



Micrel / Microchip Technology

AT32UC3C0512CAU-ALUT

Part Number:	AT32UC3C0512CAU-ALUT
Manufacturer/Brand:	Micrel / Microchip Technology
Product description:	IC MCU 32BIT 512KB FLASH 144LQFP
Datasheets:	1.AT32UC3C0512CAU-ALUT.pdf 2.AT32UC3C0512CAU-ALUT.pdf 3.AT32UC3C0512CAU-ALUT.pdf
RoHS Status:	Lead free / RoHS Compliant
Stock Condition:	4647 pcs stock
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 AT32UC3C0512CAU-ALUT

PART NUMBER	AT32UC3C0512CAU-ALUT
MANUFACTURER	Micrel / Microchip Technology
DESCRIPTION	IC MCU 32BIT 512KB FLASH 144LQFP
LEAD FREE STATUS / ROHS STATUS	Lead free / RoHS Compliant
QUANTITY AVAILABLE	4647 pcs
DATA SHEET	1.AT32UC3C0512CAU-ALUT.pdf 2.AT32UC3C0512CAU-ALUT.pdf 3.AT32UC3C0512CAU-ALUT.pdf
VOLTAGE - SUPPLY (VCC/VDD)	3 V ~ 5.5 V
SUPPLIER DEVICE PACKAGE	144-LQFP (20x20)
SPEED	66MHz
SERIES	AVR@32 UC3 C Audio
RAM SIZE	64K x 8
PROGRAM MEMORY TYPE	FLASH
PROGRAM MEMORY SIZE	512KB (512K x 8)
PERIPHERALS	Brown-out Detect/Reset, DMA, I ² S, POR, PWM, WDT
PACKAGING	Tray
PACKAGE / CASE	144-LQFP
OTHER NAMES	AT32UC3C0512CAUALUT
OSCILLATOR TYPE	Internal
OPERATING TEMPERATURE	-40°C ~ 85°C (TA)
NUMBER OF I/O	123
MOISTURE SENSITIVITY LEVEL (MSL)	3 (168 Hours)
LEAD FREE STATUS / ROHS STATUS	Lead free / RoHS Compliant
EEPROM SIZE	-
DETAILED DESCRIPTION	AVR AVR@32 UC3 C Audio Microcontroller IC 32-Bit 66MHz 512KB (512K x 8) FLASH 144-LQFP (20x20)
DATA CONVERTERS	A/D 16x12b, D/A 4x12b
CORE SIZE	32-Bit
CORE PROCESSOR	AVR
CONNECTIVITY	CANbus, EBI/EMI, Ethernet, I ² C, IrDA, LINbus, SPI, UART/USART, USB
BASE PART NUMBER	AT32UC3C0512

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