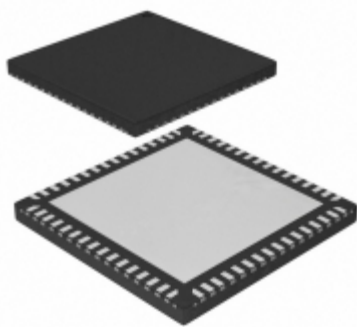


ATUC256L3U-Z3UR





Part Number: [ATUC256L3U-Z3UR](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC MCU 32BIT 256KB FLASH 64QFN

Data sheet:  [ATUC64L\\_128L\\_256LxU Summary](#)  
 [ATUCxL3/4U Datasheet](#)

RoHs Status: Lead free / RoHS Compliant

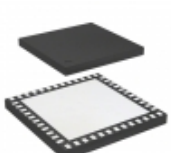
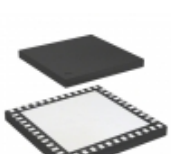
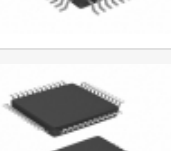
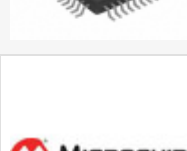
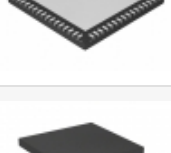
Ship From: Hong Kong

Shipment Way: DHL/Fedex/TNT/UPS/EMS

Images are for reference only.  
See Product Specifications for product details.  
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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                            |                                  |                                                                                      |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|----------------------------------|--------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | ATUC256L3U-Z3UR                            | Manufacturer                     | <a href="#">Micrel / Microchip Technology</a>                                        |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | IC MCU 32BIT 256KB FLASH 64QFN             | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                           |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 13470 pcs                                  | Data sheet                       | <a href="#">ATUC64L_128L_256LxU Summary</a><br><a href="#">ATUCxL3/4U Datasheet</a>  |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <a href="#">Integrated Circuits (ICs)</a>  | Voltage - Supply (Vcc/Vdd)       | 1.62 V ~ 3.6 V                                                                       |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 64-QFN (9x9)                               | Speed                            | 50MHz                                                                                |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | AVR®32 UC3 L                               | 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 64-VFQFN Exposed Pad                       | Other Names                      | ATUC256L3U-Z3URTR<br>ATUC256L3UZ3UR                                                  |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Internal                                   | Operating Temperature            | -40°C ~ 85°C (TA)                                                                    |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 51                                         | Moisture Sensitivity Level (MSL) | 3 (168 Hours)                                                                        |
| Manufacturer Standard Lead Time                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 6 Weeks                                    | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                           |
| EEPROM Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | -                                          | Detailed Description             | AVR AVR®32 UC3 L Microcontroller IC 32-Bit 50MHz 256KB (256K x 8) FLASH 64-QFN (9x9) |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | A/D 8x12b                                  | Core Size                        | 32-Bit                                                                               |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | AVR                                        | Connectivity                     | I²C, SPI, UART/USART, USB                                                            |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | ATUC256                                    |                                  |                                                                                      |
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| RELATED PRODUCTS                                                                   |                                                                                          |                                                              |                |
|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|--------------------------------------------------------------|----------------|
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|  | Part#: <a href="#">ATUC256L4U-AUTES</a><br>Description: IC MCU 32BIT 256KB FLASH 48TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATUC128L4U-D3HR</a><br>Description: IC MCU 32BIT 128KB FLASH 48TLLGA  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATUC128L3U-AUT</a><br>Description: IC MCU 32BIT 128KB FLASH 64TQFP    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATUC256L4U-D3HES</a><br>Description: IC MCU 32BIT 256KB FLASH 48TLLGA | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATUC256L3U-AUT</a><br>Description: IC MCU 32BIT 256KB FLASH 64TQFP    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATUC256L4U-D3HT</a><br>Description: IC MCU 32BIT 256KB FLASH 48TLLGA  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATUC128L4U-AUT</a><br>Description: IC MCU 32BIT 128KB FLASH 48TQFP    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATUC128L4U-D3HT</a><br>Description: IC MCU 32BIT 128KB FLASH 48TLLGA  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATUC256L4U-ZAUT</a><br>Description: IC MCU 32BIT 256KB FLASH 48QFN    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATUC256L3U-AUR</a><br>Description: IC MCU 32BIT 256KB FLASH 64TQFP    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATUC128L3U-Z3UR</a><br>Description: IC MCU 32BIT 128KB FLASH 64QFN    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATUC128L4U-AUR</a><br>Description: IC MCU 32BIT 128KB FLASH 48TQFP    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATUC256L4U-AUR</a><br>Description: IC MCU 32BIT 256KB FLASH 48TQFP    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATUC256L4U-ZAUR</a><br>Description: IC MCU 32BIT 256KB FLASH 48QFN    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATUC256L3U-Z3UT</a><br>Description: IC MCU 32BIT 256KB FLASH 64QFN    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATUC64D3-A2UR</a><br>Description: IC MCU 32BIT 64KB FLASH 64TQFP      | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATUC128L3U-AUR</a><br>Description: IC MCU 32BIT 128KB FLASH 64TQFP    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATUC128L3U-Z3UT</a><br>Description: IC MCU 32BIT 128KB FLASH 64QFN    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATUC256L4U-D3HR</a><br>Description: IC MCU 32BIT 256KB FLASH 48TLLGA  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |

|                                               |                                      |                                                           |                       |
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