

AT32UC3B164-Z1UT



Part Number: [AT32UC3B164-Z1UT](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC MCU 32BIT 64KB FLASH 48QFN

Data sheet:  [AT32UC3B Series Summary](#)  
 [AT32UC3B Series Complete](#)

RoHs Status: Lead free / RoHS Compliant

Ship From: Hong Kong

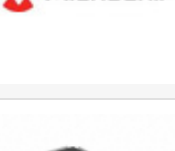
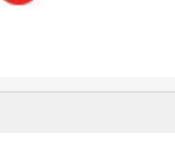
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| PRODUCT PARAMETER               |                                            |                                  |                                                                                     |
|---------------------------------|--------------------------------------------|----------------------------------|-------------------------------------------------------------------------------------|
| Part Number                     | AT32UC3B164-Z1UT                           | Manufacturer                     | <a href="#">Micrel / Microchip Technology</a>                                       |
| Description                     | IC MCU 32BIT 64KB FLASH 48QFN              | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                          |
| Quantity Available              | 21899 pcs                                  | Data sheet                       | <a href="#">AT32UC3B Series Summary</a><br><a href="#">AT32UC3B Series Complete</a> |
| Category                        | <a href="#">Integrated Circuits (ICs)</a>  | Voltage - Supply (Vcc/Vdd)       | 1.65 V ~ 3.6 V                                                                      |
| Supplier Device Package         | 48-QFN (7x7)                               | Speed                            | 60MHz                                                                               |
| Series                          | AVR®32 UC3 B                               | RAM Size                         | 16K x 8                                                                             |
| Program Memory Type             | FLASH                                      | Program Memory Size              | 64KB (64K x 8)                                                                      |
| Peripherals                     | Brown-out Detect/Reset, DMA, POR, PWM, WDT | Packaging                        | Tray                                                                                |
| Package / Case                  | 48-VFQFN Exposed Pad                       | Other Names                      | AT32UC3B164Z1UT                                                                     |
| Oscillator Type                 | Internal                                   | Operating Temperature            | -40°C ~ 85°C (TA)                                                                   |
| Number of I/O                   | 28                                         | Moisture Sensitivity Level (MSL) | 3 (168 Hours)                                                                       |
| Manufacturer Standard Lead Time | 23 Weeks                                   | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                          |
| EEPROM Size                     | -                                          | Detailed Description             | AVR AVR®32 UC3 B Microcontroller IC 32-Bit 60MHz 64KB (64K x 8) FLASH 48-QFN (7x7)  |
| Data Converters                 | A/D 6x10b                                  | Core Size                        | 32-Bit                                                                              |
| Core Processor                  | AVR                                        | Connectivity                     | I²C, IrDA, SPI, SSC, UART/USART, USB                                                |
| Base Part Number                | AT32UC3B164                                |                                  |                                                                                     |

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|------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|--------------------------------------------------------------|----------------|
|  | Part#: <a href="#">AT32UC3C0512C-ALUT</a><br>Description: IC MCU 32BIT 512KB FLASH 144LQFP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AT32UC3B1128-Z1UT</a><br>Description: IC MCU 32BIT 128KB FLASH 48QFN      | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AT32UC3B1512-Z1UT</a><br>Description: IC MCU 32BIT 512KB FLASH 48QFN      | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AT32UC3C0256C-ALUR</a><br>Description: IC MCU 32BIT 256KB FLASH 144LQFP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AT32UC3B1256-AUR</a><br>Description: IC MCU 32BIT 256KB FLASH 48TQFP      | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">AT32UC3C0256C-ALUT</a><br>Description: IC MCU 32BIT 256KB FLASH 144LQFP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AT32UC3C0128C-ALUT</a><br>Description: IC MCU 32BIT 128KB FLASH 144LQFP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AT32UC3C0512CAU-ALUT</a><br>Description: IC MCU 32BIT 512KB FLASH 144LQFP | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">AT32UC3C0512C-ALUR</a><br>Description: IC MCU 32BIT 512KB FLASH 144LQFP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AT32UC3C-EK</a><br>Description: KIT EVAL AVR32 UC3 MCU IND AUTO           | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AT32UC3C0512C-ALZT</a><br>Description: IC MCU 32BIT 512KB FLASH 144LQFP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AT32UC3B1256-Z1UR</a><br>Description: IC MCU 32BIT 256KB FLASH 48QFN      | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AT32UC3C0512C-ALZR</a><br>Description: IC MCU 32BIT 512KB FLASH 144LQFP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AT32UC3B1256-Z1UT</a><br>Description: IC MCU 32BIT 256KB FLASH 48QFN      | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AT32UC3B164-AUR</a><br>Description: IC MCU 32BIT 64KB FLASH 48TQFP        | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AT32UC3B1256-AUT</a><br>Description: IC MCU 32BIT 256KB FLASH 48TQFP      | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AT32UC3C0128C-ALUR</a><br>Description: IC MCU 32BIT 128KB FLASH 144LQFP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AT32UC3B164-Z1UR</a><br>Description: IC MCU 32BIT 64KB FLASH 48QFN        | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |

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