



Micrel / Microchip Technology

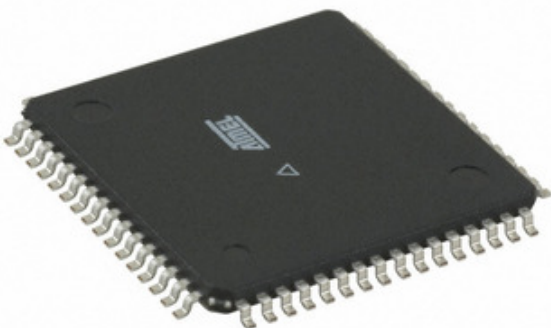


Image may be representation. See specifications for product details.

ATMEGA1281-16AUR

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | ATMEGA1281-16AUR                                                                                             |
| Manufacturer/Brand: | Micrel / Microchip Technology                                                                                |
| Product description | IC MCU 8BIT 128KB FLASH 64TQFP                                                                               |
| Datasheets:         | <a href="#">1.ATMEGA1281-16AUR.pdf</a><br><a href="#">2.ATMEGA1281-16AUR.pdf</a>                             |
| RoHs Status         |  Lead free / RoHS Compliant |
| Stock Condition     | 14294 pcs stock                                                                                              |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

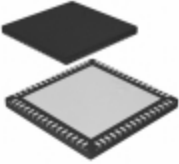
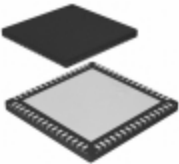
Specifications of ATMEGA1281-16AUR

|                                  |                                                                                       |
|----------------------------------|---------------------------------------------------------------------------------------|
| PART NUMBER                      | ATMEGA1281-16AUR                                                                      |
| MANUFACTURER                     | Micrel / Microchip Technology                                                         |
| DESCRIPTION                      | IC MCU 8BIT 128KB FLASH 64TQFP                                                        |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                            |
| QUANTITY AVAILABLE               | 14294 pcs                                                                             |
| DATA SHEET                       | <a href="#">1.ATMEGA1281-16AUR.pdf</a><br><a href="#">2.ATMEGA1281-16AUR.pdf</a>      |
| VOLTAGE - SUPPLY (VCC/VDD)       | 2.7 V ~ 5.5 V                                                                         |
| SUPPLIER DEVICE PACKAGE          | 64-TQFP (14x14)                                                                       |
| SPEED                            | 16MHz                                                                                 |
| SERIES                           | AVR® ATmega                                                                           |
| RAM SIZE                         | 8K x 8                                                                                |
| PROGRAM MEMORY TYPE              | FLASH                                                                                 |
| PROGRAM MEMORY SIZE              | 128KB (64K x 16)                                                                      |
| PERIPHERALS                      | Brown-out Detect/Reset, POR, PWM, WDT                                                 |
| PACKAGING                        | Tape & Reel (TR)                                                                      |
| PACKAGE / CASE                   | 64-TQFP                                                                               |
| OTHER NAMES                      | ATMEGA1281-16AUR-ND<br>ATMEGA1281-16AURTR<br>ATMEGA128116AUR                          |
| OSCILLATOR TYPE                  | Internal                                                                              |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                                     |
| NUMBER OF I/O                    | 54                                                                                    |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                         |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                            |
| EEPROM SIZE                      | 4K x 8                                                                                |
| DETAILED DESCRIPTION             | AVR AVR® ATmega Microcontroller IC 8-Bit 16MHz 128KB (64K x 16) FLASH 64-TQFP (14x14) |
| DATA CONVERTERS                  | A/D 8x10b                                                                             |
| CORE SIZE                        | 8-Bit                                                                                 |
| CORE PROCESSOR                   | AVR                                                                                   |
| CONNECTIVITY                     | EBI/EMI, I²C, SPI, UART/USART                                                         |
| BASE PART NUMBER                 | ATMEGA1281                                                                            |

Related Tags

|                                                |                                        |                                                         |
|------------------------------------------------|----------------------------------------|---------------------------------------------------------|
| Micrel / Microchip Technology ATMEGA1281-16AUR | ATMEGA1281-16AUR Distributor           | ATMEGA1281-16AUR Supplier                               |
| ATMEGA1281-16AUR Price                         | ATMEGA1281-16AUR Pictures              | ATMEGA1281-16AUR Image                                  |
| ATMEGA1281-16AUR PDF Datasheet                 | ATMEGA1281-16AUR Download Datasheet    | ATMEGA1281-16AUR Datasheet                              |
| ATMEGA1281-16AUR Stock                         | Buy ATMEGA1281-16AUR                   | Buy Micrel / Microchip Technology ATMEGA1281-16AUR      |
| Micrel / Microchip Technology ATMEGA1281-16AUR | Micrel / Microchip Technology Supplier | Micrel / Microchip Technology Distributor               |
| Micrel / Microchip Technology ATMEGA1281-16AUR | Microchip Technology ATMEGA1281-16AUR  | Roving Networks / Microchip Technology ATMEGA1281-16AUR |

Related Products

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| <div></div> <div><b>ATMEGA1281-16AU</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 128KB FLASH 64TQFP<br/>In stock: 11842 pcs<br/><div>RFQ</div></div>    | <div></div> <div><b>ATMEGA1280V-8CUR</b><br/>Manufacturers: Microchip Technology<br/>Description: IC MCU 8BIT 128KB FLASH 100CBGA<br/>In stock: 9771 pcs<br/><div>RFQ</div></div>           |
| <div></div> <div><b>ATMEGA1281-16MUR</b><br/>Manufacturers: Microchip Technology<br/>Description: IC MCU 8BIT 128KB FLASH 64QFN<br/>In stock: 12007 pcs<br/><div>RFQ</div></div>             | <div></div> <div><b>ATMEGA1281-16MU</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 128KB FLASH 64QFN<br/>In stock: 12234 pcs<br/><div>RFQ</div></div>    |
| <div></div> <div><b>ATMEGA1281R212-MU</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC RF TXRX+MCU 802.15.4 64-TQFP<br/>In stock: 10501 pcs<br/><div>RFQ</div></div> | <div></div> <div><b>ATMEGA1280V-8CUR</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 128KB FLASH 100CBGA<br/>In stock: 14383 pcs<br/><div>RFQ</div></div> |
| <div></div> <div><b>ATMEGA1280V-8AU</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 128KB FLASH 100TQFP<br/>In stock: 8165 pcs<br/><div>RFQ</div></div>    | <div></div> <div><b>ATMEGA1280V-8AUR</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 128KB FLASH 100TQFP<br/>In stock: 9258 pcs<br/><div>RFQ</div></div>  |
| <div></div> <div><b>ATMEGA1281R231-AU</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC RF TXRX+MCU 802.15.4/ISM QFN<br/>In stock: 2873 pcs<br/><div>RFQ</div></div>  | <div></div> <div><b>ATMEGA1281R212-AU</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC RF TXRX+MCU 802.15.4/ISM QFN<br/>In stock: 7065 pcs<br/><div>RFQ</div></div> |
| <div></div> <div><b>ATMEGA1280V-8CU</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 128KB FLASH 100CBGA<br/>In stock: 7580 pcs<br/><div>RFQ</div></div>    | <div></div> <div><b>ATMEGA1281-16MUR</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 128KB FLASH 64QFN<br/>In stock: 18657 pcs<br/><div>RFQ</div></div>   |