



Image may be representation.
See specifications for product details.



ATMEGA32A-AU

Manufacturer Part Number	ATMEGA32A-AU
Manufacturer	Microchip Technology
Allelco Part Number	32D-ATMEGA32A-AU
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC MCU 8BIT 32KB FLASH 44TQFP
Package	44-TQFP
Data sheet	Cylindrical Battery Holders.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

ATMEGA32A-AU - Microchip Technology. New Original in Stock. Download Linear Technology ATMEGA32A-AU datasheet/specifications on AllelcoElec.com. Request a quote for ATMEGA32A-AU, please send us email: info@allelco.com

Specifications

ATMEGA32A-AU Tech Specifications

ATMEGA32A-AU - Microchip Technology technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Microchip Technology	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	16MHz	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	I ² C, 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 Microchip Technology ATMEGA32A-AU

Product Attribute				
Part Number	ATMEGA32A-AU	ATMEGA329V-8AU	ATMEGA329V-8AI	ATMEGA32C1-15AZ
Manufacturer	Microchip Technology	Microchip Technology	Atmel	Microchip Technology
EEPROM Size	1K x 8	1K x 8	1K x 8	1K x 8
Core Processor	AVR	AVR	AVR	AVR
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Connectivity	I ² C, SPI, UART/USART	SPI, UART/USART, USI	SPI, UART/USART, USI	CANbus, LINbus, SPI, UART/USART
Package	Tray	Tray	Tray	Tape & Reel (TR)
Peripherals	Brown-out Detect/Reset, POR, PWM, WDT	Brown-out Detect/Reset, LCD, POR, PWM, WDT	Brown-out Detect/Reset, LCD, POR, PWM, WDT	Brown-out Detect/Reset, POR, PWM, Temp Sensor, WDT
Package / Case	44-TQFP	64-TQFP	64-TQFP	32-TQFP
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 125°C (TA)
Program Memory Size	32KB (16K x 16)	32KB (16K x 16)	32KB (16K x 16)	32KB (16K x 16)
Voltage - Supply (Vcc/Vdd)	2.7V ~ 5.5V	1.8V ~ 5.5V	1.8V ~ 5.5V	2.7V ~ 5.5V
Supplier Device Package	44-TQFP (10x10)	64-TQFP (14x14)	64-TQFP (14x14)	32-TQFP (7x7)
Number of I/O	32	54	54	-
Speed	16MHz	8MHz	8MHz	16MHz
Series	AVR® ATmega	AVR® ATmega	AVR® ATmega	Automotive, AEC-Q100, AVR® ATmega
Base Product Number	ATMEGA32	ATMEGA329	ATMEGA329	ATMEGA32
RAM Size	2K x 8	2K x 8	2K x 8	2K x 8
Core Size	8-Bit	8-Bit	8-Bit	8-Bit
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Oscillator Type	Internal	Internal	Internal	Internal
Data Converters	A/D 8x10b	A/D 8x10b	A/D 8x10b	A/D 11x10b; D/A 1x10b

ATMEGA32A-AU Datasheet PDF

Download ATMEGA32A-AU pdf datasheets and Microchip Technology documentation for ATMEGA32A-AU - Microchip Technology.

Datasheets

[Cylindrical Battery Holders.pdf](#)

PCN Packaging

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

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

PCN Design/Specification



Cylindrical Battery Holders.pdf

PCN Assembly/Origin



2.73KHz.pdf

Customers Also Interested in

Recommended Products



ATMEGA329V-8AU

Microchip Technology
IC MCU 8BIT 32KB FLASH 64TQFP



ATMEGA329V-8AI

Atmel
IC MCU 8BIT 32KB FLASH 64TQFP



ATMEGA32C1-15AZ

Microchip Technology
IC MCU 8BIT 32KB FLASH 32TQFP



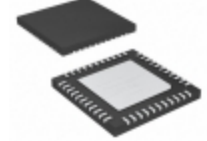
ATMEGA32HVB-8X3

Microchip Technology
IC MCU 8BIT 32KB FLASH 44TSSOP



ATMEGA32A-AUR

Microchip Technology
IC MCU 8BIT 32KB FLASH 44TQFP



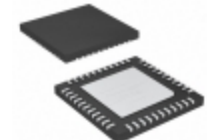
ATMEGA32A-MU

Microchip Technology
IC MCU 8BIT 32KB FLASH 44VQFN



ATMEGA329PV-10MU

Atmel
IC MCU 8BIT 32KB FLASH 64QFN



ATMEGA32A-MNR

Microchip Technology
IC MCU 8BIT 32KB FLASH 44VQFN



ATMEGA329PV-10AUR

Microchip Technology
IC MCU 8BIT 32KB FLASH 64TQFP



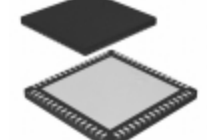
ATMEGA32A-AU

Atmel
IC MCU 8BIT 32KB FLASH 44TQFP



ATMEGA32A-PU

Microchip Technology
IC MCU 8BIT 32KB FLASH 40DIP



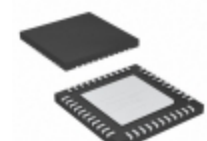
ATMEGA329V-8MI

Microchip Technology
IC MCU 8BIT 32KB FLASH 64QFN



ATMEGA329V-8MU

Atmel
IC MCU 8BIT 32KB FLASH 64QFN



ATMEGA32A-MUR

Microchip Technology
IC MCU 8BIT 32KB FLASH 44VQFN



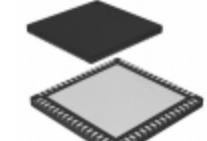
ATMEGA329V-8AI

Microchip Technology
IC MCU 8BIT 32KB FLASH 64TQFP



ATMEGA329V-8AUR

Microchip Technology
IC MCU 8BIT 32KB FLASH 64TQFP



ATMEGA329V-8MU

Microchip Technology
IC MCU 8BIT 32KB FLASH 64QFN



ATMEGA32C1-15AD

Microchip Technology
IC MCU 8BIT 32KB FLASH 32TQFP

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

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Email

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Certifications & Memberships



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