





Image may be representation.  
See specifications for product details.



## ATMEGA16-16AUR

Manufacturer Part Number	ATMEGA16-16AUR
Manufacturer	Microchip Technology
Allelco Part Number	32D-ATMEGA16-16AUR
ECAD Model	 PCB Symbol, Footprint & 3D Mode
Parts Description	IC MCU 8BIT 16KB FLASH 44TQFP
Package	44-TQFP
Data sheet	<a href="#">ATMEGA16(L) Datasheet.pdf</a> <a href="#">ATMEGA16(L) Summary.pdf</a>
RoHs Status	 ROHS3 Compliant

Get a Quote

ATMEGA16-16AUR - Microchip Technology.New Original in Stock. Download Linear Technology ATMEGA16-16AUR datasheet/specifications on AllelcoElec.com.  
Request a quote for ATMEGA16-16AUR, please send us email: [info@allelco.com](mailto:info@allelco.com)


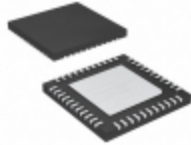


### Specifications

ATMEGA16-16AUR Tech Specifications  
ATMEGA16-16AUR - 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	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	Tape & Reel (TR)		

### Parts with Similar Specifications



The three parts on the right have similar specifications to Microchip Technology ATMEGA16-16AUR

Product Attribute				
Part Number	ATMEGA16-16AUR	ATMEGA16-16MQ	ATMEGA16-16AU	ATMEGA128L-8MU
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Atmel
Program Memory Size	16KB (8K x 16)	16KB (8K x 16)	16KB (8K x 16)	128KB (64K x 16)
Supplier Device Package	44-TQFP (10x10)	44-VQFN (7x7)	44-TQFP (10x10)	64-QFN (9x9)
Package	Tape & Reel (TR)	Tray	Tray	Bulk
Core Processor	AVR	AVR	AVR	AVR
Base Product Number	ATMEGA16	ATMEGA16	ATMEGA16	ATMEGA128
Voltage - Supply (Vcc/Vdd)	4.5V ~ 5.5V	4.5V ~ 5.5V	4.5V ~ 5.5V	2.7V ~ 5.5V
Data Converters	A/D 8x10b	A/D 8x10b	A/D 8x10b	A/D 8x10b
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Core Size	8-Bit	8-Bit	8-Bit	8-Bit
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 105°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Number of I/O	32	32	32	53
Speed	16MHz	16MHz	16MHz	8MHz
Package / Case	44-TQFP	44-VFQFN Exposed Pad	44-TQFP	64-VFQFN Exposed Pad
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Oscillator Type	Internal	Internal	Internal	Internal
RAM Size	1K x 8	1K x 8	1K x 8	4K x 8
Series	AVR® ATmega	AVR® ATmega	AVR® ATmega	AVR® ATmega
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
EEPROM Size	512 x 8	512 x 8	512 x 8	4K x 8
Connectivity	I²C, SPI, UART/USART	I²C, SPI, UART/USART	I²C, SPI, UART/USART	EBI/EMI, I²C, SPI, UART/USART

### ATMEGA16-16AUR Datasheet PDF

Download ATMEGA16-16AUR pdf datasheets and Microchip Technology documentation for ATMEGA16-16AUR - Microchip Technology.

#### Datasheets

 ATMEGA16(L) Datasheet.pdf	 ATMEGA16(L) Summary.pdf
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#### PCN Packaging

 Transfer to Microchip/Label/Pkg 5/Sep/2016.pdf	 Tape and Reel Label Update 10/Feb/2015.pdf
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PCN Design/Specification

Marking Chgs 11/Jul/2017.pdf

PCN Assembly/Origin

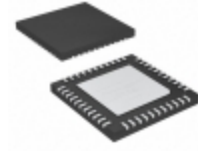
Assembly Site 01/Jul/2022.pdf

PCN Part Number


SL Code Number Update 25/Oct/2016.pdf

Customers Also Interested in


Recommended Products




**ATMEGA16-16MQ**  
Microchip Technology  
IC MCU 8BIT 16KB FLASH 44VQFN



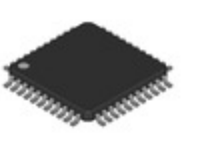
**ATMEGA16-16AU**  
Microchip Technology  
IC MCU 8BIT 16KB FLASH 44TQFP




**ATMEGA128L-8MU**  
Atmel  
IC MCU 8BIT 128KB FLASH 64QFN




**ATMEGA16-16AI**  
Microchip Technology  
IC MCU 8BIT 16KB FLASH 44TQFP



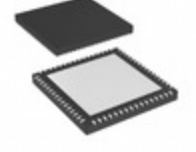
**ATMEGA16-16AUR**  
Atmel  
IC MCU 8BIT 16KB FLASH 44TQFP




**ATMEGA16-16PU**  
Microchip Technology  
IC MCU 8BIT 16KB FLASH 40DIP




**ATMEGA16-16MQ**  
Atmel  
IC MCU 8BIT 16KB FLASH 44VQFN



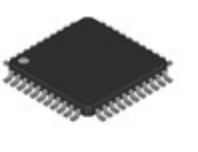
**ATMEGA128RFR2-ZU**  
Microchip Technology  
IC RF TXRX+MCU 802.15.4 64VFQFN



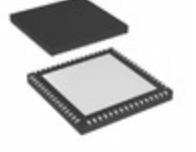
**ATMEGA16-16PI**  
Microchip Technology  
IC MCU 8BIT 16KB FLASH 40DIP



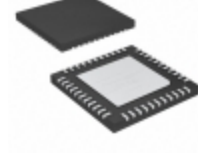
**ATMEGA128L8AU**  
Atmel (Microchip Technology)



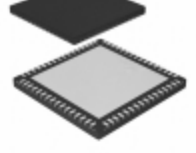
**ATMEGA16-16AU**  
Atmel  
IC MCU 8BIT 16KB FLASH 44TQFP




**ATMEGA128RFA1-ZF**  
Microchip Technology  
IC RF TXRX+MCU 802.15.4 64VFQFN




**ATMEGA16-16MC**  
Microchip Technology  
IC MCU 8BIT 16KB FLASH 44VQFN



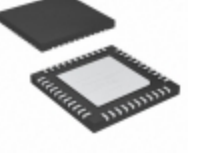
**ATMEGA128RFA1-ZU**  
Microchip Technology  
IC RF TXRX+MCU 802.15.4 64VFQFN




**ATMEGA1608-MUR**  
Microchip Technology  
IC MCU 8BIT 16KB FLASH 32VQFN



**ATMEGA1608-MFR**  
Microchip Technology  
IC MCU 8BIT 16KB FLASH 32VQFN



**ATMEGA16-16MU**  
Microchip Technology  
IC MCU 8BIT 16KB FLASH 44VQFN



**ATMEGA16-16MU**  
Atmel  
IC MCU 8BIT 16KB FLASH 44VQFN

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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