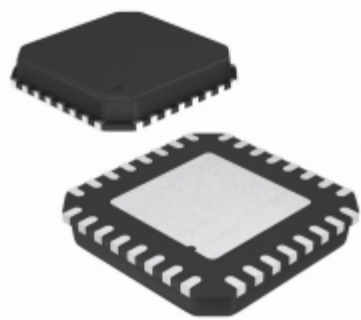


ATMEGA48-20MUR





Part Number: [ATMEGA48-20MUR](#)

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

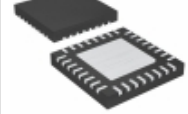
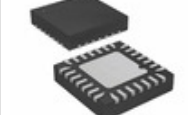
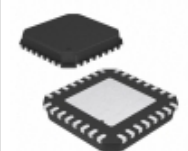
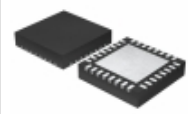
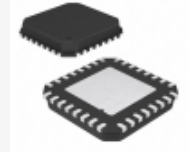
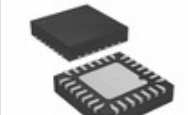
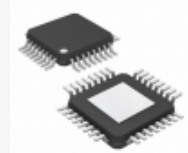
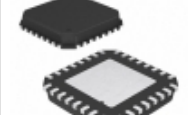
Shipment Way: DHL/Fedex/TNT/UPS/EMS

Images are for reference only.  
See Product Specifications for product details.  
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Request For Quotation

| PRODUCT PARAMETER               |                                           |                                  |                                                                                             |
|---------------------------------|-------------------------------------------|----------------------------------|---------------------------------------------------------------------------------------------|
| Part Number                     | ATMEGA48-20MUR                            | 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              | 59758 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                        | Tape & Reel (TR)                                                                            |
| Package / Case                  | 32-VQFN Exposed Pad                       | Other Names                      | ATMEGA48-20MUR-ND<br>ATMEGA48-20MURTR<br>ATMEGA4820MUR                                      |
| 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                                  |                                  |                                                                                             |

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| RELATED PRODUCTS                                                                   |                                                                                         |                                                              |                |
|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|--------------------------------------------------------------|----------------|
|  | 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="#">ATMEGA4808-MFR</a><br>Description: 20MHZ, 48KB, VQFN32, IND 125C, G  | 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="#">ATMEGA48-20MMH</a><br>Description: IC MCU 8BIT 4KB FLASH 28VQFN      | 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="#">ATMEGA48-20MI</a><br>Description: IC MCU 8BIT 4KB FLASH 32VQFN       | 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="#">ATMEGA48-20AI</a><br>Description: IC MCU 8BIT 4KB FLASH 32TQFP       | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | 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="#">ATMEGA48-20AUR</a><br>Description: IC MCU 8BIT 4KB FLASH 32TQFP      | 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> |
|  | Part#: <a href="#">ATMEGA48-20MU</a><br>Description: IC MCU 8BIT 4KB FLASH 32VQFN       | 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="#">ATMEGA48A-AUR</a><br>Description: IC MCU 8BIT 4KB FLASH 32TQFP       | 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="#">ATMEGA4808-AFR</a><br>Description: 20MHZ, 48KB, TQFP32, IND 125C, G  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATMEGA48-20MJ</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> |

| Related keywords for ATMEGA48-20MUR          |                                     |                                                          |                      |
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| ATMEGA48-20MUR download datasheet            | ATMEGA48-20MUR datasheet            | ATMEGA48-20MUR stock                                     | buy ATMEGA48-20MUR   |
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