



Micrel / Microchip Technology



Image may be representation. See specifications for product details.

ATMEGA48-20AUR

|                     |                                                                                                                                                                                                                  |
|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number:        | ATMEGA48-20AUR                                                                                                                                                                                                   |
| Manufacturer/Brand: | Micrel / Microchip Technology                                                                                                                                                                                    |
| Product description | IC MCU 8BIT 4KB FLASH 32TQFP                                                                                                                                                                                     |
| Datasheets:         |  1.ATMEGA48-20AUR.pdf<br> 2.ATMEGA48-20AUR.pdf |
| RoHs Status         |  Lead free / RoHS Compliant                                                                                                     |
| Stock Condition     | 53482 pcs stock                                                                                                                                                                                                  |
| Ship From           | Hong Kong                                                                                                                                                                                                        |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                                                                                                                            |

REQUEST FOR QUOTATION

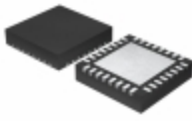
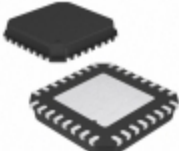
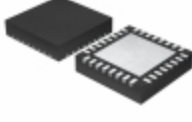
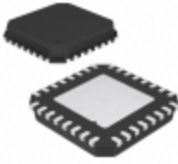
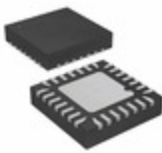
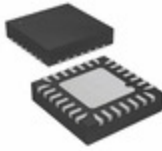
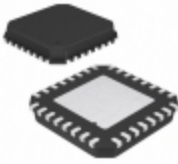
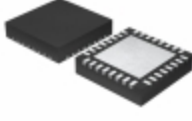
Specifications of ATMEGA48-20AUR

|                                  |                                                                                                                                                                                                                      |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | ATMEGA48-20AUR                                                                                                                                                                                                       |
| MANUFACTURER                     | Micrel / Microchip Technology                                                                                                                                                                                        |
| DESCRIPTION                      | IC MCU 8BIT 4KB FLASH 32TQFP                                                                                                                                                                                         |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                           |
| QUANTITY AVAILABLE               | 53482 pcs                                                                                                                                                                                                            |
| DATA SHEET                       |  1.ATMEGA48-20AUR.pdf<br> 2.ATMEGA48-20AUR.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 2.7 V ~ 5.5 V                                                                                                                                                                                                        |
| SUPPLIER DEVICE PACKAGE          | 32-TQFP (7x7)                                                                                                                                                                                                        |
| 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-TQFP                                                                                                                                                                                                              |
| OTHER NAMES                      | ATMEGA48-20AUR-ND<br>ATMEGA48-20AURTR<br>ATMEGA4820AUR                                                                                                                                                               |
| OSCILLATOR TYPE                  | Internal                                                                                                                                                                                                             |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                                                                                                                                                                    |
| NUMBER OF I/O                    | 23                                                                                                                                                                                                                   |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                                                                                                                                        |
| 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-TQFP (7x7)                                                                                                                                     |
| DATA CONVERTERS                  | A/D 8x10b                                                                                                                                                                                                            |
| CORE SIZE                        | 8-Bit                                                                                                                                                                                                                |
| CORE PROCESSOR                   | AVR                                                                                                                                                                                                                  |
| CONNECTIVITY                     | I²C, SPI, UART/USART                                                                                                                                                                                                 |
| BASE PART NUMBER                 | ATMEGA48                                                                                                                                                                                                             |

Related Tags

|                                              |                                        |                                                       |
|----------------------------------------------|----------------------------------------|-------------------------------------------------------|
| Micrel / Microchip Technology ATMEGA48-20AUR | ATMEGA48-20AUR Distributor             | ATMEGA48-20AUR Supplier                               |
| ATMEGA48-20AUR Price                         | ATMEGA48-20AUR Pictures                | ATMEGA48-20AUR Image                                  |
| ATMEGA48-20AUR PDF Datasheet                 | ATMEGA48-20AUR Download Datasheet      | ATMEGA48-20AUR Datasheet                              |
| ATMEGA48-20AUR Stock                         | Buy ATMEGA48-20AUR                     | Buy Micrel / Microchip Technology ATMEGA48-20AUR      |
| Micrel / Microchip Technology ATMEGA48-20AUR | Micrel / Microchip Technology Supplier | Micrel / Microchip Technology Distributor             |
| Micrel / Microchip Technology ATMEGA48-20AUR | Microchip Technology ATMEGA48-20AUR    | Roving Networks / Microchip Technology ATMEGA48-20AUR |

Related Products

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| <div></div> <div><b>ATMEGA48-15MT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 4KB FLASH 32QFN<br/>In stock: 21612 pcs<br/><div>RFQ</div></div>   | <div></div> <div><b>ATMEGA48-20MU</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 4KB FLASH 32VQFN<br/>In stock: 50160 pcs<br/><div>RFQ</div></div>  |
| <div></div> <div><b>ATMEGA48-15MT1</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 4KB FLASH 32QFN<br/>In stock: 4578 pcs<br/><div>RFQ</div></div>   | <div></div> <div><b>ATMEGA48-20AJ</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 4KB FLASH 32TQFP<br/>In stock: 6622 pcs<br/><div>RFQ</div></div>   |
| <div></div> <div><b>ATMEGA48-20MJ</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 4KB FLASH 32VQFN<br/>In stock: 4113 pcs<br/><div>RFQ</div></div>   | <div></div> <div><b>ATMEGA48-20MMU</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 4KB FLASH 28VQFN<br/>In stock: 52845 pcs<br/><div>RFQ</div></div> |
| <div></div> <div><b>ATMEGA48-20MMH</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 4KB FLASH 28VQFN<br/>In stock: 91771 pcs<br/><div>RFQ</div></div> | <div></div> <div><b>ATMEGA48-20AI</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 4KB FLASH 32TQFP<br/>In stock: 2806 pcs<br/><div>RFQ</div></div>   |
| <div></div> <div><b>ATMEGA48-20MI</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 4KB FLASH 32VQFN<br/>In stock: 3019 pcs<br/><div>RFQ</div></div>   | <div></div> <div><b>ATMEGA48-20MUR</b><br/>Manufacturers: Microchip Technology<br/>Description: IC MCU 8BIT 4KB FLASH 32VQFN<br/>In stock: 63415 pcs<br/><div>RFQ</div></div>          |
| <div></div> <div><b>ATMEGA48-15MZ</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 4KB FLASH 32QFN<br/>In stock: 4563 pcs<br/><div>RFQ</div></div>    | <div></div> <div><b>ATMEGA48-20AU</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 4KB FLASH 32TQFP<br/>In stock: 53018 pcs<br/><div>RFQ</div></div>  |