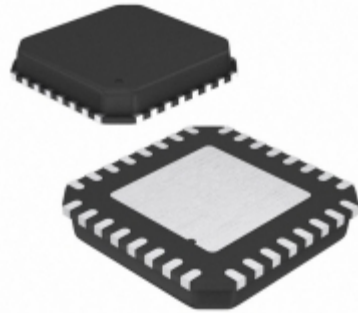


ATMEGA48-20MI



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



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

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

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

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

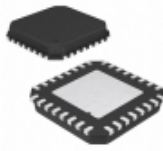
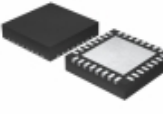
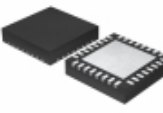
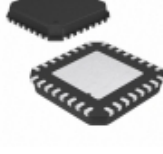
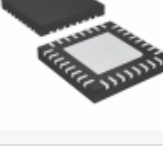
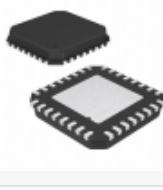
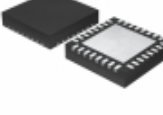
**RoHs Status:** Contains lead / RoHS non-compliant

**Ship From:** Hong Kong

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

[Request For Quotation](#)

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                  |                                  |                                                                                             |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|----------------------------------|---------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | ATMEGA48-20MI                                                                    | Manufacturer                     | <a href="#">Micrel / Microchip Technology</a>                                               |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | IC MCU 8BIT 4KB FLASH 32VQFN                                                     | Lead Free Status / RoHS Status   | Contains lead / RoHS non-compliant                                                          |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 4679 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-VQFN Exposed Pad                                                              | Other Names                      | ATMEGA48-24MI<br>ATMEGA48-24MI-ND                                                           |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Internal                                                                         | Operating Temperature            | -40°C ~ 85°C (TA)                                                                           |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 23                                                                               | Moisture Sensitivity Level (MSL) | 1 (Unlimited)                                                                               |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Contains lead / RoHS non-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                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | PC, 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 4679 pieces of Micrel / Microchip Technology ATMEGA48-20MI 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="#">ATMEGA48-20MJ</a><br>Description: IC MCU 8BIT 4KB FLASH 32VQFN      | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ATMEGA48-20PI</a><br>Description: IC MCU 8BIT 4KB FLASH 28DIP       | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ATMEGA48-15MT</a><br>Description: IC MCU 8BIT 4KB FLASH 32QFN       | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ATMEGA48-20AUR</a><br>Description: IC MCU 8BIT 4KB FLASH 32TQFP     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ATMEGA48-15MT1</a><br>Description: IC MCU 8BIT 4KB FLASH 32QFN      | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ATMEGA48-20AI</a><br>Description: IC MCU 8BIT 4KB FLASH 32TQFP      | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ATMEGA48-15AZV</a><br>Description: IC MCU 8BIT 4KB FLASH 32TQFP     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ATMEGA48-15AZ</a><br>Description: IC MCU 8BIT 4KB FLASH 32TQFP      | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ATMEGA48-20MU</a><br>Description: IC MCU 8BIT 4KB FLASH 32VQFN      | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ATMEGA4808-MFR</a><br>Description: 20MHZ, 48KB, VQFN32, IND 125C, G | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ATMEGA48-20MMU</a><br>Description: IC MCU 8BIT 4KB FLASH 28VQFN     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ATMEGA48-20MUR</a><br>Description: IC MCU 8BIT 4KB FLASH 32VQFN     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ATMEGA48-15AT1</a><br>Description: IC MCU 8BIT 4KB FLASH 32TQFP     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ATMEGA48-20PJ</a><br>Description: IC MCU 8BIT 4KB FLASH 28DIP       | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ATMEGA48-15MZ</a><br>Description: IC MCU 8BIT 4KB FLASH 32QFN       | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ATMEGA4808-AFR</a><br>Description: 20MHZ, 48KB, TQFP32, IND 125C, G | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ATMEGA48-20PU</a><br>Description: IC MCU 8BIT 4KB FLASH 28DIP       | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ATMEGA48-20AJ</a><br>Description: IC MCU 8BIT 4KB FLASH 32TQFP      | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ATMEGA48-20AU</a><br>Description: IC MCU 8BIT 4KB FLASH 32TQFP      | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ATMEGA48-20MMH</a><br>Description: IC MCU 8BIT 4KB FLASH 28VQFN     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |

Related keywords for ATMEGA48-20MI

|                                             |                                    |                                                         |                     |
|---------------------------------------------|------------------------------------|---------------------------------------------------------|---------------------|
| Micrel / Microchip Technology ATMEGA48-20MI | ATMEGA48-20MI distributor          | ATMEGA48-20MI supplier                                  | ATMEGA48-20MI price |
| ATMEGA48-20MI download datasheet            | ATMEGA48-20MI datasheet            | ATMEGA48-20MI stock                                     | buy ATMEGA48-20MI   |
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