

MICROCHIP

Micrel / Microchip Technology

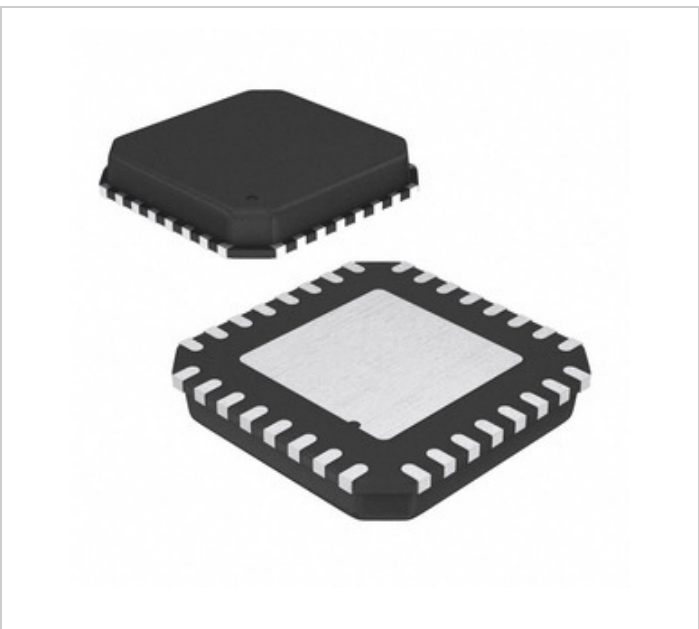


Image may be representation. See specifications for product details.

ATMEGA48-20MU

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | ATMEGA48-20MU                                                                                                |
| Manufacturer/Brand: | Micrel / Microchip Technology                                                                                |
| Product description | IC MCU 8BIT 4KB FLASH 32VQFN                                                                                 |
|                     |  1.ATMEGA48-20MU.pdf        |
|                     |  2.ATMEGA48-20MU.pdf        |
| Datasheets:         |                                                                                                              |
| RoHs Status         |  Lead free / RoHS Compliant |
| Stock Condition     | 50160 pcs stock                                                                                              |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

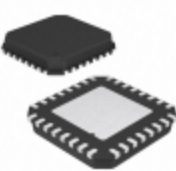
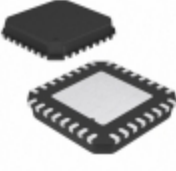
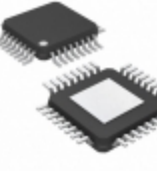
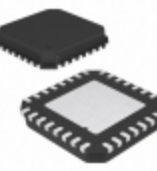
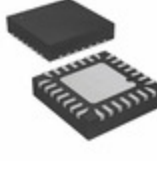
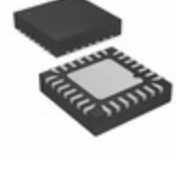
Specifications of ATMEGA48-20MU

|                                  |                                                                                                                                                                                                                    |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | ATMEGA48-20MU                                                                                                                                                                                                      |
| MANUFACTURER                     | Micrel / Microchip Technology                                                                                                                                                                                      |
| DESCRIPTION                      | IC MCU 8BIT 4KB FLASH 32VQFN                                                                                                                                                                                       |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                         |
| QUANTITY AVAILABLE               | 50160 pcs                                                                                                                                                                                                          |
| DATA SHEET                       |  1.ATMEGA48-20MU.pdf<br> 2.ATMEGA48-20MU.pdf |
| 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)                                                                                                                                                                                                      |
| 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                                                                                                                                                                                                           |

Related Tags

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

Related Products

|                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                       |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  MICROCHIP<br><b>ATMEGA48-20PJ</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 8BIT 4KB FLASH 28DIP<br>In stock: 3432 pcs<br><b>RFQ</b>  | <br><b>ATMEGA48-20AUR</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 8BIT 4KB FLASH 32TQFP<br>In stock: 53482 pcs<br><b>RFQ</b>        |
| <br><b>ATMEGA48-20MJ</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 8BIT 4KB FLASH 32VQFN<br>In stock: 4113 pcs<br><b>RFQ</b>           | <br><b>ATMEGA48-20AU</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 8BIT 4KB FLASH 32TQFP<br>In stock: 53018 pcs<br><b>RFQ</b>         |
| <br><b>ATMEGA48-20MUR</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 8BIT 4KB FLASH 32VQFN<br>In stock: 58052 pcs<br><b>RFQ</b>         | <br><b>ATMEGA4808-AFR</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: 20MHZ, 48KB, TQFP32, IND 125C, G<br>In stock: 84106 pcs<br><b>RFQ</b>    |
|  MICROCHIP<br><b>ATMEGA48-20PU</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 8BIT 4KB FLASH 28DIP<br>In stock: 43821 pcs<br><b>RFQ</b> | <br><b>ATMEGA48-20MI</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 8BIT 4KB FLASH 32VQFN<br>In stock: 3019 pcs<br><b>RFQ</b>          |
|  MICROCHIP<br><b>ATMEGA48-20MUR</b><br>Manufacturers: Microchip Technology<br>Description: IC MCU 8BIT 4KB FLASH 32VQFN<br>In stock: 63415 pcs<br><b>RFQ</b>        | <br><b>ATMEGA48-20MMH</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 8BIT 4KB FLASH 28VQFN<br>In stock: 91771 pcs<br><b>RFQ</b>        |
| <br><b>ATMEGA48-20MMU</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 8BIT 4KB FLASH 28VQFN<br>In stock: 52845 pcs<br><b>RFQ</b>         |  MICROCHIP<br><b>ATMEGA48-20PI</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 8BIT 4KB FLASH 28DIP<br>In stock: 6396 pcs<br><b>RFQ</b> |