



Image may be representation.  
See specifications for product details.



## ATMEGA88PA-AN

Manufacturer Part Number	<b>ATMEGA88PA-AN</b>
Manufacturer	<b>Microchip Technology</b>
Allelco Part Number	32D-ATMEGA88PA-AN
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IC MCU 8BIT 8KB FLASH 32TQFP
Package	32-TQFP
Data sheet	<b>Cylindrical Battery Holders.pdf</b>
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

ATMEGA88PA-AN - Microchip Technology. New Original in Stock. Download Linear Technology ATMEGA88PA-AN datasheet/specifications on AllelcoElec.com. Request a quote for ATMEGA88PA-AN, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

ATMEGA88PA-AN Tech Specifications

ATMEGA88PA-AN - 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 ~ 105°C (TA)
Supplier Device Package	32-TQFP (7x7)	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 <sup>2</sup> C, 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 ATMEGA88PA-AN

Product Attribute				
Part Number	ATMEGA88PA-AN	ATMEGA88PA-MMH	ATMEGA88-20PU	ATMEGA88PA-AUR
Manufacturer	Microchip Technology	Atmel	Microchip Technology	Atmel
Oscillator Type	Internal	Internal	Internal	Internal
Supplier Device Package	32-TQFP (7x7)	28-VQFN (4x4)	28-PDIP	32-TQFP (7x7)
Base Product Number	ATMEGA88	ATMEGA88	ATMEGA88	ATMEGA88
Number of I/O	23	23	23	23
Core Processor	AVR	AVR	AVR	AVR
Data Converters	A/D 8x10b	A/D 8x10b	A/D 6x10b	A/D 8x10b
Package / Case	32-TQFP	28-VQFN Exposed Pad	28-DIP (0.300", 7.62mm)	32-TQFP
Connectivity	I <sup>2</sup> C, SPI, UART/USART	I <sup>2</sup> C, SPI, UART/USART	I <sup>2</sup> C, SPI, UART/USART	I <sup>2</sup> C, SPI, UART/USART
Speed	20MHz	20MHz	20MHz	20MHz
Series	AVR® ATmega	AVR® ATmega	AVR® ATmega	AVR® ATmega
EEPROM Size	512 x 8	512 x 8	512 x 8	512 x 8
Package	Tray	Bulk	Tube	Bulk
RAM Size	1K x 8	1K x 8	1K x 8	1K x 8
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Core Size	8-Bit	8-Bit	8-Bit	8-Bit
Mounting Type	Surface Mount	Surface Mount	Through Hole	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
Operating Temperature	-40°C ~ 105°C (TA)	-40°C ~ 85°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)
Voltage - Supply (Vcc/Vdd)	1.8V ~ 5.5V	1.8V ~ 5.5V	2.7V ~ 5.5V	1.8V ~ 5.5V

### ATMEGA88PA-AN Datasheet PDF

Download ATMEGA88PA-AN pdf datasheets and Microchip Technology documentation for ATMEGA88PA-AN - Microchip Technology.

#### Datasheets








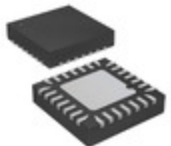
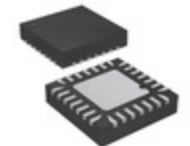



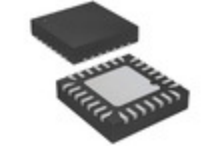


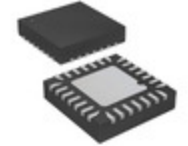


[Cylindrical Battery Holders.pdf](#)

#### Errata

[2.73KHz.pdf](#)

## Customers Also Interested in

### Recommended Products

 <b>ATMEGA88PA-MMH</b> Atmel IC MCU 8BIT 8KB FLASH 28VQFN	 <b>ATMEGA88PA-15AZT</b> Atmel (Microchip Technology)	 <b>ATMEGA88-20PU</b> Microchip Technology IC MCU 8BIT 8KB FLASH 28DIP	 <b>ATMEGA88PA-AUR</b> Atmel IC MCU 8BIT 8KB FLASH 32TQFP	 <b>ATMEGA88A-MU</b> Microchip Technology IC MCU 8BIT 8KB FLASH 32VQFN	 <b>ATMEGA88A-AU</b> Microchip Technology IC MCU 8BIT 8KB FLASH 32TQFP
 <b>ATMEGA88PA-AU</b> Atmel IC MCU 8BIT 8KB FLASH 32TQFP	 <b>ATMEGA88A-MMH</b> Microchip Technology IC MCU 8BIT 8KB FLASH 28VQFN	 <b>ATMEGA88PA-MMH</b> Microchip Technology IC MCU 8BIT 8KB FLASH 28VQFN	 <b>ATMEGA88PA-AU</b> Microchip Technology IC MCU 8BIT 8KB FLASH 32TQFP	 <b>ATMEGA88P-20MU</b> Microchip Technology IC MCU 8BIT 8KB FLASH 32VQFN	 <b>ATMEGA88PA-CCUR</b> Microchip Technology IC MCU 8BIT 8KB FLASH 32UFBGA
 <b>ATMEGA88A-MMHR</b> Microchip Technology IC MCU 8BIT 8KB FLASH 28VQFN	 <b>ATMEGA88PA-15MZ</b> Microchip Technology IC MCU 8BIT 8KB FLASH 32QFN	 <b>ATMEGA88PA-15AZ</b> Microchip Technology IC MCU 8BIT 8KB FLASH 32TQFP	 <b>ATMEGA88PA-MMHR</b> Microchip Technology IC MCU 8BIT 8KB FLASH 28VQFN	 <b>ATMEGA88MAF-15AZ</b> Atmel (Microchip Technology)	 <b>ATMEGA88PA-AUR</b> Microchip Technology IC MCU 8BIT 8KB FLASH 32TQFP

## 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 -



Contact us if you have any questions.



### Certifications & Memberships



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