



Micrel / Microchip Technology

## ATSAM3U1CB-CU

Part Number:	ATSAM3U1CB-CU
Manufacturer/Brand:	Micrel / Microchip Technology
Product description:	IC MCU 32BIT 64KB FLASH 100TFBGA
Datasheets:	<a href="#">PDF ATSAM3U1CB-CU.pdf</a>
RoHS Status:	Lead free / RoHS Compliant
Ship From:	Hong Kong
Shipment Way:	DHL/Fedex/TNT/UPS/EMS

[REQUEST FOR QUOTATION](#)

Image may be representation. See specifications for product details.

### Specifications of ATSAM3U1CB-CU

PART NUMBER	ATSAM3U1CB-CU
MANUFACTURER	Micrel / Microchip Technology
DESCRIPTION	IC MCU 32BIT 64KB FLASH 100TFBGA
LEAD FREE STATUS / ROHS STATUS	Lead free / RoHS Compliant
DATA SHEET	<a href="#">PDF ATSAM3U1CB-CU.pdf</a>
VOLTAGE - SUPPLY (VCC/VDD)	1.62 V ~ 3.6 V
SUPPLIER DEVICE PACKAGE	100-TFBGA (9x9)
SPEED	96MHz
SERIES	SAM3U
RAM SIZE	20K x 8
PROGRAM MEMORY TYPE	FLASH
PROGRAM MEMORY SIZE	64KB (64K x 8)
PERIPHERALS	Brown-out Detect/Reset, DMA, I <sup>2</sup> S, POR, PWM, WDT
PACKAGING	Tray
PACKAGE / CASE	100-TFBGA
OTHER NAMES	ATSAM3U1CBCU
OSCILLATOR TYPE	Internal
OPERATING TEMPERATURE	-40°C ~ 85°C (TA)
NUMBER OF I/O	57
MOISTURE SENSITIVITY LEVEL (MSL)	3 (168 Hours)
MANUFACTURER STANDARD LEAD TIME	5 Weeks
LEAD FREE STATUS / ROHS STATUS	Lead free / RoHS Compliant
EEPROM SIZE	-
DETAILED DESCRIPTION	ARM® Cortex®-M3 SAM3U Microcontroller IC 32-Bit 96MHz 64KB (64K x 8) FLASH 100-TFBGA (9x9)
DATA CONVERTERS	A/D 4x10b, 4x12b
CORE SIZE	32-Bit
CORE PROCESSOR	ARM® Cortex®-M3
CONNECTIVITY	EBI/EMI, I <sup>2</sup> C, Memory Card, SPI, SSC, UART/USART, USB
BASE PART NUMBER	ATSAM3U1

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<p><b>ATSAM3U1EB-AU</b> Manufacturers: Microchip Technology Description: IC MCU 32BIT 64KB FLASH 144LQFP In stock: 299 pcs <a href="#">RFQ</a></p>	<p><b>ATSAM3U1CA-AU</b> Manufacturers: Micrel / Microchip Technology Description: IC MCU 32BIT 64KB FLASH 100LQFP In stock: 57 pcs <a href="#">RFQ</a></p>
<p><b>ATSAM3U1CB-AU</b> Manufacturers: Micrel / Microchip Technology Description: IC MCU 32BIT 64KB FLASH 100LQFP In stock: Out stock <a href="#">RFQ</a></p>	<p><b>ATSAM3U1EA-CU</b> Manufacturers: Micrel / Microchip Technology Description: IC MCU 32BIT 64KB FLASH 144BGA In stock: 132 pcs <a href="#">RFQ</a></p>
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<p><b>ATSAM3U1EB-AU</b> Manufacturers: Micrel / Microchip Technology Description: IC MCU 32BIT 64KB FLASH 144LQFP In stock: 175 pcs <a href="#">RFQ</a></p>	<p><b>ATSAM3U-EK</b> Manufacturers: Micrel / Microchip Technology Description: KIT EVAL FOR AT91SAM3U CORTEX In stock: Out stock <a href="#">RFQ</a></p>
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