

Image may be representation.
See specifications for product details.



ATMEGA32L-8AI

Manufacturer Part Number	ATMEGA32L-8AI
Manufacturer	Atmel
Allelco Part Number	32D-ATMEGA32L-8AI
ECAD Model	Request Free CAD Models
Parts Description	IC MCU 8BIT 32KB FLASH 44TQFP
Package	44-TQFP
Data sheet	ATMEGA32L-8AI.pdf

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ATMEGA32L-8AI - Atmel.New Original in Stock. Download Linear Technology ATMEGA32L-8AI datasheet/specifications on AllelcoElec.com.
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Specifications

ATMEGA32L-8AI Tech Specifications

ATMEGA32L-8AI - Atmel technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Atmel	Oscillator Type	Internal
Voltage - Supply (Vcc/Vdd)	2.7V ~ 5.5V	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package	44-TQFP (10x10)	Number of I/O	32
Speed	8MHz	Mounting Type	Surface Mount
Series	AVR® ATmega	EEPROM Size	1K x 8
RAM Size	2K x 8	Data Converters	A/D 8x10b
Program Memory Type	FLASH	Core Size	8-Bit
Program Memory Size	32KB (16K x 16)	Core Processor	AVR
Peripherals	Brown-out Detect/Reset, POR, PWM, WDT	Connectivity	I²C, SPI, UART/USART
Package / Case	44-TQFP	Base Product Number	ATMEGA32
Package	Tray		

Parts with Similar Specifications

The three parts on the right have similar specifications to Atmel ATMEGA32L-8AI

Product Attribute				
Part Number	ATMEGA32L-8AI	ATMEGA32L-8PI	ATMEGA32A-MU	ATMEGA32L-8MU
Manufacturer	Atmel	Microchip Technology	Microchip Technology	Atmel
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Package	Tray	Tube	Tray	Bulk
Program Memory Size	32KB (16K x 16)	32KB (16K x 16)	32KB (16K x 16)	32KB (16K x 16)
Data Converters	A/D 8x10b	A/D 8x10b	A/D 8x10b	A/D 8x10b
Mounting Type	Surface Mount	Through Hole	Surface Mount	Surface Mount
Core Processor	AVR	AVR	AVR	AVR
EEPROM Size	1K x 8	1K x 8	1K x 8	1K x 8
Package / Case	44-TQFP	40-DIP (0.600", 15.24mm)	44-VQFN Exposed Pad	44-VQFN Exposed Pad
Speed	8MHz	8MHz	16MHz	8MHz
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Base Product Number	ATMEGA32	ATMEGA32	ATMEGA32	ATMEGA32
Series	AVR® ATmega	AVR® ATmega	AVR® ATmega	AVR® ATmega
Oscillator Type	Internal	Internal	Internal	Internal
RAM Size	2K x 8	2K x 8	2K x 8	2K x 8
Number of I/O	32	32	32	32
Core Size	8-Bit	8-Bit	8-Bit	8-Bit
Supplier Device Package	44-TQFP (10x10)	40-PDIP	44-VQFN (7x7)	44-VQFN (7x7)
Voltage - Supply (Vcc/Vdd)	2.7V ~ 5.5V	2.7V ~ 5.5V	2.7V ~ 5.5V	2.7V ~ 5.5V
Connectivity	I²C, SPI, UART/USART	I²C, SPI, UART/USART	I²C, SPI, UART/USART	I²C, SPI, UART/USART
Peripherals	Brown-out Detect/Reset, POR, PWM, WDT	Brown-out Detect/Reset, POR, PWM, WDT	Brown-out Detect/Reset, POR, PWM, WDT	Brown-out Detect/Reset, POR, PWM, WDT

Customers Also Interested in

Recommended Products

ATMEGA32L-8PI	ATMEGA32A-MU	ATMEGA32L-8MU	ATMEGA32A-MUR	ATMEGA32C1-15AD	ATMEGA32L-8AU
Microchip Technology IC MCU 8BIT 32KB FLASH 40DIP	Microchip Technology IC MCU 8BIT 32KB FLASH 44VQFN	Atmel IC MCU 8BIT 32KB FLASH 44VQFN	Microchip Technology IC MCU 8BIT 32KB FLASH 44VQFN	Microchip Technology IC MCU 8BIT 32KB FLASH 32TQFP	Microchip Technology IC MCU 8BIT 32KB FLASH 44TQFP



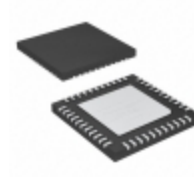
ATMEGA32HVB-8X3
Microchip Technology
IC MCU 8BIT 32KB FLASH 44TSSOP



ATMEGA32C1-15AZ
Microchip Technology
IC MCU 8BIT 32KB FLASH 32TQFP



ATMEGA32L-8AU
Atmel
IC MCU 8BIT 32KB FLASH 44TQFP



ATMEGA32A-MNR
Microchip Technology
IC MCU 8BIT 32KB FLASH 44VQFN



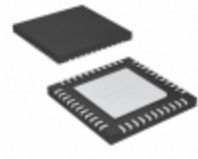
ATMEGA32A-PU
Microchip Technology
IC MCU 8BIT 32KB FLASH 40DIP



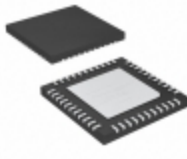
ATMEGA32L-8MUR
Atmel
IC MCU 8BIT 32KB FLASH 44VQFN



ATMEGA32L-8AC
Microchip Technology
IC MCU 8BIT 32KB FLASH 44TQFP



ATMEGA32L-8MUR
Microchip Technology
IC MCU 8BIT 32KB FLASH 44VQFN



ATMEGA32L-8MU
Microchip Technology
IC MCU 8BIT 32KB FLASH 44VQFN



ATMEGA32L-8AI
Microchip Technology
IC MCU 8BIT 32KB FLASH 44TQFP



ATMEGA32A-AUR
Microchip Technology
IC MCU 8BIT 32KB FLASH 44TQFP



ATMEGA32L-8AUR
Microchip Technology
IC MCU 8BIT 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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