

Image may be representation.  
See specifications for product details.



## ATMEGA88PB-AU

Manufacturer Part Number	<b>ATMEGA88PB-AU</b>
Manufacturer	<b>Microchip Technology</b>
Allelco Part Number	32D-ATMEGA88PB-AU
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC MCU 8BIT 8KB FLASH 32TQFP
Package	32-TQFP
Data sheet	<a href="#">ATmega48/88/168PB Datasheet.pdf</a> <a href="#">Cylindrical Battery Holders.pdf</a>
RoHs Status	ROHS3 Compliant

**Get a Quote**

ATMEGA88PB-AU - Microchip Technology. New Original in Stock. Download Linear Technology ATMEGA88PB-AU datasheet/specifications on AllelcoElec.com. Request a quote for ATMEGA88PB-AU, please send us email: [info@allelco.com](mailto:info@allelco.com)

## Specifications

ATMEGA88PB-AU Tech Specifications

ATMEGA88PB-AU - 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-TQFP (7x7)	Number of I/O	27
Speed	20MHz	Mounting Type	Surface Mount
Series	AVR® ATmega, Functional Safety (FuSa)	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	Tray		

## Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology ATMEGA88PB-AU

Product Attribute				
Part Number	ATMEGA88PB-AU	ATMEGA88V-10AI	ATMEGA88PA-MUR	ATMEGA88PA-MMN
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Supplier Device Package	32-TQFP (7x7)	32-TQFP (7x7)	32-VQFN (5x5)	28-VQFN (4x4)
Connectivity	I²C, SPI, UART/USART	I²C, SPI, UART/USART	I²C, SPI, UART/USART	I²C, SPI, UART/USART
RAM Size	1K x 8	1K x 8	1K x 8	1K x 8
Voltage - Supply (Vcc/Vdd)	1.8V ~ 5.5V	1.8V ~ 5.5V	1.8V ~ 5.5V	1.8V ~ 5.5V
Core Size	8-Bit	8-Bit	8-Bit	8-Bit
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 105°C (TA)
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Program Memory Size	8KB (4K x 16)	8KB (4K x 16)	8KB (4K x 16)	8KB (4K x 16)
Package	Tray	Tray	Tape & Reel (TR)	Tray
Number of I/O	27	23	23	23
EEPROM Size	512 x 8	512 x 8	512 x 8	512 x 8
Package / Case	32-TQFP	32-TQFP	32-VFQFN Exposed Pad	28-VFQFN Exposed Pad
Data Converters	A/D 8x10b	A/D 8x10b	A/D 8x10b	A/D 8x10b
Base Product Number	ATMEGA88	ATMEGA88	ATMEGA88	ATMEGA88
Oscillator Type	Internal	Internal	Internal	Internal
Core Processor	AVR	AVR	AVR	AVR
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Speed	20MHz	10MHz	20MHz	20MHz
Series	AVR® ATmega, Functional Safety (FuSa)	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

## ATMEGA88PB-AU Datasheet PDF

Download ATMEGA88PB-AU pdf datasheets and Microchip Technology documentation for ATMEGA88PB-AU - Microchip Technology.

### Datasheets

[ATmega48/88/168PB Datasheet.pdf](#)

### PCN Packaging

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

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

## PCN Design/Specification



ATMEGA Datasheet 13/Dec/2018.pdf



ATmega48PB/88PB/168PB 20/Oct/2021.pdf

## PCN Assembly/Origin



2.73KHz.pdf

## HTML Datasheet



Cylindrical Battery Holders.pdf

## Customers Also Interested in

### Recommended Products



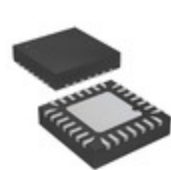
#### ATMEGA88V-10AI

Microchip Technology  
IC MCU 8BIT 8KB FLASH 32TQFP



#### ATMEGA88PA-MUR

Microchip Technology  
IC MCU 8BIT 8KB FLASH 32VQFN



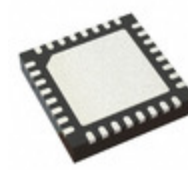
#### ATMEGA88PA-MMN

Microchip Technology  
IC MCU 8BIT 8KB FLASH 28VQFN



#### ATMEGA88PA-MUR

Atmel  
IC MCU 8BIT 8KB FLASH 32VQFN



#### ATMEGA88PV-10MU

Microchip Technology  
IC MCU 8BIT 8KB FLASH 32VQFN



#### ATMEGA88PA-MU

Atmel  
IC MCU 8BIT 8KB FLASH 32VQFN



#### ATMEGA88PV-10AUR

Microchip Technology  
IC MCU 8BIT 8KB FLASH 32TQFP



#### ATMEGA88PA-MMU

Atmel  
IC MCU 8BIT 8KB FLASH 28VQFN



#### ATMEGA88PA-PU

Atmel  
IC MCU 8BIT 8KB FLASH 28DIP



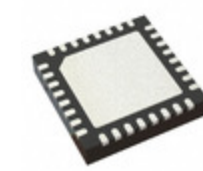
#### ATMEGA88PA-PU

Microchip Technology  
IC MCU 8BIT 8KB FLASH 28DIP



#### ATMEGA88PB-MU

Microchip Technology  
IC MCU 8BIT 8KB FLASH 32VQFN



#### ATMEGA88PA-MU

Microchip Technology  
IC MCU 8BIT 8KB FLASH 32VQFN



#### ATMEGA88PV-10AU

Microchip Technology  
IC MCU 8BIT 8KB FLASH 32TQFP



#### ATMEGA88PV-10MU

Atmel  
IC MCU 8BIT 8KB FLASH 32VQFN



#### ATMEGA88PB-MU

Atmel  
IC MCU 8BIT 8KB FLASH 32VQFN



#### ATMEGA88V-10AU

Microchip Technology  
IC MCU 8BIT 8KB FLASH 32TQFP



#### ATMEGA88PB-ANR

Microchip Technology  
IC MCU 8BIT 8KB FLASH 32TQFP



#### ATMEGA88PA-MMN

Atmel  
IC MCU 8BIT 8KB FLASH 28VQFN

## 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 Alleco 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

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Email

info@alleco.com

## Certifications & Memberships



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