFP**ATXMEGA64A3U-AU**Microchip Technology  
IC MCU 8/16BIT 64KB FLASH  
64TQFP**ATXMEGA64A3U-MHR**Microchip Technology  
IC MCU 8/16BIT 64KB FLASH 64QFN**ATXMEGA64A4U-AU**Microchip Technology  
IC MCU 8/16BIT 64KB FLASH  
44TQFP**ATXMEGA64B1-AU**Atmel  
IC MCU 8/16BIT 64KB FLSH  
100TQFP**ATXMEGA64A3-MH**Microchip Technology  
IC MCU 8/16BIT 64KB FLASH 64QFN**ATXMEGA64A4U-MHR**Microchip Technology  
IC MCU 8/16BIT 64KB FLASH  
44VQFN**ATXMEGA64A1-AU**Atmel  
IC MCU 8/16BIT 64KB FLSH  
100TQFP**ATXMEGA64A3U-AUR**Microchip Technology  
IC MCU 8/16BIT 64KB FLASH  
64TQFP**ATXMEGA64A1-AUR**Microchip Technology  
IC MCU 8/16BIT 64KB FLSH  
100TQFP**ATXMEGA64A4U-MH**Microchip Technology  
IC MCU 8/16BIT 64KB FLASH  
44VQFN

## 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.

- Phone  
+00852 9146 4856
- Email  
info@allelco.com

## Certifications & Memberships



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