

AT32UC3C2512C-A2ZR





Part Number: [AT32UC3C2512C-A2ZR](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC MCU 32BIT 512KB FLASH 64TQFP

Data sheet:  [AT32UC3CyyyyC Automotive Summary](#)
 [AT32UC3Cx512C Automotive Datasheet](#)

RoHs Status: Lead free / RoHS Compliant

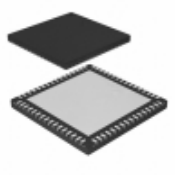
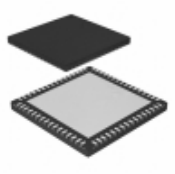
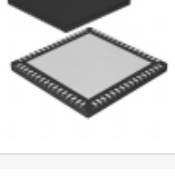
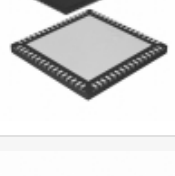
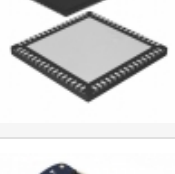
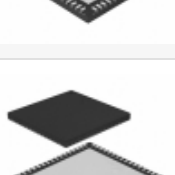
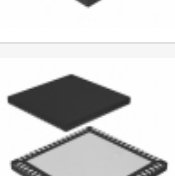
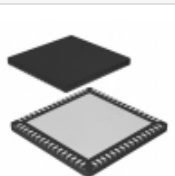
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PRODUCT PARAMETER			
Part Number	AT32UC3C2512C-A2ZR	Manufacturer	Micrel / Microchip Technology
Description	IC MCU 32BIT 512KB FLASH 64TQFP	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	5721 pcs	Data sheet	AT32UC3CyyyyC Automotive Summary AT32UC3Cx512C Automotive Datasheet
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	3 V ~ 5.5 V
Supplier Device Package	64-TQFP (10x10)	Speed	66MHz
Series	Automotive, AEC-Q100, AVR@32 UC3 C	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	Tape & Reel (TR)
Package / Case	64-TQFP Exposed Pad	Other Names	AT32UC3C2512C-A2ZR-ND AT32UC3C2512C-A2ZRTR AT32UC3C2512CA2ZR
Oscillator Type	Internal	Operating Temperature	-40°C ~ 125°C (TA)
Number of I/O	45	Moisture Sensitivity Level (MSL)	3 (168 Hours)
Lead Free Status / RoHS Status	Lead free / RoHS Compliant	EEPROM Size	-
Detailed Description	AVR Automotive, AEC-Q100, AVR@32 UC3 C Microcontroller IC 32-Bit 66MHz 512KB (512K x 8) FLASH 64-TQFP (10x10)	Data Converters	A/D 11x12b, D/A 2x12b
Core Size	32-Bit	Core Processor	AVR
Connectivity	CANbus, Ethernet, I ² C, IrDA, LINbus, SPI, UART/USART, USB	Base Part Number	AT32UC3C2512
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