



AT32UC3B1256-AUR

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | AT32UC3B1256-AUR                                                                                             |
| Manufacturer/Brand: | Micrel / Microchip Technology                                                                                |
| Product description | IC MCU 32BIT 256KB FLASH 48TQFP                                                                              |
|                     |  1.AT32UC3B1256-AUR.pdf     |
|                     |  2.AT32UC3B1256-AUR.pdf     |
| Datasheets:         |                                                                                                              |
| RoHs Status         |  Lead free / RoHS Compliant |
| Stock Condition     | 18101 pcs stock                                                                                              |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

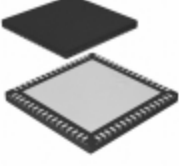
Specifications of AT32UC3B1256-AUR

|                                  |                                                                                                                                                                                                                          |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | AT32UC3B1256-AUR                                                                                                                                                                                                         |
| MANUFACTURER                     | Micrel / Microchip Technology                                                                                                                                                                                            |
| DESCRIPTION                      | IC MCU 32BIT 256KB FLASH 48TQFP                                                                                                                                                                                          |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                               |
| QUANTITY AVAILABLE               | 18101 pcs                                                                                                                                                                                                                |
| DATA SHEET                       |  1.AT32UC3B1256-AUR.pdf<br> 2.AT32UC3B1256-AUR.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.65 V ~ 3.6 V                                                                                                                                                                                                           |
| SUPPLIER DEVICE PACKAGE          | 48-TQFP (7x7)                                                                                                                                                                                                            |
| SPEED                            | 60MHz                                                                                                                                                                                                                    |
| SERIES                           | AVR®32 UC3 B                                                                                                                                                                                                             |
| RAM SIZE                         | 32K x 8                                                                                                                                                                                                                  |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                                                                                                                                    |
| PROGRAM MEMORY SIZE              | 256KB (256K x 8)                                                                                                                                                                                                         |
| PERIPHERALS                      | Brown-out Detect/Reset, DMA, POR, PWM, WDT                                                                                                                                                                               |
| PACKAGING                        | Tape & Reel (TR)                                                                                                                                                                                                         |
| PACKAGE / CASE                   | 48-TQFP                                                                                                                                                                                                                  |
| OTHER NAMES                      | AT32UC3B1256-AUR-ND<br>AT32UC3B1256-AURTR<br>AT32UC3B1256AUR                                                                                                                                                             |
| OSCILLATOR TYPE                  | Internal                                                                                                                                                                                                                 |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                                                                                                                                                                        |
| NUMBER OF I/O                    | 28                                                                                                                                                                                                                       |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                                                                                                                                            |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                               |
| EEPROM SIZE                      | -                                                                                                                                                                                                                        |
| DETAILED DESCRIPTION             | AVR AVR®32 UC3 B Microcontroller IC 32-Bit 60MHz 256KB (256K x 8) FLASH 48-TQFP (7x7)                                                                                                                                    |
| DATA CONVERTERS                  | A/D 6x10b                                                                                                                                                                                                                |
| CORE SIZE                        | 32-Bit                                                                                                                                                                                                                   |
| CORE PROCESSOR                   | AVR                                                                                                                                                                                                                      |
| CONNECTIVITY                     | I²C, IrDA, SPI, SSC, UART/USART, USB                                                                                                                                                                                     |
| BASE PART NUMBER                 | AT32UC3B1256                                                                                                                                                                                                             |

Related Tags

|                                                |                                        |                                                         |
|------------------------------------------------|----------------------------------------|---------------------------------------------------------|
| Micrel / Microchip Technology AT32UC3B1256-AUR | AT32UC3B1256-AUR Distributor           | AT32UC3B1256-AUR Supplier                               |
| AT32UC3B1256-AUR Price                         | AT32UC3B1256-AUR Pictures              | AT32UC3B1256-AUR Image                                  |
| AT32UC3B1256-AUR PDF Datasheet                 | AT32UC3B1256-AUR Download Datasheet    | AT32UC3B1256-AUR Datasheet                              |
| AT32UC3B1256-AUR Stock                         | Buy AT32UC3B1256-AUR                   | Buy Micrel / Microchip Technology AT32UC3B1256-AUR      |
| Micrel / Microchip Technology AT32UC3B1256-AUR | Micrel / Microchip Technology Supplier | Micrel / Microchip Technology Distributor               |
| Micrel / Microchip Technology AT32UC3B1256-AUR | Microchip Technology AT32UC3B1256-AUR  | Roving Networks / Microchip Technology AT32UC3B1256-AUR |

Related Products

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| <div><div><b>AT32UC3B1256-Z1UT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 256KB FLASH 48QFN<br/>In stock: 15799 pcs</div><div>RFQ</div></div> | <div><div><b>AT32UC3B1128-Z1UR</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 128KB FLASH 48QFN<br/>In stock: 18446 pcs</div><div>RFQ</div></div> |
| <div><div><b>AT32UC3B1128-AUR</b><br/>Manufacturers: Microchip Technology<br/>Description: IC MCU 32BIT 128KB FLASH 48TQFP<br/>In stock: 18595 pcs</div><div>RFQ</div></div>          | <div><div><b>AT32UC3B1256-Z1UR</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 256KB FLASH 48QFN<br/>In stock: 16717 pcs</div><div>RFQ</div></div> |
| <div><div><b>AT32UC3B1256-AUT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 256KB FLASH 48TQFP<br/>In stock: 14010 pcs</div><div>RFQ</div></div> | <div><div><b>AT32UC3B1128-AUT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 128KB FLASH 48TQFP<br/>In stock: 18079 pcs</div><div>RFQ</div></div> |
| <div><div><b>AT32UC3B1256-AUR</b><br/>Manufacturers: Microchip Technology<br/>Description: IC MCU 32BIT 256KB FLASH 48TQFP<br/>In stock: 16399 pcs</div><div>RFQ</div></div>          | <div><div><b>AT32UC3B1128-Z1UT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 128KB FLASH 48QFN<br/>In stock: 22632 pcs</div><div>RFQ</div></div> |
| <div><div><b>AT32UC3B1512-Z1UT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 512KB FLASH 48QFN<br/>In stock: 10883 pcs</div><div>RFQ</div></div> | <div><div><b>AT32UC3B064-Z2UT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 64KB FLASH 64QFN<br/>In stock: 18123 pcs</div><div>RFQ</div></div>   |
| <div><div><b>AT32UC3B1512-Z1UR</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 512KB FLASH 48QFN<br/>In stock: 13535 pcs</div><div>RFQ</div></div> | <div><div><b>AT32UC3B1128-AUR</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 128KB FLASH 48TQFP<br/>In stock: 18509 pcs</div><div>RFQ</div></div> |