



ATMEGA1284-AU

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | ATMEGA1284-AU                                                                                                |
| Manufacturer/Brand: | Micrel / Microchip Technology                                                                                |
| Product description | IC MCU 8BIT 128KB FLASH 44TQFP                                                                               |
| Datasheets:         | <a href="#">1.ATMEGA1284-AU.pdf</a><br><a href="#">2.ATMEGA1284-AU.pdf</a>                                   |
| RoHs Status         |  Lead free / RoHS Compliant |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

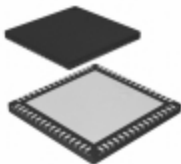
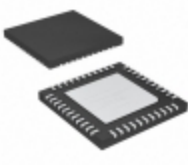
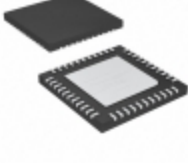
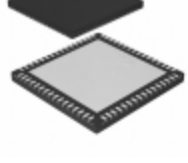
Specifications of ATMEGA1284-AU

|                                  |                                                                                       |
|----------------------------------|---------------------------------------------------------------------------------------|
| PART NUMBER                      | ATMEGA1284-AU                                                                         |
| MANUFACTURER                     | Micrel / Microchip Technology                                                         |
| DESCRIPTION                      | IC MCU 8BIT 128KB FLASH 44TQFP                                                        |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                            |
| DATA SHEET                       | <a href="#">1.ATMEGA1284-AU.pdf</a><br><a href="#">2.ATMEGA1284-AU.pdf</a>            |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.8 V ~ 5.5 V                                                                         |
| SUPPLIER DEVICE PACKAGE          | 44-TQFP (10x10)                                                                       |
| SPEED                            | 20MHz                                                                                 |
| SERIES                           | AVR® ATmega                                                                           |
| RAM SIZE                         | 16K x 8                                                                               |
| PROGRAM MEMORY TYPE              | FLASH                                                                                 |
| PROGRAM MEMORY SIZE              | 128KB (64K x 16)                                                                      |
| PERIPHERALS                      | Brown-out Detect/Reset, POR, PWM, WDT                                                 |
| PACKAGING                        | Tray                                                                                  |
| PACKAGE / CASE                   | 44-TQFP                                                                               |
| OTHER NAMES                      | ATMEGA1284AU                                                                          |
| OSCILLATOR TYPE                  | Internal                                                                              |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                                     |
| NUMBER OF I/O                    | 32                                                                                    |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                         |
| MANUFACTURER STANDARD LEAD TIME  | 6 Weeks                                                                               |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                            |
| EEPROM SIZE                      | 4K x 8                                                                                |
| DETAILED DESCRIPTION             | AVR AVR® ATmega Microcontroller IC 8-Bit 20MHz 128KB (64K 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                 | ATMEGA1284                                                                            |

Related Tags

|                                             |                                        |                                                      |
|---------------------------------------------|----------------------------------------|------------------------------------------------------|
| Micrel / Microchip Technology ATMEGA1284-AU | ATMEGA1284-AU Distributor              | ATMEGA1284-AU Supplier                               |
| ATMEGA1284-AU Price                         | ATMEGA1284-AU Pictures                 | ATMEGA1284-AU Image                                  |
| ATMEGA1284-AU PDF Datasheet                 | ATMEGA1284-AU Download Datasheet       | ATMEGA1284-AU Datasheet                              |
| ATMEGA1284-AU Stock                         | Buy ATMEGA1284-AU                      | Buy Micrel / Microchip Technology ATMEGA1284-AU      |
| Micrel / Microchip Technology ATMEGA1284-AU | Micrel / Microchip Technology Supplier | Micrel / Microchip Technology Distributor            |
| Micrel / Microchip Technology ATMEGA1284-AU | Microchip Technology ATMEGA1284-AU     | Roving Networks / Microchip Technology ATMEGA1284-AU |

Related Products

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| <div></div> <div><b>ATMEGA1281V-8MU</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 128KB FLASH 64QFN<br/>In stock: 881 pcs<br/><div>RFQ</div></div>   | <div></div> <div><b>ATMEGA1281V-8MUR</b><br/>Manufacturers: Microchip Technology<br/>Description: IC MCU 8BIT 128KB FLASH 64QFN<br/>In stock: Out stock<br/><div>RFQ</div></div>           |
| <div></div> <div><b>ATMEGA1284-PU</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 128KB FLASH 40DIP<br/>In stock: Out stock<br/><div>RFQ</div></div>   | <div></div> <div><b>ATMEGA1284-MUR</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 128KB FLASH 44VQFN<br/>In stock: Out stock<br/><div>RFQ</div></div>   |
| <div></div> <div><b>ATMEGA1284-AUR</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 128KB FLASH 44TQFP<br/>In stock: Out stock<br/><div>RFQ</div></div> | <div></div> <div><b>ATMEGA1281V-8AUR</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 128KB FLASH 64TQFP<br/>In stock: Out stock<br/><div>RFQ</div></div> |
| <div></div> <div><b>ATMEGA1284P-AU</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 128KB FLASH 44TQFP<br/>In stock: Out stock<br/><div>RFQ</div></div> | <div></div> <div><b>ATMEGA1284-MU</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 128KB FLASH 44VQFN<br/>In stock: 467 pcs<br/><div>RFQ</div></div>      |
| <div></div> <div><b>ATMEGA1284-MUR</b><br/>Manufacturers: Microchip Technology<br/>Description: IC MCU 8BIT 128KB FLASH 44VQFN<br/>In stock: 103 pcs<br/><div>RFQ</div></div>            | <div></div> <div><b>ATMEGA1281V-8AUR</b><br/>Manufacturers: Microchip Technology<br/>Description: IC MCU 8BIT 128KB FLASH 64TQFP<br/>In stock: 197 pcs<br/><div>RFQ</div></div>            |
| <div></div> <div><b>ATMEGA1281V-8AU</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 128KB FLASH 64TQFP<br/>In stock: 691 pcs<br/><div>RFQ</div></div>  | <div></div> <div><b>ATMEGA1281V-8MUR</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 128KB FLASH 64QFN<br/>In stock: Out stock<br/><div>RFQ</div></div>  |