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See specifications for product details.



ATMEGA16M1-15AD

Manufacturer Part Number **ATMEGA16M1-15AD**

Manufacturer **Microchip Technology**

Allelco Part Number **32D-ATMEGA16M1-15AD**

ECAD Model [Request Free CAD Models](#)

Parts Description **IC MCU 8BIT 16KB FLASH 32TQFP**

Package **32-TQFP**

Data sheet [ATmega16,32,64\(C1,M1\) Appendix A.pdf](#)

[ATmega16,32,64\(C1,M1\) Auto Datasheet.pdf](#)

[ATmega16,32,64\(C1,M1\) Auto Summary.pdf](#)

RoHs Status **ROHS3 Compliant**

Get a Quote

ATMEGA16M1-15AD - Microchip Technology. New Original in Stock. Download Linear Technology ATMEGA16M1-15AD datasheet/specifications on AllelcoElec.com.
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Specifications

ATMEGA16M1-15AD Tech Specifications
ATMEGA16M1-15AD - Microchip Technology technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Microchip Technology	Package	Tape & Reel (TR)
Voltage - Supply (Vcc/Vdd)	2.7V ~ 5.5V	Oscillator Type	Internal
Supplier Device Package	32-TQFP (7x7)	Operating Temperature	-40°C ~ 150°C (TA)
Speed	16MHz	Mounting Type	Surface Mount
Series	Automotive, AEC-Q100, AVR® ATmega	EEPROM Size	512 x 8
RAM Size	1K x 8	Data Converters	A/D 11x10b; D/A 1x10b
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, Temp Sensor, WDT	Connectivity	CANbus, LINbus, SPI, UART/USART
Package / Case	32-TQFP	Base Product Number	ATMEGA16

Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology ATMEGA16M1-15AD

Product Attribute				
Part Number	ATMEGA16M1-15AD	ATMEGA16M1-15AZ	ATMEGA16L-8AU	ATMEGA16L-8PU
Manufacturer	Microchip Technology	Atmel	Atmel	Microchip Technology
Program Memory Size	16KB (8K x 16)	16KB (8K x 16)	16KB (8K x 16)	16KB (8K x 16)
Package / Case	32-TQFP	32-TQFP	44-TQFP	40-DIP (0.600", 15.24mm)
Connectivity	CANbus, LINbus, SPI, UART/USART	CANbus, LINbus, SPI, UART/USART	I ² C, SPI, UART/USART	I ² C, SPI, UART/USART
Voltage - Supply (Vcc/Vdd)	2.7V ~ 5.5V	2.7V ~ 5.5V	2.7V ~ 5.5V	2.7V ~ 5.5V
Base Product Number	ATMEGA16	ATMEGA16	ATMEGA16	ATMEGA16
Supplier Device Package	32-TQFP (7x7)	32-TQFP (7x7)	44-TQFP (10x10)	40-PDIP
RAM Size	1K x 8	1K x 8	1K x 8	1K x 8
Oscillator Type	Internal	Internal	Internal	Internal
Peripherals	Brown-out Detect/Reset, POR, PWM, Temp Sensor, WDT	Brown-out Detect/Reset, POR, PWM, Temp Sensor, WDT	Brown-out Detect/Reset, POR, PWM, WDT	Brown-out Detect/Reset, POR, PWM, WDT
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Through Hole
Speed	16MHz	16MHz	8MHz	8MHz
Core Size	8-Bit	8-Bit	8-Bit	8-Bit
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Core Processor	AVR	AVR	AVR	AVR
EEPROM Size	512 x 8	512 x 8	512 x 8	512 x 8
Series	Automotive, AEC-Q100, AVR® ATmega	Automotive, AEC-Q100, AVR® ATmega	AVR® ATmega	AVR® ATmega
Operating Temperature	-40°C ~ 150°C (TA)	-40°C ~ 125°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Data Converters	A/D 11x10b; D/A 1x10b	A/D 11x10b; D/A 1x10b	A/D 8x10b	A/D 8x10b
Package	Tape & Reel (TR)	Bulk	Bulk	Tube

ATMEGA16M1-15AD Datasheet PDF

Download ATMEGA16M1-15AD pdf datasheets and Microchip Technology documentation for ATMEGA16M1-15AD - Microchip Technology.

PCN Packaging

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

[Tape and Reel Label Update 10/Feb/2015.pdf](#)

PCN Design/Specification

[Cylindrical Battery Holders.pdf](#)



2.73KHz.pdf

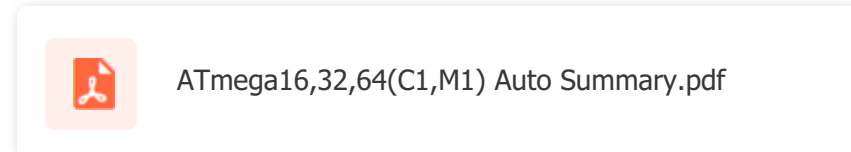
HTML Datasheet



ATmega16,32,64(C1,M1) Appendix A.pdf



ATmega16,32,64(C1,M1) Auto Datasheet.pdf



ATmega16,32,64(C1,M1) Auto Summary.pdf

Customers Also Interested in

Recommended Products

ATMEGA16M1-15AZ Atmel IC MCU 8BIT 16KB FLASH 32TQFP	ATMEGA16L-8AU Atmel IC MCU 8BIT 16KB FLASH 44TQFP	ATMEGA16L-8PU Microchip Technology IC MCU 8BIT 16KB FLASH 40DIP	ATMEGA16L-8AUR Microchip Technology IC MCU 8BIT 16KB FLASH 44TQFP	ATMEGA16L-8MU Microchip Technology IC MCU 8BIT 16KB FLASH 44VQFN	ATMEGA16M1-AU Microchip Technology IC MCU 8BIT 16KB FLASH 32TQFP
ATMEGA16L-8MC Microchip Technology IC MCU 8BIT 16KB FLASH 44VQFN	ATMEGA16M1-15MZ Atmel IC MCU 8BIT 16KB FLASH 32QFN	ATMEGA16L-8AI Microchip Technology IC MCU 8BIT 16KB FLASH 44TQFP	ATMEGA16L-8AU Atmel IC MCU 8BIT 16KB FLASH 44TQFP	ATMEGA16L-8MI Microchip Technology IC MCU 8BIT 16KB FLASH 44VQFN	ATMEGA16U2-AU Microchip Technology IC MCU 8BIT 16KB FLASH 32TQFP
ATMEGA16M1-15AZ Microchip Technology IC MCU 8BIT 16KB FLASH 32TQFP	ATMEGA16L-8AC Microchip Technology IC MCU 8BIT 16KB FLASH 44TQFP	ATMEGA16M1-15MZ Microchip Technology IC MCU 8BIT 16KB FLASH 32QFN	ATMEGA16L-8AU Microchip Technology IC MCU 8BIT 16KB FLASH 44TQFP	ATMEGA16M1-AU Atmel IC MCU 8BIT 16KB FLASH 32TQFP	ATMEGA16M1-MU Microchip Technology IC MCU 8BIT 16KB FLASH 32QFN

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.



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Contact us if you have any questions.

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