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See specifications for product details.



ATXMEGA32D4-MH

Manufacturer Part Number	ATXMEGA32D4-MH
Manufacturer	Microchip Technology
Allelco Part Number	32D-ATXMEGA32D4-MH
ECAD Model	Request Free CAD Models
Parts Description	IC MCU 8/16BIT 32KB FLASH 44VQFN
Package	44-VFQFN Exposed Pad
Data sheet	ATXMEGA D Manual.pdf ATXMEGAxxD4 Datasheet.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

ATXMEGA32D4-MH - Microchip Technology. New Original in Stock. Download Linear Technology ATXMEGA32D4-MH datasheet/specifications on AllelcoElec.com. Request a quote for ATXMEGA32D4-MH, please send us email: info@allelco.com

Specifications

ATXMEGA32D4-MH Tech Specifications
ATXMEGA32D4-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	44-VFQFN (7x7)	Number of I/O	34
Speed	32MHz	Mounting Type	Surface Mount
Series	AVR® XMEGA® D4	EEPROM Size	1K x 8
RAM Size	4K x 8	Data Converters	A/D 12x12b
Program Memory Type	FLASH	Core Size	8/16-Bit
Program Memory Size	32KB (16K x 16)	Core Processor	AVR
Peripherals	Brown-out Detect/Reset, POR, PWM, WDT	Connectivity	I ² C, IrDA, SPI, UART/USART
Package / Case	44-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 ATXMEGA32D4-MH

Product Attribute				
Part Number	ATXMEGA32D4-MH	ATXMEGA32E5-M4UR	ATXMEGA32E5-AU	ATXMEGA32D4-AU
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Atmel
Core Processor	AVR	AVR	AVR	AVR
Package / Case	44-VFQFN Exposed Pad	32-UFQFN Exposed Pad	32-TQFP	44-TQFP
Peripherals	Brown-out Detect/Reset, POR, PWM, WDT	Brown-out Detect/Reset, DMA, POR, PWM, WDT	Brown-out Detect/Reset, DMA, POR, PWM, WDT	Brown-out Detect/Reset, POR, PWM, WDT
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Voltage - Supply (Vcc/Vdd)	1.6V ~ 3.6V	1.6V ~ 3.6V	1.6V ~ 3.6V	1.6V ~ 3.6V
Base Product Number	ATXMEGA32	ATXMEGA32	ATXMEGA32	ATXMEGA32
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
RAM Size	4K x 8	4K x 8	4K x 8	4K x 8
Core Size	8/16-Bit	8/16-Bit	8/16-Bit	8/16-Bit
Series	AVR® XMEGA® D4	AVR® XMEGA® E5	AVR® XMEGA® E5	AVR® XMEGA® D4
Number of I/O	34	26	26	34
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Data Converters	A/D 12x12b	A/D 16x12b; D/A 2x12b	A/D 16x12b; D/A 2x12b	A/D 12x12b
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	32KB (16K x 16)	32KB (16K x 16)	32KB (16K x 16)	32KB (16K x 16)
Supplier Device Package	44-VQFN (7x7)	32-UQFN (4x4)	32-TQFP (7x7)	44-TQFP (10x10)
Package	Tray	Tape & Reel (TR)	Tray	Bulk
Oscillator Type	Internal	Internal	Internal	Internal
EEPROM Size	1K x 8	1K x 8	1K x 8	1K x 8
Speed	32MHz	32MHz	32MHz	32MHz

ATXMEGA32D4-MH Datasheet PDF

Download ATXMEGA32D4-MH pdf datasheets and Microchip Technology documentation for ATXMEGA32D4-MH - Microchip Technology.

Datasheets

[ATXMEGA D Manual.pdf](#)

[ATXMEGAxxD4 Datasheet.pdf](#)

PCN Packaging

[Transfer to Microchip/Label/Pkg 5/Sep/2016.pdf](#)

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

PCN Design/Specification



Marking Chgs 11/Jul/2017.pdf

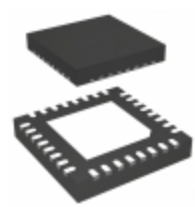
PCN Other



MSL3 to MSL1 05/Apr/2013.pdf

Customers Also Interested in

Recommended Products



ATXMEGA32E5-M4UR

Microchip Technology
IC MCU 8/16BIT 32KB FLASH
32UQFN



ATXMEGA32E5-AU

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



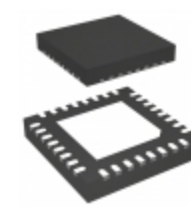
ATXMEGA32D4-AU

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



ATXMEGA32D3-AU

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



ATXMEGA32E5-M4U

Microchip Technology
IC MCU 8/16BIT 32KB FLASH
32UQFN



ATXMEGA32D4-H

Atmel (Microchip Technology)



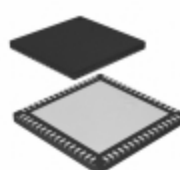
ATXMEGA32E5-ANR

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



ATXMEGA32D4P-MH

Atmel (Microchip Technology)



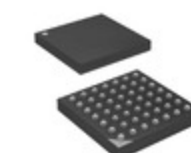
ATXMEGA32D3-MH

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



ATXMEGA32E5-MU

Atmel
IC MCU 8/16BIT 32KB FLASH 32QFN



ATXMEGA32D4-CU

Microchip Technology
IC MCU 8/16BIT 32KB FL5H
49VFBGA



ATXMEGA32E5-AUR

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



ATXMEGA32E5-AN

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



ATXMEGA32D4-AU

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



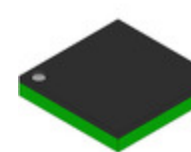
ATXMEGA32E5-MU

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



ATXMEGA32D4-AUR

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



ATXMEGA32D4-CU

Atmel
IC MCU 8/16BIT 32KB FL5H
49VFBGA



ATXMEGA32D3-AUR

Microchip Technology
IC MCU 8/16BIT 32KB FLASH
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 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



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