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See specifications for product details.



ATXMEGA32A4-CU

Manufacturer Part Number	ATXMEGA32A4-CU
Manufacturer	Microchip Technology
Allelco Part Number	32D-ATXMEGA32A4-CU
ECAD Model	Request Free CAD Models
Parts Description	IC MCU 8/16BIT 32KB FLSH 49VFBGA
Package	49-VFBGA
Data sheet	XMEGA_A Manual.pdf Cylindrical Battery Holders.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

ATXMEGA32A4-CU - Microchip Technology. New Original in Stock. Download Linear Technology ATXMEGA32A4-CU datasheet/specifications on AllelcoElec.com. Request a quote for ATXMEGA32A4-CU, please send us email: info@allelco.com

Specifications

ATXMEGA32A4-CU Tech Specifications
ATXMEGA32A4-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® A4	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
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 ATXMEGA32A4-CU

Product Attribute				
Part Number	ATXMEGA32A4-CU	ATXMEGA32A4-MH	ATXMEGA256D3-MHR	ATXMEGA32A4U-AU
Manufacturer	Microchip Technology	Microchip Technology	Atmel	Atmel
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-VFQFN Exposed Pad	64-VFQFN Exposed Pad	44-TQFP
EEPROM Size	1K x 8	1K x 8	4K x 8	1K x 8
Core Processor	AVR	AVR	AVR	AVR
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Base Product Number	ATXMEGA32	ATXMEGA32	ATXMEGA256	ATXMEGA32
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
Speed	32MHz	32MHz	32MHz	32MHz
Oscillator Type	Internal	Internal	Internal	Internal
Data Converters	A/D 12x12b; D/A 2x12b	A/D 12x12b; D/A 2x12b	A/D 16x12b	A/D 12x12b; D/A 2x12b
Program Memory Size	32KB (16K x 16)	32KB (16K x 16)	256KB (128K x 16)	32KB (16K x 16)
Core Size	8/16-Bit	8/16-Bit	8/16-Bit	8/16-Bit
RAM Size	4K x 8	4K x 8	16K x 8	4K x 8
Supplier Device Package	49-VFBGA (5x5)	44-VQFN (7x7)	64-QFN (9x9)	44-TQFP (10x10)
Package	Tray	Tray	Bulk	Bulk
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Number of I/O	34	34	50	34
Series	AVR® XMEGA® A4	AVR® XMEGA® A4	AVR® XMEGA® D3	AVR® XMEGA® A4U
Connectivity	I ² C, IrDA, SPI, UART/USART	I ² C, IrDA, SPI, UART/USART	I ² C, IrDA, SPI, UART/USART	I ² C, IrDA, SPI, UART/USART, USB

ATXMEGA32A4-CU Datasheet PDF

Download ATXMEGA32A4-CU pdf datasheets and Microchip Technology documentation for ATXMEGA32A4-CU - Microchip Technology.

Datasheets

XMEGA_A Manual.pdf


PCN Packaging

MBB/Label Chgs 16/Nov/2018.pdf

Transfer to Microchip/Label/Pkg 5/Sep/2016.pdf

PCN Design/Specification

 Marking Chgs 11/Jul/2017.pdf

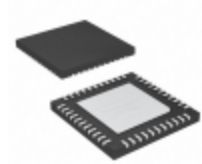
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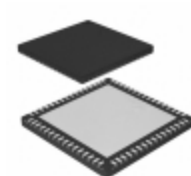
ATXMEGA32A4-MH
Microchip Technology
IC MCU 8/16BIT 32KB FLASH
44VQFN



ATXMEGA256D3-MHR
Atmel
IC MCU 8/16BIT 256KB FLASH
64QFN



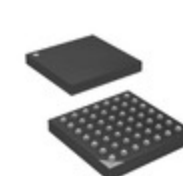
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Atmel
IC MCU 8/16BIT 32KB FLASH
44TQFP



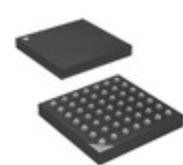
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Microchip Technology
IC MCU 8/16BIT 256KB FLASH
64QFN



ATXMEGA32A4U-AUR
Microchip Technology
IC MCU 8/16BIT 32KB FLASH
44TQFP



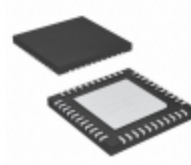
ATXMEGA32A4-CUR
Microchip Technology
IC MCU 8/16BIT 32KB FLSH
49VFBGA



ATXMEGA32A4U-CU
Microchip Technology
IC MCU 8/16BIT 32KB FLSH
49VFBGA



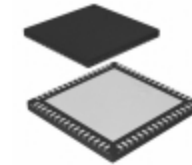
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Microchip Technology
IC MCU 8/16BIT 32KB FLASH
44TQFP



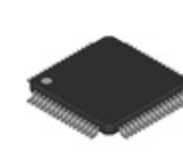
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Microchip Technology
IC MCU 8/16BIT 32KB FLASH
44VQFN



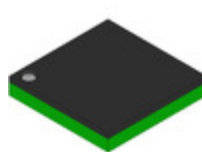
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IC MCU 8/16BIT 256KB FLSH
64TQFP



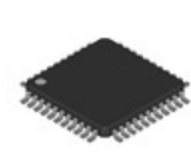
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Microchip Technology
IC MCU 8/16BIT 256KB FLASH
64QFN



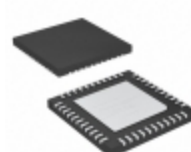
ATXMEGA256D3-AU
Atmel
IC MCU 8/16BIT 256KB FLSH
64TQFP



ATXMEGA32A4-CU
Atmel
IC MCU 8/16BIT 32KB FLSH
49VFBGA



ATXMEGA32A4-AU
Atmel
IC MCU 8/16BIT 32KB FLASH
44TQFP



ATXMEGA32A4-MHR
Microchip Technology
IC MCU 8/16BIT 32KB FLASH
44VQFN



ATXMEGA32A4U-AN
Microchip Technology
IC MCU 8/16BIT 32KB FLASH
44TQFP



ATXMEGA32A4-AU
Microchip Technology
IC MCU 8/16BIT 32KB FLASH
44TQFP



ATXMEGA256D3-AU
Microchip Technology
IC MCU 8/16BIT 256KB 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 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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+00852 9146 4856

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Certifications & Memberships



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