



Micrel / Microchip Technology



ATMEGA164PA-CU

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | ATMEGA164PA-CU                                                                                               |
| Manufacturer/Brand: | Micrel / Microchip Technology                                                                                |
| Product description | IC MCU 8BIT 16KB FLASH 49VFBGA                                                                               |
|                     |  1.ATMEGA164PA-CU.pdf       |
|                     |  2.ATMEGA164PA-CU.pdf       |
| Datasheets:         |                                                                                                              |
| RoHs Status         |  Lead free / RoHS Compliant |
| Stock Condition     | 29019 pcs stock                                                                                              |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

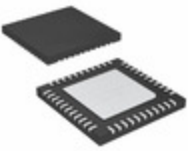
Specifications of ATMEGA164PA-CU

|                                  |                                                                                                                                                                                                                      |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | ATMEGA164PA-CU                                                                                                                                                                                                       |
| MANUFACTURER                     | Micrel / Microchip Technology                                                                                                                                                                                        |
| DESCRIPTION                      | IC MCU 8BIT 16KB FLASH 49VFBGA                                                                                                                                                                                       |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                           |
| QUANTITY AVAILABLE               | 29019 pcs                                                                                                                                                                                                            |
| DATA SHEET                       |  1.ATMEGA164PA-CU.pdf<br> 2.ATMEGA164PA-CU.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.8 V ~ 5.5 V                                                                                                                                                                                                        |
| SUPPLIER DEVICE PACKAGE          | 49-VFBGA (5x5)                                                                                                                                                                                                       |
| 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                   | 49-VFBGA                                                                                                                                                                                                             |
| OTHER NAMES                      | ATMEGA164PACU                                                                                                                                                                                                        |
| OSCILLATOR TYPE                  | Internal                                                                                                                                                                                                             |
| OPERATING TEMPERATURE            | -40°C ~ 85°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 49-VFBGA (5x5)                                                                                                                                   |
| 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 ATMEGA164PA-CU | ATMEGA164PA-CU Distributor             | ATMEGA164PA-CU Supplier                               |
| ATMEGA164PA-CU Price                         | ATMEGA164PA-CU Pictures                | ATMEGA164PA-CU Image                                  |
| ATMEGA164PA-CU PDF Datasheet                 | ATMEGA164PA-CU Download Datasheet      | ATMEGA164PA-CU Datasheet                              |
| ATMEGA164PA-CU Stock                         | Buy ATMEGA164PA-CU                     | Buy Micrel / Microchip Technology ATMEGA164PA-CU      |
| Micrel / Microchip Technology ATMEGA164PA-CU | Micrel / Microchip Technology Supplier | Micrel / Microchip Technology Distributor             |
| Micrel / Microchip Technology ATMEGA164PA-CU | Microchip Technology ATMEGA164PA-CU    | Roving Networks / Microchip Technology ATMEGA164PA-CU |

Related Products

|                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                              |
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|  <div><b>ATMEGA164PA-ANR</b><br/>Manufacturers: Microchip Technology<br/>Description: IC MCU 8BIT 16KB FLASH 44TQFP<br/>In stock: 30000 pcs</div> <div>RFQ</div>           |  <div><b>ATMEGA164PA-CUR</b><br/>Manufacturers: Microchip Technology<br/>Description: IC MCU 8BIT 16KB FLASH 49VFBGA<br/>In stock: 27192 pcs</div> <div>RFQ</div>         |
|  <div><b>ATMEGA164PA-AUR</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 16KB FLASH 44TQFP<br/>In stock: 28929 pcs</div> <div>RFQ</div>  |  <div><b>ATMEGA164PA-MCHR</b><br/>Manufacturers: Microchip Technology<br/>Description: IC MCU 8BIT 16KB FLASH 44QFN<br/>In stock: 31257 pcs</div> <div>RFQ</div>          |
|  <div><b>ATMEGA164PA-MN</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 16KB FLASH 44VQFN<br/>In stock: 31222 pcs</div> <div>RFQ</div>   |  <div><b>ATMEGA164PA-AU</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 16KB FLASH 44TQFP<br/>In stock: 29633 pcs</div> <div>RFQ</div>  |
|  <div><b>ATMEGA164PA-CUR</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 16KB FLASH 49VFBGA<br/>In stock: 47582 pcs</div> <div>RFQ</div> |  <div><b>ATMEGA164PA-MCH</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 16KB FLASH 44QFN<br/>In stock: 28409 pcs</div> <div>RFQ</div>  |
|  <div><b>ATMEGA164PA-ANR</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 16KB FLASH 44TQFP<br/>In stock: 46321 pcs</div> <div>RFQ</div>  |  <div><b>ATMEGA164P-B15MZ</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 16KB FLASH 44QFN<br/>In stock: 21808 pcs</div> <div>RFQ</div> |
|  <div><b>ATMEGA164PA-AN</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 16KB FLASH 44TQFP<br/>In stock: 32189 pcs</div> <div>RFQ</div>   |  <div><b>ATMEGA164PA-MCHR</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 16KB FLASH 44QFN<br/>In stock: 61430 pcs</div> <div>RFQ</div> |