



Image may be representation.  
See specifications for product details.



## ATMEGA32-16PI

Manufacturer Part Number	<a href="#">ATMEGA32-16PI</a>
Manufacturer	<a href="#">Microchip Technology</a>
Allelco Part Number	32D-ATMEGA32-16PI
ECAD Model	<a href="#">Request Free CAD Models</a>
Parts Description	IC MCU 8BIT 32KB FLASH 40DIP
Package	40-DIP (0.600', 15.24mm)
Data sheet	<a href="#">ATMEGA32(L) Complete.pdf</a> <a href="#">ATMEGA32(L) Summary.pdf</a>

**Get a Quote**

ATMEGA32-16PI - Microchip Technology. New Original in Stock. Download Linear Technology ATMEGA32-16PI datasheet/specifications on AllelcoElec.com. Request a quote for ATMEGA32-16PI, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

ATMEGA32-16PI Tech Specifications

ATMEGA32-16PI - Microchip Technology technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Microchip Technology	Oscillator Type	Internal
Voltage - Supply (Vcc/Vdd)	4.5V ~ 5.5V	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package	40-PDIP	Number of I/O	32
Speed	16MHz	Mounting Type	Through Hole
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 <sup>2</sup> C, SPI, UART/USART
Package / Case	40-DIP (0.600', 15.24mm)	Base Product Number	ATMEGA32
Package	Tube		

### Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology ATMEGA32-16PI

Product Attribute				
Part Number	ATMEGA32-16PI	<a href="#">ATMEGA3209-AFR</a>	<a href="#">ATMEGA3208-MFR</a>	<a href="#">ATMEGA323L-4AC</a>
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Series	AVR® ATmega	megaAVR® 0, Functional Safety (FuSa)	megaAVR® 0, Functional Safety (FuSa)	AVR® ATmega
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Speed	16MHz	20MHz	20MHz	4MHz
Program Memory Size	32KB (16K x 16)	32KB (16K x 16)	32KB (16K x 16)	32KB (16K x 16)
Package	Tube	Tape & Reel (TR)	Tape & Reel (TR)	Tray
Oscillator Type	Internal	Internal	Internal	Internal
Voltage - Supply (Vcc/Vdd)	4.5V ~ 5.5V	1.8V ~ 5.5V	1.8V ~ 5.5V	2.7V ~ 5.5V
Data Converters	A/D 8x10b	A/D 16x10b	A/D 12x10b	A/D 8x10b
EEPROM Size	1K x 8	256 x 8	256 x 8	1K x 8
Core Size	8-Bit	8-Bit	8-Bit	8-Bit
Core Processor	AVR	AVR	AVR	AVR
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 125°C (TA)	-40°C ~ 125°C (TA)	0°C ~ 70°C
RAM Size	2K x 8	4K x 8	4K x 8	2K x 8
Connectivity	I <sup>2</sup> C, SPI, UART/USART	I <sup>2</sup> C, SPI, UART/USART	I <sup>2</sup> C, SPI, UART/USART	I <sup>2</sup> C, SPI, UART/USART
Number of I/O	32	41	27	32
Mounting Type	Through Hole	Surface Mount	Surface Mount	Surface Mount
Supplier Device Package	40-PDIP	48-TQFP (7x7)	32-VFQFN (5x5)	44-TQFP (10x10)
Package / Case	40-DIP (0.600', 15.24mm)	48-TQFP	32-VFQFN Exposed Pad	44-TQFP
Peripherals	Brown-out Detect/Reset, POR, PWM, WDT	Brown-out Detect/Reset, POR, WDT	Brown-out Detect/Reset, POR, WDT	Brown-out Detect/Reset, POR, PWM, WDT
Base Product Number	ATMEGA32	ATMEGA3209	ATMEGA3208	ATMEGA323

### ATMEGA32-16PI Datasheet PDF

Download ATMEGA32-16PI pdf datasheets and Microchip Technology documentation for ATMEGA32-16PI - Microchip Technology.

#### PCN Packaging

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

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





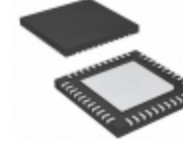

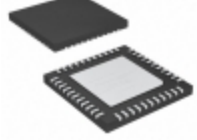






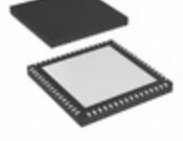
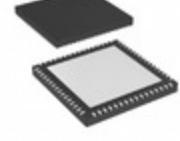



#### HTML Datasheet

[ATMEGA32\(L\) Complete.pdf](#)

[ATMEGA32\(L\) Summary.pdf](#)

## Customers Also Interested in

### Recommended Products

					
<b>ATMEGA3209-AFR</b> Microchip Technology IC MCU 8BIT 32KB FLASH 48TQFP	<b>ATMEGA3208-MFR</b> Microchip Technology IC MCU 8BIT 32KB FLASH 32VQFN	<b>ATMEGA323L-4AC</b> Microchip Technology IC MCU 8BIT 32KB FLASH 44TQFP	<b>ATMEGA32-16AC</b> Microchip Technology IC MCU 8BIT 32KB FLASH 44TQFP	<b>ATMEGA32-16MC</b> Microchip Technology IC MCU 8BIT 32KB FLASH 44VQFN	<b>ATMEGA3208-AU</b> Microchip Technology IC MCU 8BIT 32KB FLASH 32TQFP
					
<b>ATMEGA324A-MU</b> Microchip Technology IC MCU 8BIT 32KB FLASH 44VQFN	<b>ATMEGA3209-AF</b> Microchip Technology IC MCU 8BIT 32KB FLASH 48TQFP	<b>ATMEGA32-16AUR</b> Microchip Technology IC MCU 8BIT 32KB FLASH 44TQFP	<b>ATMEGA2564RFR2-ZUR</b> Microchip Technology IC RF TXRX+MCU 802.15.4 48VQFN	<b>ATMEGA3208-MU</b> Microchip Technology IC MCU 8BIT 32KB FLASH 32VQFN	<b>ATMEGA32-16AI</b> Microchip Technology IC MCU 8BIT 32KB FLASH 44TQFP
					
<b>ATMEGA324A-AUR</b> Microchip Technology IC MCU 8BIT 32KB FLASH 44TQFP	<b>ATMEGA256RFR2-ZFR</b> Microchip Technology IC RF TXRX+MCU 802.15.4 64VQFN	<b>ATMEGA256RFR2-ZUR</b> Microchip Technology IC RF TXRX+MCU 802.15.4 64VQFN	<b>ATMEGA32-16AU</b> Microchip Technology IC MCU 8BIT 32KB FLASH 44TQFP	<b>ATMEGA32-16PU</b> Microchip Technology IC MCU 8BIT 32KB FLASH 40DIP	<b>ATMEGA32-16AU</b> Atmel 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.

	
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### Certifications & Memberships



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