



Image may be representation.
See specifications for product details.



ATMEGA16L-8AU

Manufacturer Part Number	ATMEGA16L-8AU
Manufacturer	Microchip Technology
Allelco Part Number	32D-ATMEGA16L-8AU
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC MCU 8BIT 16KB FLASH 44TQFP
Package	44-TQFP
Data sheet	ATMEGA16(L) Datasheet.pdf Cylindrical Battery Holders.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

ATMEGA16L-8AU - Microchip Technology. New Original in Stock. Download Linear Technology ATMEGA16L-8AU datasheet/specifications on AllelcoElec.com. Request a quote for ATMEGA16L-8AU, please send us email: info@allelco.com

Specifications

ATMEGA16L-8AU Tech Specifications

ATMEGA16L-8AU - 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	8MHz	Mounting Type	Surface Mount
Series	AVR® ATmega	EEPROM Size	512 x 8
RAM Size	1K x 8	Data Converters	A/D 8x10b
Program Memory Type	FLASH	Core Size	8-Bit
Program Memory Size	16KB (8K 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	ATMEGA16
Package	Tray		

Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology ATMEGA16L-8AU

Product Attribute				
Part Number	ATMEGA16L-8AU	ATMEGA16L-8AC	ATMEGA16L-8MI	ATMEGA16L-8MC
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Number of I/O	32	32	32	32
Oscillator Type	Internal	Internal	Internal	Internal
RAM Size	1K x 8	1K x 8	1K x 8	1K x 8
Base Product Number	ATMEGA16	ATMEGA16	ATMEGA16	ATMEGA16
Program Memory Size	16KB (8K x 16)	16KB (8K x 16)	16KB (8K x 16)	16KB (8K x 16)
Data Converters	A/D 8x10b	A/D 8x10b	A/D 8x10b	A/D 8x10b
Core Size	8-Bit	8-Bit	8-Bit	8-Bit
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Supplier Device Package	44-TQFP (10x10)	44-TQFP (10x10)	44-VQFN (7x7)	44-VQFN (7x7)
Package / Case	44-TQFP	44-TQFP	44-VQFN Exposed Pad	44-VQFN Exposed Pad
Voltage - Supply (Vcc/Vdd)	2.7V ~ 5.5V	2.7V ~ 5.5V	2.7V ~ 5.5V	2.7V ~ 5.5V
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Series	AVR® ATmega	AVR® ATmega	AVR® ATmega	AVR® ATmega
Connectivity	I²C, SPI, UART/USART	I²C, SPI, UART/USART	I²C, SPI, UART/USART	I²C, SPI, UART/USART
Operating Temperature	-40°C ~ 85°C (TA)	0°C ~ 70°C (TA)	-40°C ~ 85°C (TA)	0°C ~ 70°C (TA)
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
Package	Tray	Tray	Tray	Tray
Speed	8MHz	8MHz	8MHz	8MHz
EEPROM Size	512 x 8	512 x 8	512 x 8	512 x 8
Core Processor	AVR	AVR	AVR	AVR

ATMEGA16L-8AU Datasheet PDF

Download ATMEGA16L-8AU pdf datasheets and Microchip Technology documentation for ATMEGA16L-8AU - Microchip Technology.

Datasheets

[ATMEGA16\(L\) Datasheet.pdf](#)

PCN Packaging

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

PCN Design/Specification

 Cylindrical Battery Holders.pdf

PCN Assembly/Origin


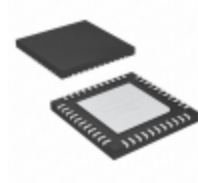
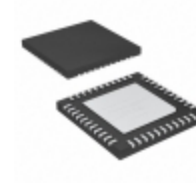







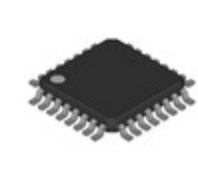

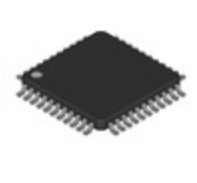

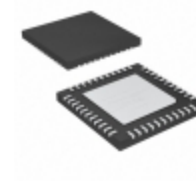
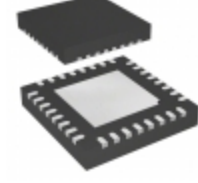
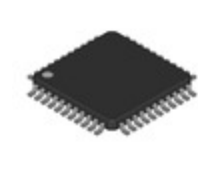

 2.73KHz.pdf

HTML Datasheet

 Cylindrical Battery Holders.pdf

Customers Also Interested in

Recommended Products

					
ATMEGA16L-8AC Microchip Technology IC MCU 8BIT 16KB FLASH 44TQFP	ATMEGA16L-8MI Microchip Technology IC MCU 8BIT 16KB FLASH 44VQFN	ATMEGA16L-8MC Microchip Technology IC MCU 8BIT 16KB FLASH 44VQFN	ATMEGA16L-8PU Microchip Technology IC MCU 8BIT 16KB FLASH 40DIP	ATMEGA16M1-15AZ Microchip Technology IC MCU 8BIT 16KB FLASH 32TQFP	ATMEGA16L-8AI Microchip Technology IC MCU 8BIT 16KB FLASH 44TQFP
					
ATMEGA16IL-4AI Atmel (Microchip Technology)	ATMEGA16HVB-8X3 Microchip Technology IC MCU 8BIT 16KB FLASH 44TSSOP	ATMEGA16M1-15AD Microchip Technology IC MCU 8BIT 16KB FLASH 32TQFP	ATMEGA16L Atmel (Microchip Technology)	ATMEGA16M1-15AZ Atmel IC MCU 8BIT 16KB FLASH 32TQFP	ATMEGA16A-PU Microchip Technology IC MCU 8BIT 16KB FLASH 40DIP
					
ATMEGA16L-8AUR Atmel IC MCU 8BIT 16KB FLASH 44TQFP	ATMEGA16HVB-8X3 Atmel IC MCU 8BIT 16KB FLASH 44TSSOP	ATMEGA16L-8MU Microchip Technology IC MCU 8BIT 16KB FLASH 44VQFN	ATMEGA16M1-15MD Microchip Technology IC MCU 8BIT 16KB FLASH 32QFN	ATMEGA16L-8AU Atmel IC MCU 8BIT 16KB FLASH 44TQFP	ATMEGA16L-8AUR Microchip Technology IC MCU 8BIT 16KB 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 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 -

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| 
Efficient Supply Management | 
Cost-Saving Procurement | 
Fast Sourcing & Delivery |
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Contact us if you have any questions.

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