



Micrel / Microchip Technology



Image may be representation. See specifications for product details.

ATMEGA164P-20MQ

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | ATMEGA164P-20MQ                                                                                              |
| Manufacturer/Brand: | Micrel / Microchip Technology                                                                                |
| Product description | IC MCU 8BIT 16KB FLASH 44VQFN                                                                                |
|                     |  1.ATMEGA164P-20MQ.pdf      |
|                     |  2.ATMEGA164P-20MQ.pdf      |
| Datasheets:         |  Lead free / RoHS Compliant |
| RoHs Status         | 32121 pcs stock                                                                                              |
| Stock Condition     | Hong Kong                                                                                                    |
| Ship From           | DHL/Fedex/TNT/UPS/EMS                                                                                        |
| Shipment Way        |                                                                                                              |

REQUEST FOR QUOTATION

Specifications of ATMEGA164P-20MQ

|                                  |                                                                                                                                                                                                                        |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | ATMEGA164P-20MQ                                                                                                                                                                                                        |
| MANUFACTURER                     | Micrel / Microchip Technology                                                                                                                                                                                          |
| DESCRIPTION                      | IC MCU 8BIT 16KB FLASH 44VQFN                                                                                                                                                                                          |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                             |
| QUANTITY AVAILABLE               | 32121 pcs                                                                                                                                                                                                              |
| DATA SHEET                       |  1.ATMEGA164P-20MQ.pdf<br> 2.ATMEGA164P-20MQ.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                        | Tray                                                                                                                                                                                                                   |
| PACKAGE / CASE                   | 44-VFQFN Exposed Pad                                                                                                                                                                                                   |
| OTHER NAMES                      | ATMEGA164P20MQ                                                                                                                                                                                                         |
| OSCILLATOR TYPE                  | Internal                                                                                                                                                                                                               |
| OPERATING TEMPERATURE            | -40°C ~ 105°C (TA)                                                                                                                                                                                                     |
| NUMBER OF I/O                    | 32                                                                                                                                                                                                                     |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                                                                                                                                          |
| 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                                                                                                                                                                                                   |
| BASE PART NUMBER                 | ATMEGA164                                                                                                                                                                                                              |

Related Tags

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

Related Products

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| <div><div>ATMEGA164P-20MCU</div><div>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 16KB FLASH 44VQFN<br/>In stock: 6141 pcs</div><div>RFQ</div></div>  | <div><div>ATMEGA164P-20MUR</div><div>Manufacturers: Microchip Technology<br/>Description: IC MCU 8BIT 16KB FLASH 44VQFN<br/>In stock: 24761 pcs</div><div>RFQ</div></div>          |
| <div><div>ATMEGA164P-20AQR</div><div>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 16KB FLASH 44TQFP<br/>In stock: 42941 pcs</div><div>RFQ</div></div> | <div><div>ATMEGA164P-20MU</div><div>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 16KB FLASH 44VQFN<br/>In stock: 28277 pcs</div><div>RFQ</div></div>  |
| <div><div>ATMEGA164P-20AU</div><div>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 16KB FLASH 44TQFP<br/>In stock: 27934 pcs</div><div>RFQ</div></div>  | <div><div>ATMEGA164P-20AUR</div><div>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 16KB FLASH 44TQFP<br/>In stock: 26429 pcs</div><div>RFQ</div></div> |
| <div><div>ATMEGA164P-20MUR</div><div>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 16KB FLASH 44VQFN<br/>In stock: 52990 pcs</div><div>RFQ</div></div> | <div><div>ATMEGA164P-20MCUR</div><div>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 16KB FLASH 44VQFN<br/>In stock: 4248 pcs</div><div>RFQ</div></div> |
| <div><div>ATMEGA164P-20AUR</div><div>Manufacturers: Microchip Technology<br/>Description: IC MCU 8BIT 16KB FLASH 44TQFP<br/>In stock: 31014 pcs</div><div>RFQ</div></div>          | <div><div>ATMEGA164P-20PQ</div><div>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 16KB FLASH 44VQFN<br/>In stock: 25243 pcs</div><div>RFQ</div></div>  |
| <div><div>ATMEGA164P-20MQR</div><div>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 16KB FLASH 44VQFN<br/>In stock: 51744 pcs</div><div>RFQ</div></div> | <div><div>ATMEGA164P-20MQR</div><div>Manufacturers: Microchip Technology<br/>Description: IC MCU 8BIT 16KB FLASH 44VQFN<br/>In stock: 25540 pcs</div><div>RFQ</div></div>          |