

Image may be representation.  
See specifications for product details.



## ATXMEGA32C3-MH

Manufacturer Part Number	<b>ATXMEGA32C3-MH</b>
Manufacturer	<b>Microchip Technology</b>
Allelco Part Number	32D-ATXMEGA32C3-MH
ECAD Model	Request Free CAD Models
Parts Description	IC MCU 8/16BIT 32KB FLASH 64QFN
Package	64-VFQFN Exposed Pad
Data sheet	<b>XMEGA C Manual.pdf</b> <b>ATxMEGAzzzC3 Datasheet.pdf</b>
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

ATXMEGA32C3-MH - Microchip Technology.New Original in Stock. Download Linear Technology ATXMEGA32C3-MH datasheet/specifications on AllelcoElec.com.  
Request a quote for ATXMEGA32C3-MH, please send us email: [info@allelco.com](mailto:info@allelco.com)

## Specifications

ATXMEGA32C3-MH Tech Specifications  
ATXMEGA32C3-MH - 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	64-QFN (9x9)	Number of I/O	50
Speed	32MHz	Mounting Type	Surface Mount
Series	AVR® XMEGA® C3	EEPROM Size	2K x 8
RAM Size	4K x 8	Data Converters	A/D 16x12b
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 <sup>2</sup> C, IrDA, SPI, UART/USART, USB
Package / Case	64-VFQFN Exposed Pad	Base Product Number	ATXMEGA32
Package	Tray		

## Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology ATXMEGA32C3-MH

Product Attribute				
Part Number	ATXMEGA32C3-MH	ATXMEGA32C4-CU	ATXMEGA32D3-MH	ATXMEGA32A4U-AUR
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Number of I/O	50	34	50	34
Oscillator Type	Internal	Internal	Internal	Internal
RAM Size	4K x 8	4K x 8	4K x 8	4K x 8
Series	AVR® XMEGA® C3	AVR® XMEGA® C4	AVR® XMEGA® D3	AVR® XMEGA® A4U
Package	Tray	Tray	Tray	Tape & Reel (TR)
Base Product Number	ATXMEGA32	ATXMEGA32	ATXMEGA32	ATXMEGA32
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 ~ 85°C (TA)	-40°C ~ 85°C (TA)
Peripherals	Brown-out Detect/Reset, DMA, POR, PWM, WDT	Brown-out Detect/Reset, POR, PWM, WDT	Brown-out Detect/Reset, POR, PWM, WDT	Brown-out Detect/Reset, DMA, POR, PWM, WDT
Data Converters	A/D 16x12b	A/D 16x12b	A/D 16x12b	A/D 12x12b; D/A 2x12b
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Package / Case	64-VFQFN Exposed Pad	49-VFBGA	64-VFQFN Exposed Pad	44-TQFP
Supplier Device Package	64-QFN (9x9)	49-VFBGA (5x5)	64-QFN (9x9)	44-TQFP (10x10)
Core Processor	AVR	AVR	AVR	AVR
Program Memory Size	32KB (16K x 16)	32KB (16K x 16)	32KB (16K x 16)	32KB (16K x 16)
EEPROM Size	2K x 8	1K x 8	1K x 8	1K x 8
Core Size	8/16-Bit	8/16-Bit	8/16-Bit	8/16-Bit
Connectivity	I <sup>2</sup> C, IrDA, SPI, UART/USART, USB	I <sup>2</sup> C, IrDA, SPI, UART/USART, USB	I <sup>2</sup> C, IrDA, SPI, UART/USART	I <sup>2</sup> C, IrDA, SPI, UART/USART, USB
Speed	32MHz	32MHz	32MHz	32MHz

## ATXMEGA32C3-MH Datasheet PDF

Download ATXMEGA32C3-MH pdf datasheets and Microchip Technology documentation for ATXMEGA32C3-MH - Microchip Technology.

### Datasheets

[XMEGA C Manual.pdf](#)

[ATxMEGAzzzC3 Datasheet.pdf](#)

### PCN Packaging

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

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

## PCN Design/Specification

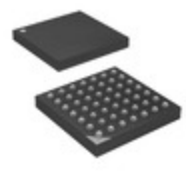
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## PCN Other

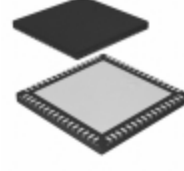
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## Customers Also Interested in

### Recommended Products



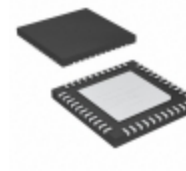
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Microchip Technology  
IC MCU 8/16BIT 32KB FLSH  
49VFBGA



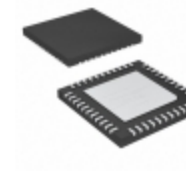
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Microchip Technology  
IC MCU 8/16BIT 32KB FLASH 64QFN



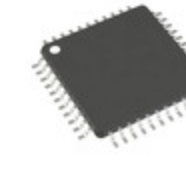
**ATXMEGA32A4U-AUR**  
Microchip Technology  
IC MCU 8/16BIT 32KB FLASH  
44TQFP



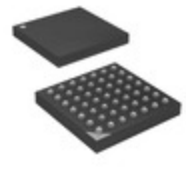
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Microchip Technology  
IC MCU 8/16BIT 32KB FLASH  
44VQFN



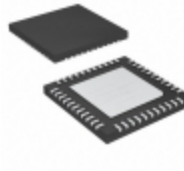
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Microchip Technology  
IC MCU 8/16BIT 32KB FLASH  
44VQFN



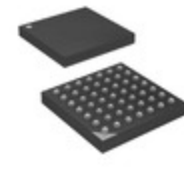
**ATXMEGA32A4U-AN**  
Microchip Technology  
IC MCU 8/16BIT 32KB FLASH  
44TQFP



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



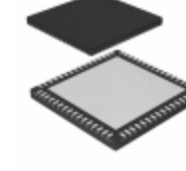
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Microchip Technology  
IC MCU 8/16BIT 32KB FLASH  
44VQFN



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



**ATXMEGA32C4-AU**  
Microchip Technology  
IC MCU 8/16BIT 32KB FLASH  
44TQFP



**ATXMEGA32C3-MHR**  
Microchip Technology  
IC MCU 8/16BIT 32KB FLASH 64QFN



**ATXMEGA32D3-AUR**  
Microchip Technology  
IC MCU 8/16BIT 32KB FLASH  
64TQFP



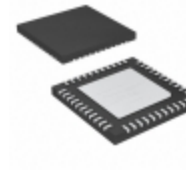
**ATXMEGA32C4-MHR**  
Atmel  
IC MCU 8/16BIT 32KB FLASH  
44VQFN



**ATXMEGA32A4U-AU**  
Atmel  
IC MCU 8/16BIT 32KB FLASH  
44TQFP



**ATXMEGA32C3-AU**  
Microchip Technology  
IC MCU 8/16BIT 32KB FLASH  
64TQFP



**ATXMEGA32C4-MHR**  
Microchip Technology  
IC MCU 8/16BIT 32KB FLASH  
44VQFN



**ATXMEGA32D3-AU**  
Microchip Technology  
IC MCU 8/16BIT 32KB FLASH  
64TQFP



**ATXMEGA32C4-AUR**  
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 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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