



Image may be representation.  
See specifications for product details.



## ATMEGA8535-16AU

Manufacturer Part Number	<b>ATMEGA8535-16AU</b>
Manufacturer	<b>Microchip Technology</b>
Allelco Part Number	32D-ATMEGA8535-16AU
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IC MCU 8BIT 8KB FLASH 44TQFP
Package	44-TQFP
Data sheet	<b>ATMEGA8535(L) Complete.pdf</b> <b>Cylindrical Battery Holders.pdf</b>
RoHs Status	ROHS3 Compliant

**Get a Quote**

ATMEGA8535-16AU - Microchip Technology. New Original in Stock. Download Linear Technology ATMEGA8535-16AU datasheet/specifications on AllelcoElec.com. Request a quote for ATMEGA8535-16AU, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

ATMEGA8535-16AU Tech Specifications  
ATMEGA8535-16AU - 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	44-TQFP (10x10)	Number of I/O	32
Speed	16MHz	Mounting Type	Surface Mount
Series	AVR® ATmega	EEPROM Size	512 x 8
RAM Size	512 x 8	Data Converters	A/D 8x10b
Program Memory Type	FLASH	Core Size	8-Bit
Program Memory Size	8KB (4K 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	ATMEGA8535
Package	Tray		

### Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology ATMEGA8535-16AU

Product Attribute				
Part Number	ATMEGA8535-16AU	<b>ATMEGA8515L-8MU</b>	<b>ATMEGA8535-16MC</b>	<b>ATMEGA8535-16JI</b>
Manufacturer	Microchip Technology	Atmel	Microchip Technology	Atmel
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
Number of I/O	32	35	32	32
Core Processor	AVR	AVR	AVR	AVR
Connectivity	I²C, SPI, UART/USART	EBI/EMI, SPI, UART/USART	I²C, SPI, UART/USART	I²C, SPI, UART/USART
Package / Case	44-TQFP	44-VFQFN Exposed Pad	44-VFQFN Exposed Pad	44-LCC (J-Lead)
Series	AVR® ATmega	AVR® ATmega	AVR® ATmega	AVR® ATmega
Oscillator Type	Internal	Internal	Internal	Internal
Data Converters	A/D 8x10b	-	A/D 8x10b	A/D 8x10b
Speed	16MHz	8MHz	16MHz	16MHz
EEPROM Size	512 x 8	512 x 8	512 x 8	512 x 8
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	0°C ~ 70°C (TA)	-40°C ~ 85°C (TA)
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Voltage - Supply (Vcc/Vdd)	4.5V ~ 5.5V	2.7V ~ 5.5V	4.5V ~ 5.5V	4.5V ~ 5.5V
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Supplier Device Package	44-TQFP (10x10)	44-VQFN (7x7)	44-VQFN (7x7)	44-PLCC (16.6x16.6)
Program Memory Size	8KB (4K x 16)	8KB (4K x 16)	8KB (4K x 16)	8KB (4K x 16)
Base Product Number	ATMEGA8535	ATMEGA8515	ATMEGA8535	ATMEGA8535
Core Size	8-Bit	8-Bit	8-Bit	8-Bit
RAM Size	512 x 8	512 x 8	512 x 8	512 x 8
Package	Tray	Bulk	Tray	Tube

### ATMEGA8535-16AU Datasheet PDF

Download ATMEGA8535-16AU pdf datasheets and Microchip Technology documentation for ATMEGA8535-16AU - Microchip Technology.

#### Datasheets

[ATMEGA8535\(L\) Complete.pdf](#)

#### PCN Packaging

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

## PCN Design/Specification

 Cylindrical Battery Holders.pdf

## PCN Assembly/Origin


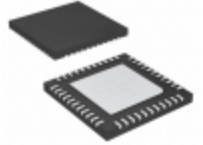







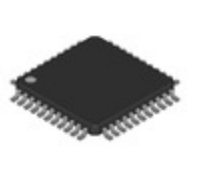








 2.73KHz.pdf

## HTML Datasheet

 Cylindrical Battery Holders.pdf

## Customers Also Interested in

### Recommended Products

					
<b>ATMEGA8515L-8MU</b> Atmel IC MCU 8BIT 8KB FLASH 44VQFN	<b>ATMEGA8535-16MC</b> Microchip Technology IC MCU 8BIT 8KB FLASH 44VQFN	<b>ATMEGA8535-16JI</b> Atmel IC MCU 8BIT 8KB FLASH 44PLCC	<b>ATMEGA8535-16JC</b> Atmel IC MCU 8BIT 8KB FLASH 44PLCC	<b>ATMEGA8535-16JU</b> Microchip Technology IC MCU 8BIT 8KB FLASH 44PLCC	<b>ATMEGA8535-16JUR</b> Microchip Technology IC MCU 8BIT 8KB FLASH 44PLCC
					
<b>ATMEGA8515L-8JI</b> Microchip Technology IC MCU 8BIT 8KB FLASH 44PLCC	<b>ATMEGA8515L-8PC</b> Microchip Technology IC MCU 8BIT 8KB FLASH 40DIP	<b>ATMEGA8515L-8JU</b> Atmel IC MCU 8BIT 8KB FLASH 44PLCC	<b>ATMEGA8535-16AU</b> Atmel IC MCU 8BIT 8KB FLASH 44TQFP	<b>ATMEGA8515L-8JU</b> Microchip Technology IC MCU 8BIT 8KB FLASH 44PLCC	<b>ATMEGA8535-16JJ</b> Microchip Technology IC MCU 8BIT 8KB FLASH 44PLCC
					
<b>ATMEGA8535-16AI</b> Microchip Technology IC MCU 8BIT 8KB FLASH 44TQFP	<b>ATMEGA8535-16JC</b> Microchip Technology IC MCU 8BIT 8KB FLASH 44PLCC	<b>ATMEGA8535-16JI</b> Microchip Technology IC MCU 8BIT 8KB FLASH 44PLCC	<b>ATMEGA8515L-8PI</b> Microchip Technology IC MCU 8BIT 8KB FLASH 40DIP	<b>ATMEGA8535-16JUR</b> Atmel IC MCU 8BIT 8KB FLASH 44PLCC	<b>ATMEGA8515L-8PU</b> Microchip Technology IC MCU 8BIT 8KB FLASH 40DIP

## 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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