

Image may be representation.
See specifications for product details.



ATMEGA88-15AT1

Manufacturer Part Number	ATMEGA88-15AT1
Manufacturer	Microchip Technology
Allelco Part Number	32D-ATMEGA88-15AT1
ECAD Model	Request Free CAD Models
Parts Description	IC MCU 8BIT 8KB FLASH 32TQFP
Package	32-TQFP
Data sheet	Cylindrical Battery Holders.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

ATMEGA88-15AT1 - Microchip Technology. New Original in Stock. Download Linear Technology ATMEGA88-15AT1 datasheet/specifications on AllelcoElec.com. Request a quote for ATMEGA88-15AT1, please send us email: info@allelco.com

Specifications

ATMEGA88-15AT1 Tech Specifications
ATMEGA88-15AT1 - 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 ~ 105°C (TA)
Supplier Device Package	32-TQFP (7x7)	Number of I/O	23
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 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	32-TQFP	Base Product Number	ATMEGA88
Package	Tape & Reel (TR)		

Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology ATMEGA88-15AT1

Product Attribute				
Part Number	ATMEGA88-15AT1	ATMEGA8535L-8MC	ATMEGA88-20AU	ATMEGA88-15MT
Manufacturer	Microchip Technology	Microchip Technology	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
Base Product Number	ATMEGA88	ATMEGA8535	ATMEGA88	ATMEGA88
Package	Tape & Reel (TR)	Tray	Tray	Bulk
Series	Automotive, AEC-Q100, AVR® ATmega	AVR® ATmega	AVR® ATmega	Automotive, AEC-Q100, AVR® ATmega
Core Processor	AVR	AVR	AVR	AVR
Number of I/O	23	32	23	23
Oscillator Type	Internal	Internal	Internal	Internal
Speed	16MHz	8MHz	20MHz	16MHz
Voltage - Supply (Vcc/Vdd)	2.7V ~ 5.5V	2.7V ~ 5.5V	2.7V ~ 5.5V	2.7V ~ 5.5V
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Connectivity	I²C, SPI, UART/USART	I²C, SPI, UART/USART	I²C, SPI, UART/USART	I²C, SPI, UART/USART
Core Size	8-Bit	8-Bit	8-Bit	8-Bit
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Data Converters	A/D 8x10b	A/D 8x10b	A/D 8x10b	A/D 8x10b
Supplier Device Package	32-TQFP (7x7)	44-VQFN (7x7)	32-TQFP (7x7)	32-QFN (5x5)
RAM Size	1K x 8	512 x 8	1K x 8	1K x 8
Package / Case	32-TQFP	44-VFQFN Exposed Pad	32-TQFP	32-VFQFN Exposed Pad
EEPROM Size	512 x 8	512 x 8	512 x 8	512 x 8
Operating Temperature	-40°C ~ 105°C (TA)	0°C ~ 70°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Program Memory Size	8KB (4K x 16)	8KB (4K x 16)	8KB (4K x 16)	8KB (4K x 16)

ATMEGA88-15AT1 Datasheet PDF

Download ATMEGA88-15AT1 pdf datasheets and Microchip Technology documentation for ATMEGA88-15AT1 - Microchip Technology.

Datasheets

[Cylindrical Battery Holders.pdf](#)

PCN Packaging

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

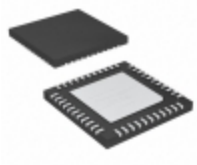











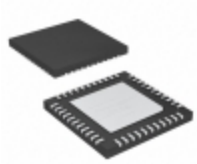





[Transfer to Microchip/Label/Pkg 5/Sep/2016.pdf](#)



Cylindrical Battery Holders.pdf

Customers Also Interested in

Recommended Products

					
ATMEGA8535L-8MC Microchip Technology IC MCU 8BIT 8KB FLASH 44VQFN	ATMEGA88-20AU Microchip Technology IC MCU 8BIT 8KB FLASH 32TQFP	ATMEGA88-15MT Atmel IC MCU 8BIT 8KB FLASH 32QFN	ATMEGA88-15MT1 Microchip Technology IC MCU 8BIT 8KB FLASH 32QFN	ATMEGA88-20AU Atmel IC MCU 8BIT 8KB FLASH 32TQFP	ATMEGA88-20AI Microchip Technology IC MCU 8BIT 8KB FLASH 32TQFP
					
ATMEGA88-15MZ Atmel IC MCU 8BIT 8KB FLASH 32QFN	ATMEGA8535L-8MU Atmel IC MCU 8BIT 8KB FLASH 44VQFN	ATMEGA88-15MZ Microchip Technology IC MCU 8BIT 8KB FLASH 32QFN	ATMEGA88-15AT Microchip Technology IC MCU 8BIT 8KB FLASH 32TQFP	ATMEGA8535L-8PU Microchip Technology IC MCU 8BIT 8KB FLASH 40DIP	ATMEGA8535L-8JU Microchip Technology IC MCU 8BIT 8KB FLASH 44PLCC
					
ATMEGA8535L-8MU Microchip Technology IC MCU 8BIT 8KB FLASH 44VQFN	ATMEGA8535L-8MUR Atmel IC MCU 8BIT 8KB FLASH 44VQFN	ATMEGA8535L-8JI Atmel IC MCU 8BIT 8KB FLASH 44PLCC	ATMEGA88-15AZ Microchip Technology IC MCU 8BIT 8KB FLASH 32TQFP	ATMEGA88-20AUR Microchip Technology IC MCU 8BIT 8KB FLASH 32TQFP	ATMEGA88-15MT Microchip Technology IC MCU 8BIT 8KB 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.



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



[View More](#)

Contact us

Address: Flat/Rm C 13/F Harvard Commercial Building 105-111 Thomson Road, Wan Chai, Hong Kong
Phone: +00852 9146 4856
Fax: +00852 3010 8510
Email: info@Allelco.com