



Micrel / Microchip Technology



ATMEGA164P-20MQR

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | ATMEGA164P-20MQR                                                                                             |
| Manufacturer/Brand: | Micrel / Microchip Technology                                                                                |
| Product description | IC MCU 8BIT 16KB FLASH 44VQFN                                                                                |
|                     |  1.ATMEGA164P-20MQR.pdf     |
|                     |  2.ATMEGA164P-20MQR.pdf     |
| Datasheets:         |                                                                                                              |
| RoHs Status         |  Lead free / RoHS Compliant |
| Stock Condition     | 51744 pcs stock                                                                                              |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

Image may be representation. See specifications for product details.

Specifications of ATMEGA164P-20MQR

|                                  |                                                                                                                                                                                                                          |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | ATMEGA164P-20MQR                                                                                                                                                                                                         |
| MANUFACTURER                     | Micrel / Microchip Technology                                                                                                                                                                                            |
| DESCRIPTION                      | IC MCU 8BIT 16KB FLASH 44VQFN                                                                                                                                                                                            |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                               |
| QUANTITY AVAILABLE               | 51744 pcs                                                                                                                                                                                                                |
| DATA SHEET                       |  1.ATMEGA164P-20MQR.pdf<br> 2.ATMEGA164P-20MQR.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 2.7 V ~ 5.5 V                                                                                                                                                                                                            |
| SUPPLIER DEVICE PACKAGE          | 44-VQFN (7x7)                                                                                                                                                                                                            |
| SPEED                            | 20MHz                                                                                                                                                                                                                    |
| SERIES                           | AVR® ATmega                                                                                                                                                                                                              |
| RAM SIZE                         | 1K x 8                                                                                                                                                                                                                   |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                                                                                                                                    |
| PROGRAM MEMORY SIZE              | 16KB (8K x 16)                                                                                                                                                                                                           |
| PERIPHERALS                      | Brown-out Detect/Reset, POR, PWM, WDT                                                                                                                                                                                    |
| PACKAGING                        | Cut Tape (CT)                                                                                                                                                                                                            |
| PACKAGE / CASE                   | 44-VFQFN Exposed Pad                                                                                                                                                                                                     |
| OTHER NAMES                      | 1611-ATMEGA164P-20MQRCT                                                                                                                                                                                                  |
| OSCILLATOR TYPE                  | Internal                                                                                                                                                                                                                 |
| OPERATING TEMPERATURE            | -40°C ~ 105°C (TA)                                                                                                                                                                                                       |
| NUMBER OF I/O                    | 32                                                                                                                                                                                                                       |
| MOISTURE SENSITIVITY LEVEL (MSL) | 1 (Unlimited)                                                                                                                                                                                                            |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                               |
| EEPROM SIZE                      | 512 x 8                                                                                                                                                                                                                  |
| DETAILED DESCRIPTION             | AVR AVR® ATmega Microcontroller IC 8-Bit 20MHz 16KB (8K x 16) FLASH 44-VQFN (7x7)                                                                                                                                        |
| DATA CONVERTERS                  | A/D 8x10b                                                                                                                                                                                                                |
| CORE SIZE                        | 8-Bit                                                                                                                                                                                                                    |
| CORE PROCESSOR                   | AVR                                                                                                                                                                                                                      |
| CONNECTIVITY                     | I²C, SPI, UART/USART                                                                                                                                                                                                     |

Related Tags

|                                                |                                        |                                                         |
|------------------------------------------------|----------------------------------------|---------------------------------------------------------|
| Micrel / Microchip Technology ATMEGA164P-20MQR | ATMEGA164P-20MQR Distributor           | ATMEGA164P-20MQR Supplier                               |
| ATMEGA164P-20MQR Price                         | ATMEGA164P-20MQR Pictures              | ATMEGA164P-20MQR Image                                  |
| ATMEGA164P-20MQR PDF Datasheet                 | ATMEGA164P-20MQR Download Datasheet    | ATMEGA164P-20MQR Datasheet                              |
| ATMEGA164P-20MQR Stock                         | Buy ATMEGA164P-20MQR                   | Buy Micrel / Microchip Technology ATMEGA164P-20MQR      |
| Micrel / Microchip Technology ATMEGA164P-20MQR | Micrel / Microchip Technology Supplier | Micrel / Microchip Technology Distributor               |
| Micrel / Microchip Technology ATMEGA164P-20MQR | Microchip Technology ATMEGA164P-20MQR  | Roving Networks / Microchip Technology ATMEGA164P-20MQR |

Related Products

|                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                               |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <div><b>ATMEGA164P-20PQ</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 16KB FLASH 40DIP<br/>In stock: 25243 pcs</div> <div>RFQ</div>   |  <div><b>ATMEGA164P-20PU</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 16KB FLASH 40DIP<br/>In stock: 25212 pcs</div> <div>RFQ</div>   |
|  <div><b>ATMEGA164P-20AUR</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 16KB FLASH 44TQFP<br/>In stock: 26429 pcs</div> <div>RFQ</div> |  <div><b>ATMEGA164P-20AUR</b><br/>Manufacturers: Microchip Technology<br/>Description: IC MCU 8BIT 16KB FLASH 44TQFP<br/>In stock: 31014 pcs</div> <div>RFQ</div>          |
|  <div><b>ATMEGA164P-20MCUR</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 16KB FLASH 44VQFN<br/>In stock: 4248 pcs</div> <div>RFQ</div> |  <div><b>ATMEGA164P-20AU</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 16KB FLASH 44TQFP<br/>In stock: 27934 pcs</div> <div>RFQ</div>  |
|  <div><b>ATMEGA164P-20MQR</b><br/>Manufacturers: Microchip Technology<br/>Description: IC MCU 8BIT 16KB FLASH 44VQFN<br/>In stock: 25540 pcs</div> <div>RFQ</div>          |  <div><b>ATMEGA164P-20MUR</b><br/>Manufacturers: Microchip Technology<br/>Description: IC MCU 8BIT 16KB FLASH 44VQFN<br/>In stock: 24761 pcs</div> <div>RFQ</div>          |
|  <div><b>ATMEGA164P-20MU</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 16KB FLASH 44VQFN<br/>In stock: 28277 pcs</div> <div>RFQ</div>  |  <div><b>ATMEGA164P-20MQ</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 16KB FLASH 44VQFN<br/>In stock: 32121 pcs</div> <div>RFQ</div>  |
|  <div><b>ATMEGA164P-20MCU</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 16KB FLASH 44VQFN<br/>In stock: 6141 pcs</div> <div>RFQ</div>  |  <div><b>ATMEGA164P-20MUR</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 16KB FLASH 44VQFN<br/>In stock: 52990 pcs</div> <div>RFQ</div> |