



Micrel / Microchip Technology

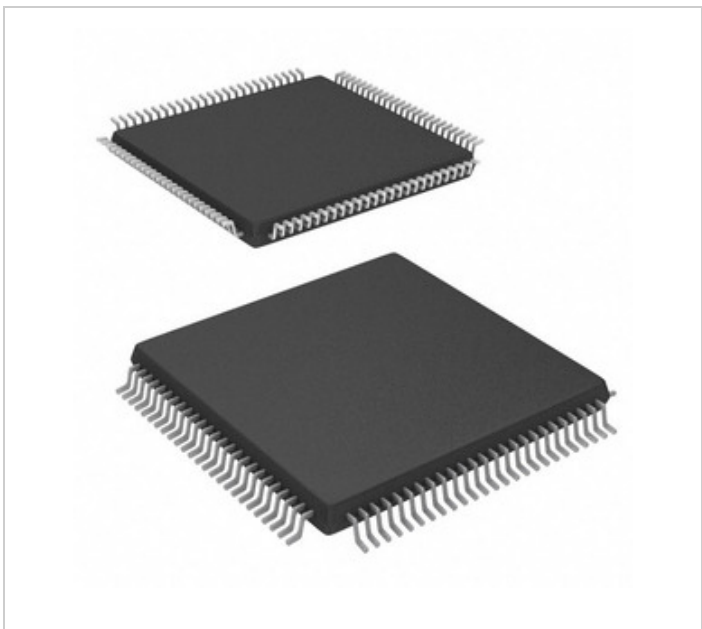


Image may be representation. See specifications for product details.

ATMEGA2560-16AUR

|                     |                                                                                                                                                                                                                      |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number:        | ATMEGA2560-16AUR                                                                                                                                                                                                     |
| Manufacturer/Brand: | Micrel / Microchip Technology                                                                                                                                                                                        |
| Product description | IC MCU 8BIT 256KB FLASH 100TQFP                                                                                                                                                                                      |
| Datasheets:         |  1.ATMEGA2560-16AUR.pdf<br> 2.ATMEGA2560-16AUR.pdf |
| RoHs Status         |  Lead free / RoHS Compliant                                                                                                         |
| Stock Condition     | 10056 pcs stock                                                                                                                                                                                                      |
| Ship From           | Hong Kong                                                                                                                                                                                                            |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                                                                                                                                |

REQUEST FOR QUOTATION

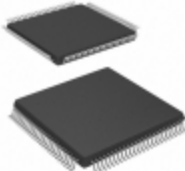
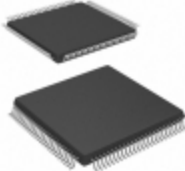
Specifications of ATMEGA2560-16AUR

|                                  |                                                                                                                                                                                                                          |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | ATMEGA2560-16AUR                                                                                                                                                                                                         |
| MANUFACTURER                     | Micrel / Microchip Technology                                                                                                                                                                                            |
| DESCRIPTION                      | IC MCU 8BIT 256KB FLASH 100TQFP                                                                                                                                                                                          |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                               |
| QUANTITY AVAILABLE               | 10056 pcs                                                                                                                                                                                                                |
| DATA SHEET                       |  1.ATMEGA2560-16AUR.pdf<br> 2.ATMEGA2560-16AUR.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 4.5 V ~ 5.5 V                                                                                                                                                                                                            |
| SUPPLIER DEVICE PACKAGE          | 100-TQFP (14x14)                                                                                                                                                                                                         |
| SPEED                            | 16MHz                                                                                                                                                                                                                    |
| SERIES                           | AVR® ATmega                                                                                                                                                                                                              |
| RAM SIZE                         | 8K x 8                                                                                                                                                                                                                   |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                                                                                                                                    |
| PROGRAM MEMORY SIZE              | 256KB (128K x 16)                                                                                                                                                                                                        |
| PERIPHERALS                      | Brown-out Detect/Reset, POR, PWM, WDT                                                                                                                                                                                    |
| PACKAGING                        | Tape & Reel (TR)                                                                                                                                                                                                         |
| PACKAGE / CASE                   | 100-TQFP                                                                                                                                                                                                                 |
| OTHER NAMES                      | ATMEGA2560-16AUR SL383<br>ATMEGA2560-16AUR-ND<br>ATMEGA2560-16AURTR<br>ATMEGA256016AUR                                                                                                                                   |
| OSCILLATOR TYPE                  | Internal                                                                                                                                                                                                                 |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                                                                                                                                                                        |
| NUMBER OF I/O                    | 86                                                                                                                                                                                                                       |
| 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 256KB (128K x 16) FLASH 100-TQFP (14x14)                                                                                                                                  |
| DATA CONVERTERS                  | A/D 16x10b                                                                                                                                                                                                               |
| CORE SIZE                        | 8-Bit                                                                                                                                                                                                                    |
| CORE PROCESSOR                   | AVR                                                                                                                                                                                                                      |
| CONNECTIVITY                     | EBI/EMI, I²C, SPI, UART/USART                                                                                                                                                                                            |
| BASE PART NUMBER                 | ATMEGA2560                                                                                                                                                                                                               |

Related Tags

|                                                |                                        |                                                         |
|------------------------------------------------|----------------------------------------|---------------------------------------------------------|
| Micrel / Microchip Technology ATMEGA2560-16AUR | ATMEGA2560-16AUR Distributor           | ATMEGA2560-16AUR Supplier                               |
| ATMEGA2560-16AUR Price                         | ATMEGA2560-16AUR Pictures              | ATMEGA2560-16AUR Image                                  |
| ATMEGA2560-16AUR PDF Datasheet                 | ATMEGA2560-16AUR Download Datasheet    | ATMEGA2560-16AUR Datasheet                              |
| ATMEGA2560-16AUR Stock                         | Buy ATMEGA2560-16AUR                   | Buy Micrel / Microchip Technology ATMEGA2560-16AUR      |
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Related Products

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| <div></div> <div>ATMEGA2560-16CUR<br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 256KB FLASH 100CBGA<br/>In stock: 8574 pcs</div> <div>RFQ</div>   | <div></div> <div>ATMEGA16U4-AUR<br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 16KB FLASH 44TQFP<br/>In stock: 21530 pcs</div> <div>RFQ</div>      |
| <div></div> <div>ATMEGA2560-16CU<br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 256KB FLASH 100CBGA<br/>In stock: 12951 pcs</div> <div>RFQ</div>   | <div></div> <div>ATMEGA2560-16AI<br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 256KB FLASH 100TQFP<br/>In stock: 6146 pcs</div> <div>RFQ</div>    |
| <div></div> <div>ATMEGA16U4-MUR<br/>Manufacturers: Microchip Technology<br/>Description: IC MCU 8BIT 16KB FLASH 44QFN<br/>In stock: 29670 pcs</div> <div>RFQ</div>                | <div></div> <div>ATMEGA2560R212-AU<br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC RF TXRX+MCU 802.15.4 100-TQFP<br/>In stock: 3136 pcs</div> <div>RFQ</div> |
| <div></div> <div>ATMEGA2560R212-CU<br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC RF TXRX+MCU 802.15.4 100TFBGA<br/>In stock: 3262 pcs</div> <div>RFQ</div> | <div></div> <div>ATMEGA2560-16AU<br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 256KB FLASH 100TQFP<br/>In stock: 8188 pcs</div> <div>RFQ</div>    |
| <div></div> <div>ATMEGA16U4-MU<br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 16KB FLASH 44QFN<br/>In stock: 21046 pcs</div> <div>RFQ</div>        | <div></div> <div>ATMEGA2560-16CUR<br/>Manufacturers: Microchip Technology<br/>Description: IC MCU 8BIT 256KB FLASH 100CBGA<br/>In stock: 7687 pcs</div> <div>RFQ</div>            |
| <div></div> <div>ATMEGA16U4-MUR<br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 16KB FLASH 44QFN<br/>In stock: 31817 pcs</div> <div>RFQ</div>       | <div></div> <div>ATMEGA2560R231-AU<br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC RF TXRX+MCU 802.15.4 100-TQFP<br/>In stock: 5604 pcs</div> <div>RFQ</div> |