

ATUC256L4U-AUT





Part Number: [ATUC256L4U-AUT](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC MCU 32BIT 256KB FLASH 48TQFP

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

RoHs Status: Lead free / RoHS Compliant

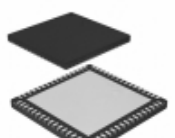
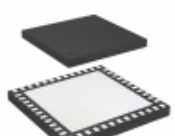
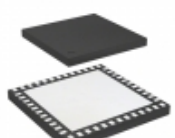
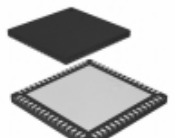
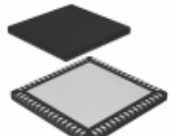
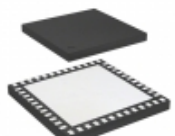
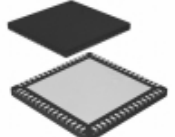
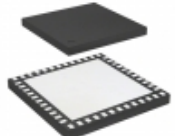
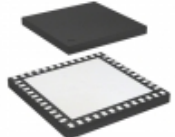
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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                            |                                  |                                                                                       |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|----------------------------------|---------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | ATUC256L4U-AUT                             | Manufacturer                     | <a href="#">Micrel / Microchip Technology</a>                                         |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | IC MCU 32BIT 256KB FLASH 48TQFP            | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                            |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 16599 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 48-TQFP (7x7)                              | 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                        | Tray                                                                                  |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 48-TQFP                                    | Other Names                      | ATUC256L4UAUT                                                                         |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Internal                                   | Operating Temperature            | -40°C ~ 85°C (TA)                                                                     |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 36                                         | Moisture Sensitivity Level (MSL) | 3 (168 Hours)                                                                         |
| Manufacturer Standard Lead Time                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 7 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 48-TQFP (7x7) |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | A/D 8x12b                                  | Core Size                        | 32-Bit                                                                                |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | AVR                                        | Connectivity                     | PC, SPI, UART/USART, USB                                                              |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | ATUC256                                    |                                  |                                                                                       |
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|  | 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="#">ATUC256L4U-AUR</a><br>Description: IC MCU 32BIT 256KB FLASH 48TQFP    | 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-AUR</a><br>Description: IC MCU 32BIT 128KB FLASH 48TQFP    | 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="#">ATUC256L4U-D3HR</a><br>Description: IC MCU 32BIT 256KB FLASH 48TLLGA  | 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="#">ATUC64D3-Z2UR</a><br>Description: IC MCU 32BIT 64KB FLASH 64QFN       | 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-D3HES</a><br>Description: IC MCU 32BIT 256KB FLASH 48TLLGA | 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="#">ATUC64D3-Z2UT</a><br>Description: IC MCU 32BIT 64KB FLASH 64QFN       | 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-D3HT</a><br>Description: IC MCU 32BIT 256KB FLASH 48TLLGA  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | 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="#">ATUC256L4U-ZAUR</a><br>Description: IC MCU 32BIT 256KB FLASH 48QFN    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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