

Image may be representation.
See specifications for product details.



ATMEGA48-20PU

| | |
|--------------------------|----------------------------------|
| Manufacturer Part Number | ATMEGA48-20PU |
| Manufacturer | Atmel |
| Allelco Part Number | 32D-ATMEGA48-20PU |
| ECAD Model | PCB Symbol, Footprint & 3D Model |
| Parts Description | IC MCU 8BIT 4KB FLASH 28DIP |
| Package | 28-DIP (0.300", 7.62mm) |
| Data sheet | ATMEGA48-20PU.pdf |

Get a Quote

ATMEGA48-20PU - Atmel.New Original in Stock. Download Linear Technology ATMEGA48-20PU datasheet/specifications on AllelcoElec.com.
Request a quote for ATMEGA48-20PU, please send us email: info@allelco.com

Specifications

ATMEGA48-20PU Tech Specifications
ATMEGA48-20PU - Atmel technical specifications, attributes, parameters

| Product Attribute | Attribute Value | Product Attribute | Attribute Value |
|----------------------------|---------------------------------------|-----------------------|-----------------------------------|
| Manufacturer | Atmel | Oscillator Type | Internal |
| Voltage - Supply (Vcc/Vdd) | 2.7V ~ 5.5V | Operating Temperature | -40°C ~ 85°C (TA) |
| Supplier Device Package | 28-PDIP | Number of I/O | 23 |
| Speed | 20MHz | Mounting Type | Through Hole |
| Series | AVR® ATmega | EEPROM Size | 256 x 8 |
| RAM Size | 512 x 8 | Data Converters | A/D 6x10b |
| Program Memory Type | FLASH | Core Size | 8-Bit |
| Program Memory Size | 4KB (2K x 16) | Core Processor | AVR |
| Peripherals | Brown-out Detect/Reset, POR, PWM, WDT | Connectivity | I ² C, SPI, UART/USART |
| Package / Case | 28-DIP (0.300", 7.62mm) | Base Product Number | ATMEGA48 |
| Package | Bulk | | |

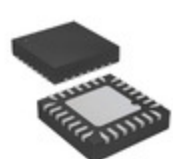
Parts with Similar Specifications

The three parts on the right have similar specifications to Atmel ATMEGA48-20PU

| Product Attribute | | | | |
|----------------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|
| Part Number | ATMEGA48-20PU | ATMEGA48-20MMU | ATMEGA48-20AU | ATMEGA48-20AUR |
| Manufacturer | Atmel | Microchip Technology | Microchip Technology | Atmel |
| Core Size | 8-Bit | 8-Bit | 8-Bit | 8-Bit |
| Package | Bulk | Tray | Tray | Bulk |
| Base Product Number | ATMEGA48 | ATMEGA48 | ATMEGA48 | ATMEGA48 |
| Number of I/O | 23 | 23 | 23 | 23 |
| Data Converters | A/D 6x10b | A/D 8x10b | A/D 8x10b | A/D 8x10b |
| RAM Size | 512 x 8 | 512 x 8 | 512 x 8 | 512 x 8 |
| Package / Case | 28-DIP (0.300", 7.62mm) | 28-VQFN Exposed Pad | 32-TQFP | 32-TQFP |
| Program Memory Size | 4KB (2K x 16) | 4KB (2K x 16) | 4KB (2K x 16) | 4KB (2K x 16) |
| 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 |
| Series | AVR® ATmega | 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 |
| EEPROM Size | 256 x 8 | 256 x 8 | 256 x 8 | 256 x 8 |
| Mounting Type | Through Hole | Surface Mount | Surface Mount | Surface Mount |
| Speed | 20MHz | 20MHz | 20MHz | 20MHz |
| 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 |
| Core Processor | AVR | AVR | AVR | AVR |
| Oscillator Type | Internal | Internal | Internal | Internal |
| Supplier Device Package | 28-PDIP | 28-VQFN (4x4) | 32-TQFP (7x7) | 32-TQFP (7x7) |
| Operating Temperature | -40°C ~ 85°C (TA) | -40°C ~ 85°C (TA) | -40°C ~ 85°C (TA) | -40°C ~ 85°C (TA) |

Customers Also Interested in

Recommended Products



ATMEGA48-20MMU
Microchip Technology
IC MCU 8BIT 4KB FLASH 28VQFN



ATMEGA48-20AU
Microchip Technology
IC MCU 8BIT 4KB FLASH 32TQFP



ATMEGA48-20AUR
Atmel
IC MCU 8BIT 4KB FLASH 32TQFP



ATMEGA48-20MU
Atmel
IC MCU 8BIT 4KB FLASH 32VQFN



ATMEGA48-20AJ
Microchip Technology
IC MCU 8BIT 4KB FLASH 32TQFP

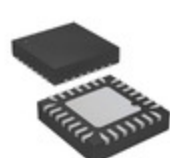


ATMEGA48A-AU
Microchip Technology
IC MCU 8BIT 4KB FLASH 32TQFP



ATMEGA4809-AF

Microchip Technology
IC MCU 8BIT 48KB FLASH 48TQFP



ATMEGA48A-MMH

Microchip Technology
IC MCU 8BIT 4KB FLASH 28VQFN



ATMEGA48A-MUR

Microchip Technology
IC MCU 8BIT 4KB FLASH 32VQFN



ATMEGA4809-AFR

Microchip Technology
IC MCU 8BIT 48KB FLASH 48TQFP



ATMEGA48-20PU

Microchip Technology
IC MCU 8BIT 4KB FLASH 28DIP



ATMEGA4809-AU

Microchip Technology
IC MCU 8BIT 48KB FLASH 48TQFP



ATMEGA48A-AUR

Microchip Technology
IC MCU 8BIT 4KB FLASH 32TQFP



ATMEGA48-20AUR

Microchip Technology
IC MCU 8BIT 4KB FLASH 32TQFP



ATMEGA48A-PU

Microchip Technology
IC MCU 8BIT 4KB FLASH 28DIP



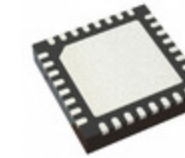
ATMEGA48A-AU

Atmel
IC MCU 8BIT 4KB FLASH 32TQFP



ATMEGA48-20AU

Atmel
IC MCU 8BIT 4KB FLASH 32TQFP



ATMEGA48-20MU

Microchip Technology
IC MCU 8BIT 4KB 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

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