

MICROCHIP

Micrel / Microchip Technology

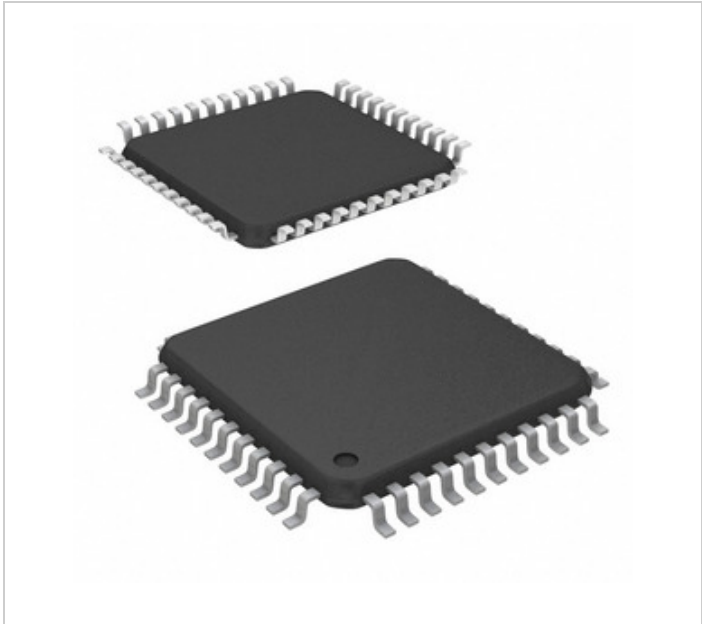


Image may be representation. See specifications for product details.

ATMEGA644P-20PQ

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | ATMEGA644P-20PQ                                                                                              |
| Manufacturer/Brand: | Micrel / Microchip Technology                                                                                |
| Product description | IC MCU 8BIT 64KB FLASH 44TQFP                                                                                |
| Datasheets:         |  ATMEGA644P-20PQ.pdf        |
| RoHs Status         |  Lead free / RoHS Compliant |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

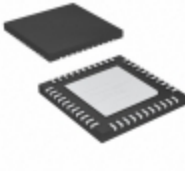
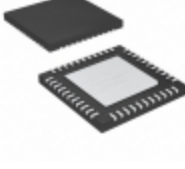
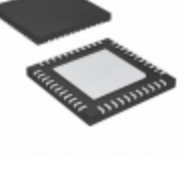
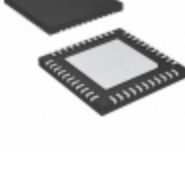
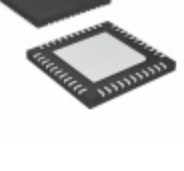
Specifications of ATMEGA644P-20PQ

|                                  |                                                                                                         |
|----------------------------------|---------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | ATMEGA644P-20PQ                                                                                         |
| MANUFACTURER                     | Micrel / Microchip Technology                                                                           |
| DESCRIPTION                      | IC MCU 8BIT 64KB FLASH 44TQFP                                                                           |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                              |
| DATA SHEET                       |  ATMEGA644P-20PQ.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 2.7 V ~ 5.5 V                                                                                           |
| SUPPLIER DEVICE PACKAGE          | 44-TQFP (10x10)                                                                                         |
| SPEED                            | 20MHz                                                                                                   |
| SERIES                           | AVR® Atmega                                                                                             |
| RAM SIZE                         | 4K x 8                                                                                                  |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                   |
| PROGRAM MEMORY SIZE              | 64KB (32K x 16)                                                                                         |
| PERIPHERALS                      | Brown-out Detect/Reset, POR, PWM, WDT                                                                   |
| PACKAGING                        | Tube                                                                                                    |
| PACKAGE / CASE                   | 44-TQFP                                                                                                 |
| OTHER NAMES                      | ATMEGA644P20PQ                                                                                          |
| OSCILLATOR TYPE                  | Internal                                                                                                |
| OPERATING TEMPERATURE            | -40°C ~ 105°C (TA)                                                                                      |
| NUMBER OF I/O                    | 32                                                                                                      |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                           |
| MANUFACTURER STANDARD LEAD TIME  | 4 Weeks                                                                                                 |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                              |
| EEPROM SIZE                      | 2K x 8                                                                                                  |
| DETAILED DESCRIPTION             | AVR AVR® Atmega Microcontroller IC 8-Bit 20MHz 64KB (32K x 16) FLASH 44-TQFP (10x10)                    |
| DATA CONVERTERS                  | A/D 8x10b                                                                                               |
| CORE SIZE                        | 8-Bit                                                                                                   |
| CORE PROCESSOR                   | AVR                                                                                                     |
| CONNECTIVITY                     | I²C, SPI, UART/USART                                                                                    |
| BASE PART NUMBER                 | ATMEGA644                                                                                               |

Related Tags

|                                               |                                        |                                                        |
|-----------------------------------------------|----------------------------------------|--------------------------------------------------------|
| Micrel / Microchip Technology ATMEGA644P-20PQ | ATMEGA644P-20PQ Distributor            | ATMEGA644P-20PQ Supplier                               |
| ATMEGA644P-20PQ Price                         | ATMEGA644P-20PQ Pictures               | ATMEGA644P-20PQ Image                                  |
| ATMEGA644P-20PQ PDF Datasheet                 | ATMEGA644P-20PQ Download Datasheet     | ATMEGA644P-20PQ Datasheet                              |
| ATMEGA644P-20PQ Stock                         | Buy ATMEGA644P-20PQ                    | Buy Micrel / Microchip Technology ATMEGA644P-20PQ      |
| Micrel / Microchip Technology ATMEGA644P-20PQ | Micrel / Microchip Technology Supplier | Micrel / Microchip Technology Distributor              |
| Micrel / Microchip Technology ATMEGA644P-20PQ | Microchip Technology ATMEGA644P-20PQ   | Roving Networks / Microchip Technology ATMEGA644P-20PQ |

Related Products

|                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                               |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <div><b>ATMEGA644P-20PU</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 64KB FLASH 40DIP<br/>In stock: 113 pcs<br/><b>RFQ</b></div>     |  <div><b>ATMEGA644P-20AUR</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 64KB FLASH 44TQFP<br/>In stock: Out stock<br/><b>RFQ</b></div> |
|  <div><b>ATMEGA644P-20MU</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 64KB FLASH 44VQFN<br/>In stock: Out stock<br/><b>RFQ</b></div>  |  <div><b>ATMEGA644PA-ANR</b><br/>Manufacturers: Microchip Technology<br/>Description: IC MCU 8BIT 64KB FLASH 44TQFP<br/>In stock: Out stock<br/><b>RFQ</b></div>           |
|  <div><b>ATMEGA644P-20MQR</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 64KB FLASH 44VQFN<br/>In stock: Out stock<br/><b>RFQ</b></div> |  <div><b>ATMEGA644P-A15AZ</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 64KB FLASH 44TQFP<br/>In stock: 1 pcs<br/><b>RFQ</b></div>     |
|  <div><b>ATMEGA644PA-AN</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 64KB FLASH 44TQFP<br/>In stock: 423 pcs<br/><b>RFQ</b></div>     |  <div><b>ATMEGA644P-A15MZ</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 64KB FLASH 44VQFN<br/>In stock: Out stock<br/><b>RFQ</b></div> |
|  <div><b>ATMEGA644P-20MQ</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 64KB FLASH 44VQFN<br/>In stock: Out stock<br/><b>RFQ</b></div>  |  <div><b>ATMEGA644PA-ANR</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 64KB FLASH 44TQFP<br/>In stock: Out stock<br/><b>RFQ</b></div>  |
|  <div><b>ATMEGA644P-20MQR</b><br/>Manufacturers: Microchip Technology<br/>Description: IC MCU 8BIT 64KB FLASH 44VQFN<br/>In stock: Out stock<br/><b>RFQ</b></div>          |  <div><b>ATMEGA644P-20MUR</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 64KB FLASH 44VQFN<br/>In stock: Out stock<br/><b>RFQ</b></div> |