

Image may be representation.
See specifications for product details.



ATXMEGA32A4U-CU

Manufacturer Part Number	ATXMEGA32A4U-CU
Manufacturer	Microchip Technology
Allelco Part Number	32D-ATXMEGA32A4U-CU
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IC MCU 8/16BIT 32KB FLSH 49VFBGA
Package	49-VFBGA
Data sheet	Cylindrical Battery Holders.pdf XMEGA AU Manual.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

ATXMEGA32A4U-CU - Microchip Technology. New Original in Stock. Download Linear Technology ATXMEGA32A4U-CU datasheet/specifications on AllelcoElec.com. Request a quote for ATXMEGA32A4U-CU, please send us email: info@allelco.com

Specifications

ATXMEGA32A4U-CU Tech Specifications
ATXMEGA32A4U-CU - 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	49-VFBGA (5x5)	Number of I/O	34
Speed	32MHz	Mounting Type	Surface Mount
Series	AVR® XMEGA® A4U	EEPROM Size	1K 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	32KB (16K 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	49-VFBGA	Base Product Number	ATXMEGA32
Package	Tray		

Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology ATXMEGA32A4U-CU

Product Attribute				
Part Number	ATXMEGA32A4U-CU	ATXMEGA32A4-MHR	ATXMEGA32C4-CU	ATXMEGA32A4U-AUR
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Series	AVR® XMEGA® A4U	AVR® XMEGA® A4	AVR® XMEGA® C4	AVR® XMEGA® A4U
Number of I/O	34	34	34	34
EEPROM Size	1K x 8	1K x 8	1K x 8	1K x 8
Data Converters	A/D 12x12b; D/A 2x12b	A/D 12x12b; D/A 2x12b	A/D 16x12b	A/D 12x12b; D/A 2x12b
RAM Size	4K x 8	4K x 8	4K x 8	4K x 8
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
Program Memory Size	32KB (16K x 16)	32KB (16K x 16)	32KB (16K x 16)	32KB (16K x 16)
Voltage - Supply (Vcc/Vdd)	1.6V ~ 3.6V	1.6V ~ 3.6V	1.6V ~ 3.6V	1.6V ~ 3.6V
Package / Case	49-VFBGA	44-VQFN Exposed Pad	49-VFBGA	44-TQFP
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Oscillator Type	Internal	Internal	Internal	Internal
Peripherals	Brown-out Detect/Reset, DMA, POR, PWM, WDT	Brown-out Detect/Reset, DMA, POR, PWM, WDT	Brown-out Detect/Reset, POR, PWM, WDT	Brown-out Detect/Reset, DMA, POR, PWM, WDT
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Connectivity	I ² C, IrDA, SPI, UART/USART, USB	I ² C, IrDA, SPI, UART/USART	I ² C, IrDA, SPI, UART/USART, USB	I ² C, IrDA, SPI, UART/USART, USB
Package	Tray	Tape & Reel (TR)	Tray	Tape & Reel (TR)
Base Product Number	ATXMEGA32	ATXMEGA32	ATXMEGA32	ATXMEGA32
Core Size	8/16-Bit	8/16-Bit	8/16-Bit	8/16-Bit
Core Processor	AVR	AVR	AVR	AVR
Supplier Device Package	49-VFBGA (5x5)	44-VQFN (7x7)	49-VFBGA (5x5)	44-TQFP (10x10)

ATXMEGA32A4U-CU Datasheet PDF

Download ATXMEGA32A4U-CU pdf datasheets and Microchip Technology documentation for ATXMEGA32A4U-CU - Microchip Technology.

Datasheets

[XMEGA AU Manual.pdf](#)

PCN Packaging

[MBB/Label Chgs 16/Nov/2018.pdf](#)

[Boxes 07/Dec/2016.pdf](#)

PCN Design/Specification



Marking Chgs 11/Jul/2017.pdf



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

Errata



2.73KHz.pdf

HTML Datasheet



Cylindrical Battery Holders.pdf

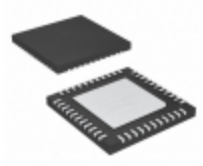
PCN Part Number



SL Code Number Update 25/Oct/2016.pdf

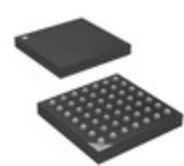
Customers Also Interested in

Recommended Products



ATXMEGA32A4-MHR

Microchip Technology
IC MCU 8/16BIT 32KB FLASH
44VQFN



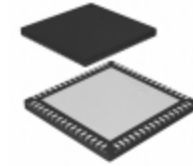
ATXMEGA32C4-CU

Microchip Technology
IC MCU 8/16BIT 32KB FLSH
49VFBGA



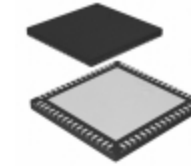
ATXMEGA32A4U-AUR

Microchip Technology
IC MCU 8/16BIT 32KB FLASH
44TQFP



ATXMEGA32C3-MH

Microchip Technology
IC MCU 8/16BIT 32KB FLASH 64QFN



ATXMEGA32C3-MHR

Microchip Technology
IC MCU 8/16BIT 32KB FLASH 64QFN



ATXMEGA32A4U-AU

Atmel
IC MCU 8/16BIT 32KB FLASH
44TQFP



ATXMEGA32C3-AU

Microchip Technology
IC MCU 8/16BIT 32KB FLASH
64TQFP



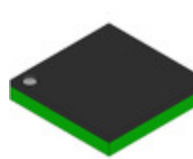
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Atmel
IC MCU 8/16BIT 32KB FLASH
44VQFN



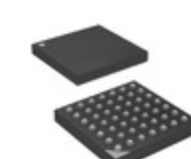
ATXMEGA32A4U-AN

Microchip Technology
IC MCU 8/16BIT 32KB FLASH
44TQFP



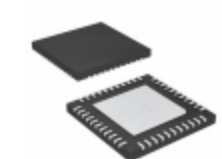
ATXMEGA32A4-CU

Atmel
IC MCU 8/16BIT 32KB FLSH
49VFBGA



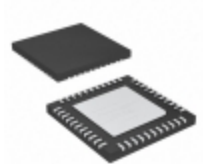
ATXMEGA32A4-CUR

Microchip Technology
IC MCU 8/16BIT 32KB FLSH
49VFBGA



ATXMEGA32A4U-MHR

Microchip Technology
IC MCU 8/16BIT 32KB FLASH
44VQFN



ATXMEGA32C4-MHR

Microchip Technology
IC MCU 8/16BIT 32KB FLASH
44VQFN



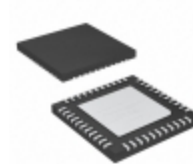
ATXMEGA32A4-AU

Microchip Technology
IC MCU 8/16BIT 32KB FLASH
44TQFP



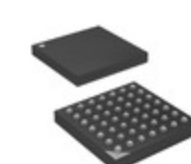
ATXMEGA32C4-AUR

Microchip Technology
IC MCU 8/16BIT 32KB FLASH
44TQFP



ATXMEGA32A4-MH

Microchip Technology
IC MCU 8/16BIT 32KB FLASH
44VQFN



ATXMEGA32A4-CU

Microchip Technology
IC MCU 8/16BIT 32KB FLSH
49VFBGA



ATXMEGA32C4-AU

Microchip Technology
IC MCU 8/16BIT 32KB FLASH
44TQFP

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

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