



Micrel / Microchip Technology

## AT32UC3A0512AU-ALTRA

Part Number:	AT32UC3A0512AU-ALTRA
Manufacturer/Brand:	Micrel / Microchip Technology
Product description:	IC MCU 32BIT 512KB FLASH 144LQFP
Datasheets:	<a href="#">1.AT32UC3A0512AU-ALTRA.pdf</a> <a href="#">2.AT32UC3A0512AU-ALTRA.pdf</a>
RoHS Status:	Lead free / RoHS Compliant
Ship From:	Hong Kong
Shipment Way:	DHL/Fedex/TNT/UPS/EMS

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Image may be representation. See specifications for product details.

### Specifications of AT32UC3A0512AU-ALTRA

PART NUMBER	AT32UC3A0512AU-ALTRA
MANUFACTURER	Micrel / Microchip Technology
DESCRIPTION	IC MCU 32BIT 512KB FLASH 144LQFP
LEAD FREE STATUS / ROHS STATUS	Lead free / RoHS Compliant
DATA SHEET	<a href="#">1.AT32UC3A0512AU-ALTRA.pdf</a> <a href="#">2.AT32UC3A0512AU-ALTRA.pdf</a>
VOLTAGE - SUPPLY (VCC/VDD)	1.65 V ~ 3.6 V
SUPPLIER DEVICE PACKAGE	144-LQFP (20x20)
SPEED	66MHz
SERIES	AVR@32 UC3 A0 Audio
RAM SIZE	64K x 8
PROGRAM MEMORY TYPE	FLASH
PROGRAM MEMORY SIZE	512KB (512K x 8)
PERIPHERALS	Brown-out Detect/Reset, POR, PWM, WDT
PACKAGING	Tape & Reel (TR)
PACKAGE / CASE	144-LQFP
OTHER NAMES	1611-AT32UC3A0512AU-ALTRATR
OSCILLATOR TYPE	Internal
OPERATING TEMPERATURE	-40°C ~ 85°C (TA)
NUMBER OF I/O	109
MOISTURE SENSITIVITY LEVEL (MSL)	3 (168 Hours)
LEAD FREE STATUS / ROHS STATUS	Lead free / RoHS Compliant
EEPROM SIZE	-
DETAILED DESCRIPTION	AVR AVR@32 UC3 A0 Audio Microcontroller IC 32-Bit 66MHz 512KB (512K x 8) FLASH 144-LQFP (20x20)
DATA CONVERTERS	A/D 8x10b, D/A 2x16b
CORE SIZE	32-Bit
CORE PROCESSOR	AVR
CONNECTIVITY	EBI/EMI, Ethernet, I <sup>2</sup> C, SPI, SSC, UART/USART, USB OTG

### Related Tags

Micrel / Microchip Technology AT32UC3A0512AU-ALTRA	AT32UC3A0512AU-ALTRA Distributor	AT32UC3A0512AU-ALTRA Supplier
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AT32UC3A0512AU-ALTRA PDF Datasheet	AT32UC3A0512AU-ALTRA Download Datasheet	AT32UC3A0512AU-ALTRA Datasheet
AT32UC3A0512AU-ALTRA Stock	Buy AT32UC3A0512AU-ALTRA	Buy Micrel / Microchip Technology AT32UC3A0512AU-ALTRA
Micrel / Microchip Technology AT32UC3A0512AU-ALTRA	Micrel / Microchip Technology Supplier	Micrel / Microchip Technology Distributor
Micrel / Microchip Technology AT32UC3A0512AU-ALTRA	Microchip Technology AT32UC3A0512AU-ALTRA	Roving Networks / Microchip Technology AT32UC3A0512AU-ALTRA

### Related Products

<p><b>AT32UC3A1256-AUT</b>                  Manufacturers: Micrel / Microchip Technology                  Description: IC MCU 32BIT 256KB FLASH 100TQFP                  In stock: Out stock  <a href="#">RFQ</a></p>	<p><b>AT32UC3A0512-ALTTA</b>                  Manufacturers: Micrel / Microchip Technology                  Description: IC MCU 32BIT 512KB FLASH 144LQFP                  In stock: Out stock  <a href="#">RFQ</a></p>
<p><b>AT32UC3A0512AU-ALUT</b>                  Manufacturers: Micrel / Microchip Technology                  Description: IC MCU 32BIT 512KB FLASH 144LQFP                  In stock: 19 pcs  <a href="#">RFQ</a></p>	<p><b>AT32UC3A1128-AUT</b>                  Manufacturers: Micrel / Microchip Technology                  Description: IC MCU 32BIT 128KB FLASH 100TQFP                  In stock: 315 pcs  <a href="#">RFQ</a></p>
<p><b>AT32UC3A1256AU-AUR</b>                  Manufacturers: Micrel / Microchip Technology                  Description: IC MCU 32BIT 256KB FLASH 100TQFP                  In stock: 653 pcs  <a href="#">RFQ</a></p>	<p><b>AT32UC3A1128-AUR</b>                  Manufacturers: Micrel / Microchip Technology                  Description: IC MCU 32BIT 128KB FLASH 100TQFP                  In stock: Out stock  <a href="#">RFQ</a></p>
<p><b>AT32UC3A0512-ALTT</b>                  Manufacturers: Micrel / Microchip Technology                  Description: IC MCU 32BIT 512KB FLASH 144LQFP                  In stock: Out stock  <a href="#">RFQ</a></p>	<p><b>AT32UC3A0512-ALUT</b>                  Manufacturers: Micrel / Microchip Technology                  Description: IC MCU 32BIT 512KB FLASH 144LQFP                  In stock: Out stock  <a href="#">RFQ</a></p>
<p><b>AT32UC3A0512-CTUR</b>                  Manufacturers: Micrel / Microchip Technology                  Description: IC MCU 32BIT 512KB FLASH 144BGA                  In stock: Out stock  <a href="#">RFQ</a></p>	<p><b>AT32UC3A1256-AUR</b>                  Manufacturers: Micrel / Microchip Technology                  Description: IC MCU 32BIT 256KB FLASH 100TQFP                  In stock: Out stock  <a href="#">RFQ</a></p>
<p><b>AT32UC3A0512-ALUR</b>                  Manufacturers: Micrel / Microchip Technology                  Description: IC MCU 32BIT 512KB FLASH 144LQFP                  In stock: Out stock  <a href="#">RFQ</a></p>	<p><b>AT32UC3A0512-CTUT</b>                  Manufacturers: Micrel / Microchip Technology                  Description: IC MCU 32BIT 512KB FLASH 144BGA                  In stock: 269 pcs  <a href="#">RFQ</a></p>

