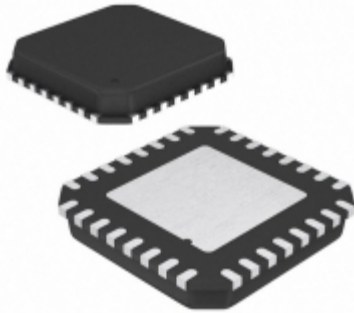


ATMEGA48-20MU



Images are for reference only.  
See Product Specifications for product details.  
**Buy ATMEGA48-20MU with confidence from Component-World.HK, 1 Year Warranty**



**Part Number:** [ATMEGA48-20MU](#)

**Manufacturer:** [Micrel / Microchip Technology](#)

**Description:** IC MCU 8BIT 4KB FLASH 32VQFN

**Data sheet:**  [ATMEGA48/88/168\(V\) Complete](#)  
 [ATMEGA48,88,168\(V\) Datasheet](#)

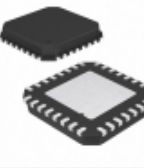
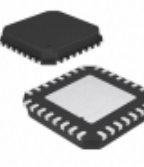
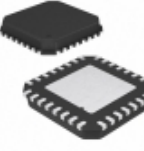
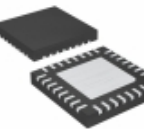
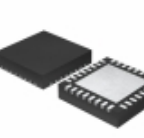
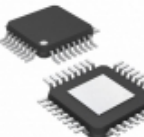
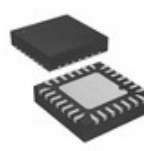
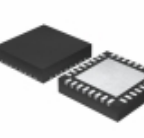
**RoHs Status:** Lead free / RoHS Compliant

**Ship From:** Hong Kong

**Shipment Way:** DHL/Fedex/TNT/UPS/EMS

Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                           |                                  |                                                                                             |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|----------------------------------|---------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | ATMEGA48-20MU                             | Manufacturer                     | <a href="#">Micrel / Microchip Technology</a>                                               |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | IC MCU 8BIT 4KB FLASH 32VQFN              | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                  |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 67737 pcs                                 | Data sheet                       | <a href="#">ATMEGA48/88/168(V) Complete</a><br><a href="#">ATMEGA48,88,168(V) Datasheet</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply (Vcc/Vdd)       | 2.7 V ~ 5.5 V                                                                               |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 32-VQFN (5x5)                             | Speed                            | 20MHz                                                                                       |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | AVR® ATmega                               | RAM Size                         | 512 x 8                                                                                     |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | FLASH                                     | Program Memory Size              | 4KB (2K x 16)                                                                               |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Brown-out Detect/Reset, POR, PWM, WDT     | Packaging                        | Tray                                                                                        |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 32-VFQFN Exposed Pad                      | Other Names                      | ATMEGA4820MU                                                                                |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Internal                                  | Operating Temperature            | -40°C ~ 85°C (TA)                                                                           |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 23                                        | Moisture Sensitivity Level (MSL) | 3 (168 Hours)                                                                               |
| Manufacturer Standard Lead Time                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 6 Weeks                                   | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                  |
| EEPROM Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 256 x 8                                   | Detailed Description             | AVR AVR® ATmega Microcontroller IC 8-Bit 20MHz 4KB (2K x 16) FLASH 32-VQFN (5x5)            |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | A/D 8x10b                                 | Core Size                        | 8-Bit                                                                                       |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | AVR                                       | Connectivity                     | I²C, SPI, UART/USART                                                                        |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | ATMEGA48                                  |                                  |                                                                                             |
| Component-World.com is a Reliable Stocking Distributor of Electronic Components. We specialize in all Micrel / Microchip Technology series electronic components. We have 67737 pieces of Micrel / Microchip Technology ATMEGA48-20MU in stock available now. Request a quote from electronics components distributor at Component-World.com, our sales team will contact you within 24 hours.<br>RFQ Email: <a href="mailto:info@Components-World.com">info@Components-World.com</a> |                                           |                                  |                                                                                             |

| RELATED PRODUCTS                                                                   |                                                                                         |                                                              |                |
|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|--------------------------------------------------------------|----------------|
|  | Part#: <a href="#">ATMEGA48A-AU</a><br>Description: IC MCU 8BIT 4KB FLASH 32TQFP        | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATMEGA48-20MI</a><br>Description: IC MCU 8BIT 4KB FLASH 32VQFN       | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATMEGA4809-MFR</a><br>Description: 20MHZ, 48KB, UQFN48, IND 125C, G  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATMEGA48-20MJ</a><br>Description: IC MCU 8BIT 4KB FLASH 32VQFN       | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATMEGA48-20MUR</a><br>Description: IC MCU 8BIT 4KB FLASH 32VQFN      | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATMEGA48-20PU</a><br>Description: IC MCU 8BIT 4KB FLASH 28DIP        | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATMEGA48-20AJ</a><br>Description: IC MCU 8BIT 4KB FLASH 32TQFP       | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATMEGA48-20AUR</a><br>Description: IC MCU 8BIT 4KB FLASH 32TQFP      | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATMEGA4808-MFR</a><br>Description: 20MHZ, 48KB, VQFN32, IND 125C, G  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATMEGA48-15MT1</a><br>Description: IC MCU 8BIT 4KB FLASH 32QFN       | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATMEGA48-20PI</a><br>Description: IC MCU 8BIT 4KB FLASH 28DIP        | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATMEGA48-20AU</a><br>Description: IC MCU 8BIT 4KB FLASH 32TQFP       | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATMEGA4808-AFR</a><br>Description: 20MHZ, 48KB, TQFP32, IND 125C, G  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATMEGA48-20MMU</a><br>Description: IC MCU 8BIT 4KB FLASH 28VQFN      | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATMEGA48-20MMH</a><br>Description: IC MCU 8BIT 4KB FLASH 28VQFN      | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATMEGA48-20AI</a><br>Description: IC MCU 8BIT 4KB FLASH 32TQFP       | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATMEGA4809-XPRO</a><br>Description: ATMEGA4809 XPLAINED PRO EVAL BRD | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATMEGA48-15MZ</a><br>Description: IC MCU 8BIT 4KB FLASH 32QFN        | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATMEGA4809-AFR</a><br>Description: 20MHZ 48KB TQFP48 IND 125C GREEN  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATMEGA48-20PJ</a><br>Description: IC MCU 8BIT 4KB FLASH 28DIP        | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |

|                                             |                                    |                                                         |                     |
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