



Image may be representation.
See specifications for product details.



ATXMEGA64A4U-AUR

Manufacturer Part Number	ATXMEGA64A4U-AUR
Manufacturer	Microchip Technology
Allelco Part Number	32D-ATXMEGA64A4U-AUR
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IC MCU 8/16BIT 64KB FLASH 44TQFP
Package	44-TQFP
Data sheet	Cylindrical Battery Holders.pdf XMEGA AU Manual.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

ATXMEGA64A4U-AUR - Microchip Technology. New Original in Stock. Download Linear Technology ATXMEGA64A4U-AUR datasheet/specifications on AllelcoElec.com. Request a quote for ATXMEGA64A4U-AUR, please send us email: info@allelco.com

Specifications

ATXMEGA64A4U-AUR Tech Specifications
ATXMEGA64A4U-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	44-TQFP (10x10)	Number of I/O	34
Speed	32MHz	Mounting Type	Surface Mount
Series	AVR® XMEGA® A4U	EEPROM Size	2K x 8
RAM Size	4K x 8	Data Converters	A/D 12x12b; 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 ² C, IrDA, SPI, UART/USART, USB
Package / Case	44-TQFP	Base Product Number	ATXMEGA64
Package	Tape & Reel (TR)		

Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology ATXMEGA64A4U-AUR

Product Attribute				
Part Number	ATXMEGA64A4U-AUR	ATXMEGA64B3-AU	ATXMEGA64A4U-AU	ATXMEGA64A1-AUR
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Atmel
Oscillator Type	Internal	Internal	Internal	Internal
Core Processor	AVR	AVR	AVR	AVR
RAM Size	4K x 8	4K x 8	4K x 8	4K x 8
Connectivity	I ² C, IrDA, SPI, UART/USART, USB	I ² C, IrDA, SPI, UART/USART, USB	I ² C, IrDA, SPI, UART/USART, USB	EBI/EMI, I ² C, IrDA, SPI, UART/USART
Speed	32MHz	32MHz	32MHz	32MHz
Series	AVR® XMEGA® A4U	AVR® XMEGA® B3	AVR® XMEGA® A4U	AVR® XMEGA® A1
Package	Tape & Reel (TR)	Tray	Tray	Bulk
Core Size	8/16-Bit	8/16-Bit	8/16-Bit	8/16-Bit
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
Package / Case	44-TQFP	64-TQFP	44-TQFP	100-TQFP
Peripherals	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	Brown-out Detect/Reset, DMA, POR, PWM, WDT
Supplier Device Package	44-TQFP (10x10)	64-TQFP (14x14)	44-TQFP (10x10)	100-TQFP (14x14)
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Program Memory Size	64KB (32K x 16)	64KB (32K x 16)	64KB (32K x 16)	64KB (32K x 16)
Number of I/O	34	36	34	78
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Data Converters	A/D 12x12b; D/A 2x12b	A/D 8x12b	A/D 12x12b; D/A 2x12b	A/D 16x12b; D/A 4x12b
EEPROM Size	2K x 8	2K x 8	2K x 8	2K x 8
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount

ATXMEGA64A4U-AUR Datasheet PDF

Download ATXMEGA64A4U-AUR pdf datasheets and Microchip Technology documentation for ATXMEGA64A4U-AUR - Microchip Technology.

Datasheets

XMEGA AU Manual.pdf

PCN Packaging

Boxes 07/Dec/2016.pdf

XMEGA D4/D3/A4U Packaging Update
11/Sep/2014.pdf

PCN Design/Specification

Marking Chgs 11/Jul/2017.pdf

ATXmega128/64/32/16A4U 08/May/2020.pdf

PCN Assembly/Origin

2.73KHz.pdf

Errata

2.73KHz.pdf

HTML Datasheet

Cylindrical Battery Holders.pdf

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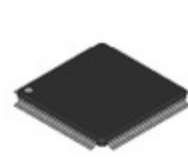
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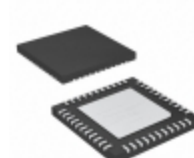
ATXMEGA64B3-AU
Microchip Technology
IC MCU 8/16BIT 64KB FLASH
64TQFP



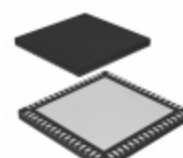
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Microchip Technology
IC MCU 8/16BIT 64KB FLASH
44TQFP



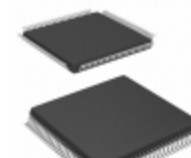
ATXMEGA64A1-AUR
Atmel
IC MCU 8/16BIT 64KB FLSH
100TQFP



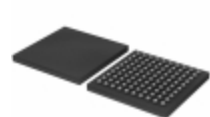
ATXMEGA64A4U-MHR
Microchip Technology
IC MCU 8/16BIT 64KB FLASH
44VQFN



ATXMEGA64B3-MH
Microchip Technology
IC MCU 8/16BIT 64KB FLASH 64QFN



ATXMEGA64A1U-AU
Microchip Technology
IC MCU 8/16BIT 64KB FLSH
100TQFP



ATXMEGA64B1-CU
Microchip Technology
IC MCU 8/16BIT 64KB FLSH
100CBGA



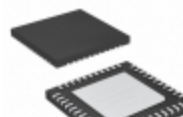
ATXMEGA64C3-AUR
Microchip Technology
IC MCU 8/16BIT 64KB FLASH
64TQFP



ATXMEGA64B1-AU
Microchip Technology
IC MCU 8/16BIT 64KB FLSH
100TQFP



ATXMEGA64B1-AUR
Microchip Technology
IC MCU 8/16BIT 64KB FLSH
100TQFP



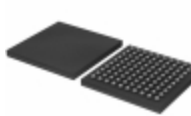
ATXMEGA64A4U-MH
Microchip Technology
IC MCU 8/16BIT 64KB FLASH
44VQFN



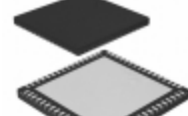
ATXMEGA64A3U-AUR
Microchip Technology
IC MCU 8/16BIT 64KB FLASH
64TQFP



ATXMEGA64A3U-AU
Atmel
IC MCU 8/16BIT 64KB FLASH
64TQFP



ATXMEGA64A1U-CU
Microchip Technology
IC MCU 8/16BIT 64KB FLSH
100CBGA



ATXMEGA64A3-MH
Microchip Technology
IC MCU 8/16BIT 64KB FLASH 64QFN



ATXMEGA64B1-CU
Atmel
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100CBGA



ATXMEGA64A3U-AU
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64TQFP



ATXMEGA64B1-AU
Atmel
IC MCU 8/16BIT 64KB FLSH
100TQFP

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



View More

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