

Image may be representation.
See specifications for product details.



ATMEGA88A-MU

Manufacturer Part Number	ATMEGA88A-MU
Manufacturer	Microchip Technology
Allelco Part Number	32D-ATMEGA88A-MU
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IC MCU 8BIT 8KB FLASH 32VQFN
Package	32-VFQFN Exposed Pad
Data sheet	Cylindrical Battery Holders.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

ATMEGA88A-MU - Microchip Technology. New Original in Stock. Download Linear Technology ATMEGA88A-MU datasheet/specifications on AllelcoElec.com.
Request a quote for ATMEGA88A-MU, please send us email: info@allelco.com

Specifications

ATMEGA88A-MU Tech Specifications

ATMEGA88A-MU - Microchip Technology technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Microchip Technology	Oscillator Type	Internal
Voltage - Supply (Vcc/Vdd)	1.8V ~ 5.5V	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package	32-VQFN (5x5)	Number of I/O	23
Speed	20MHz	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	8KB (4K x 16)	Core Processor	AVR
Peripherals	Brown-out Detect/Reset, POR, PWM, WDT	Connectivity	I ² C, SPI, UART/USART
Package / Case	32-VFQFN Exposed Pad	Base Product Number	ATMEGA88
Package	Tray		

Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology ATMEGA88A-MU

Product Attribute				
Part Number	ATMEGA88A-MU	ATMEGA88-20MUR	ATMEGA88A-MMH	ATMEGA88PA-AU
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
EEPROM Size	512 x 8	512 x 8	512 x 8	512 x 8
Package / Case	32-VFQFN Exposed Pad	32-VFQFN Exposed Pad	28-VFQFN Exposed Pad	32-TQFP
Series	AVR® ATmega	AVR® ATmega	AVR® ATmega	AVR® ATmega
Supplier Device Package	32-VQFN (5x5)	32-VQFN (5x5)	28-VQFN (4x4)	32-TQFP (7x7)
Program Memory Size	8KB (4K x 16)	8KB (4K x 16)	8KB (4K x 16)	8KB (4K x 16)
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
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
Voltage - Supply (Vcc/Vdd)	1.8V ~ 5.5V	2.7V ~ 5.5V	1.8V ~ 5.5V	1.8V ~ 5.5V
RAM Size	1K x 8	1K x 8	1K x 8	1K x 8
Core Processor	AVR	AVR	AVR	AVR
Connectivity	I ² C, SPI, UART/USART	I ² C, SPI, UART/USART	I ² C, SPI, UART/USART	I ² C, SPI, UART/USART
Speed	20MHz	20MHz	20MHz	20MHz
Oscillator Type	Internal	Internal	Internal	Internal
Base Product Number	ATMEGA88	ATMEGA88	ATMEGA88	ATMEGA88
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Data Converters	A/D 8x10b	A/D 8x10b	A/D 8x10b	A/D 8x10b
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Number of I/O	23	23	23	23
Package	Tray	Tape & Reel (TR)	Tray	Tray
Core Size	8-Bit	8-Bit	8-Bit	8-Bit

ATMEGA88A-MU Datasheet PDF

Download ATMEGA88A-MU pdf datasheets and Microchip Technology documentation for ATMEGA88A-MU - Microchip Technology.

Datasheets

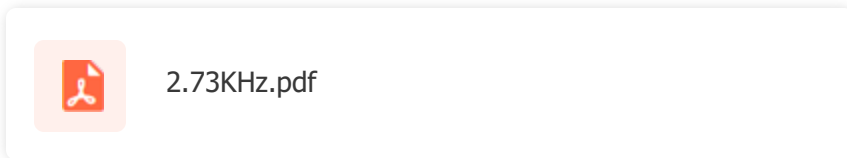
[Cylindrical Battery Holders.pdf](#)

PCN Packaging

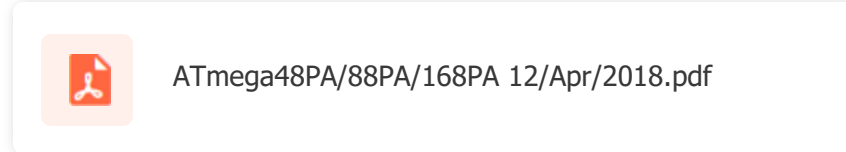
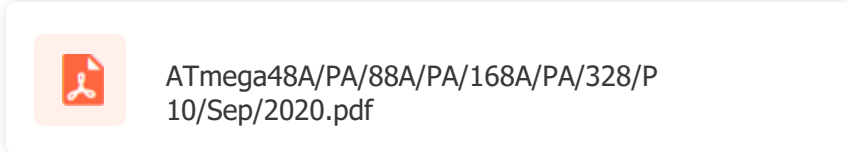
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[Transfer to Microchip/Label/Pkg 5/Sep/2016.pdf](#)

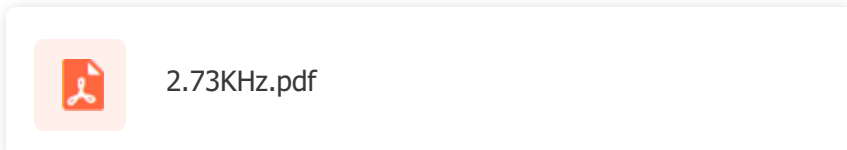
PCN Other



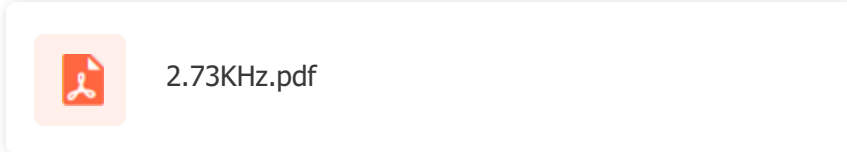
PCN Design/Specification



Errata



PCN Assembly/Origin



Customers Also Interested in

Recommended Products

ATMEGA88-20MUR Microchip Technology IC MCU 8BIT 8KB FLASH 32VQFN	ATMEGA88A-MMH Microchip Technology IC MCU 8BIT 8KB FLASH 28VQFN	ATMEGA88PA-AU Microchip Technology IC MCU 8BIT 8KB FLASH 32TQFP	ATMEGA88-20AUR Microchip Technology IC MCU 8BIT 8KB FLASH 32TQFP	ATMEGA88PA-AUR Microchip Technology IC MCU 8BIT 8KB FLASH 32TQFP	ATMEGA88-20PU Microchip Technology IC MCU 8BIT 8KB FLASH 28DIP
ATMEGA88-20MUR Atmel IC MCU 8BIT 8KB FLASH 32VQFN	ATMEGA88-20PI Microchip Technology IC MCU 8BIT 8KB FLASH 28DIP	ATMEGA88PA-15MZ Microchip Technology IC MCU 8BIT 8KB FLASH 32QFN	ATMEGA88P-20MU Microchip Technology IC MCU 8BIT 8KB FLASH 32VQFN	ATMEGA88PA-AN Microchip Technology IC MCU 8BIT 8KB FLASH 32TQFP	ATMEGA88MAF-15AZ Atmel (Microchip Technology)
ATMEGA88A-MMHR Microchip Technology IC MCU 8BIT 8KB FLASH 28VQFN	ATMEGA88PA-15AZ Microchip Technology IC MCU 8BIT 8KB FLASH 32TQFP	ATMEGA88PA-AU Atmel IC MCU 8BIT 8KB FLASH 32TQFP	ATMEGA88-20AUR Atmel IC MCU 8BIT 8KB FLASH 32TQFP	ATMEGA88A-AU Microchip Technology IC MCU 8BIT 8KB FLASH 32TQFP	ATMEGA88-20MU Microchip Technology IC MCU 8BIT 8KB FLASH 32VQFN

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
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Contact us if you have any questions.

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Certifications & Memberships



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