

Image may be representation.
See specifications for product details.



ATMEGA88PB-MU

| | |
|--------------------------|--|
| Manufacturer Part Number | ATMEGA88PB-MU |
| Manufacturer | Microchip Technology |
| Allelco Part Number | 32D-ATMEGA88PB-MU |
| ECAD Model | Request Free CAD Models |
| Parts Description | IC MCU 8BIT 8KB FLASH 32VFQFN |
| Package | 32-VFQFN Exposed Pad |
| Data sheet | ATmega48/88/168PB Datasheet.pdf Cylindrical Battery Holders.pdf |
| RoHs Status | ROHS3 Compliant |

Get a Quote

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

Specifications

ATMEGA88PB-MU Tech Specifications
ATMEGA88PB-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-VFQFN (5x5) | 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-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 ATMEGA88PB-MU

| Product Attribute | | | | |
|----------------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|
| Part Number | ATMEGA88PB-MU | ATMEGA88V-10AU | ATMEGA88PA-MUR | ATMEGA88PV-10AUR |
| Manufacturer | Microchip Technology | Microchip Technology | Microchip Technology | Microchip Technology |
| Core Processor | AVR | AVR | AVR | AVR |
| Core Size | 8-Bit | 8-Bit | 8-Bit | 8-Bit |
| RAM Size | 1K x 8 | 1K x 8 | 1K x 8 | 1K x 8 |
| 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 |
| Package | Tray | Tray | Tape & Reel (TR) | Tape & Reel (TR) |
| Speed | 20MHz | 10MHz | 20MHz | 10MHz |
| EEPROM Size | 512 x 8 | 512 x 8 | 512 x 8 | 512 x 8 |
| Package / Case | 32-VFQFN Exposed Pad | 32-TQFP | 32-VFQFN Exposed Pad | 32-TQFP |
| Oscillator Type | Internal | Internal | Internal | Internal |
| Series | AVR® ATmega, Functional Safety (FuSa) | AVR® ATmega | AVR® ATmega | AVR® ATmega |
| Supplier Device Package | 32-VFQFN (5x5) | 32-TQFP (7x7) | 32-VQFN (5x5) | 32-TQFP (7x7) |
| Mounting Type | Surface Mount | Surface Mount | Surface Mount | Surface Mount |
| Connectivity | I²C, SPI, UART/USART | I²C, SPI, UART/USART | I²C, SPI, UART/USART | I²C, SPI, UART/USART |
| Program Memory Size | 8KB (4K x 16) | 8KB (4K x 16) | 8KB (4K x 16) | 8KB (4K x 16) |
| Operating Temperature | -40°C ~ 85°C (TA) | -40°C ~ 85°C (TA) | -40°C ~ 85°C (TA) | -40°C ~ 85°C (TA) |
| Program Memory Type | FLASH | FLASH | FLASH | FLASH |
| Base Product Number | ATMEGA88 | ATMEGA88 | ATMEGA88 | ATMEGA88 |
| Data Converters | A/D 8x10b | A/D 8x10b | A/D 8x10b | A/D 8x10b |
| Number of I/O | 27 | 23 | 23 | 23 |
| Voltage - Supply (Vcc/Vdd) | 1.8V ~ 5.5V | 1.8V ~ 5.5V | 1.8V ~ 5.5V | 1.8V ~ 5.5V |

ATMEGA88PB-MU Datasheet PDF

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

Datasheets

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

PCN Packaging

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

[Boxes 07/Dec/2016.pdf](#)

HTML Datasheet

 Cylindrical Battery Holders.pdf

PCN Design/Specification

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






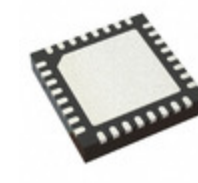
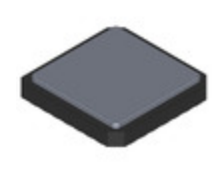



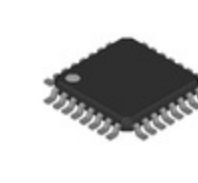





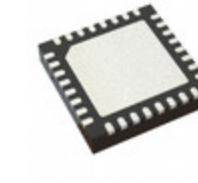

 ATmega48PB/88PB/168PB 25/Aug/2017.pdf

PCN Assembly/Origin

 2.73KHz.pdf

Customers Also Interested in

Recommended Products

| | | | | | |
|---|---|---|--|---|---|
|  |  |  |  |  |  |
| ATMEGA88V-10AU Microchip Technology IC MCU 8BIT 8KB FLASH 32TQFP | ATMEGA88PA-MUR Microchip Technology IC MCU 8BIT 8KB FLASH 32VQFN | ATMEGA88PV-10AUR Microchip Technology IC MCU 8BIT 8KB FLASH 32TQFP | ATMEGA88V-10AUR Microchip Technology IC MCU 8BIT 8KB FLASH 32TQFP | ATMEGA88PB-ANR Microchip Technology IC MCU 8BIT 8KB FLASH 32TQFP | ATMEGA88PA-MU Microchip Technology IC MCU 8BIT 8KB FLASH 32VQFN |
|  |  |  |  |  |  |
| ATMEGA88PA-MMU Atmel IC MCU 8BIT 8KB FLASH 28VQFN | ATMEGA88PB-AU Microchip Technology IC MCU 8BIT 8KB FLASH 32TQFP | ATMEGA88PB-MU Atmel IC MCU 8BIT 8KB FLASH 32VQFN | ATMEGA88PV-10MU Atmel IC MCU 8BIT 8KB FLASH 32VQFN | ATMEGA88V-10AUR Atmel IC MCU 8BIT 8KB FLASH 32TQFP | ATMEGA88V-10AI Microchip Technology IC MCU 8BIT 8KB FLASH 32TQFP |
|  |  |  |  |  |  |
| ATMEGA88PA-MU Atmel IC MCU 8BIT 8KB FLASH 32VQFN | ATMEGA88PA-PU Atmel IC MCU 8BIT 8KB FLASH 28DIP | ATMEGA88PV-10AU Microchip Technology IC MCU 8BIT 8KB FLASH 32TQFP | ATMEGA88PA-MUR Atmel IC MCU 8BIT 8KB FLASH 32VQFN | ATMEGA88PV-10MU Microchip Technology IC MCU 8BIT 8KB FLASH 32VQFN | ATMEGA88PA-PU Microchip Technology IC MCU 8BIT 8KB FLASH 28DIP |

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

