

ATSAM3U2CA-AU



Part Number: [ATSAM3U2CA-AU](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC MCU 32BIT 128KB FLASH 100LQFP

Data sheet:  [SAM3U Series](#)

RoHs Status: Lead free / RoHS Compliant

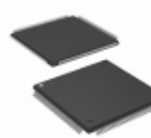
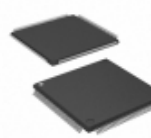
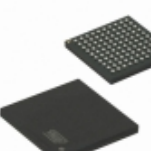
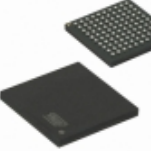
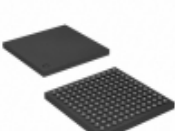
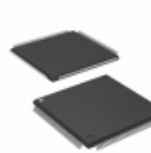
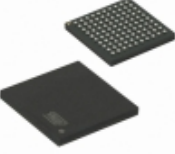
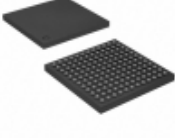
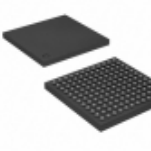
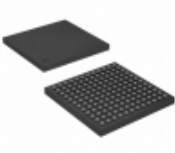
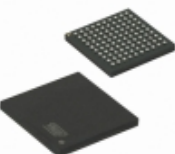
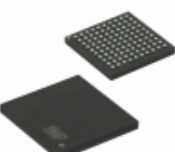
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PRODUCT PARAMETER			
Part Number	ATSAM3U2CA-AU	Manufacturer	Micrel / Microchip Technology
Description	IC MCU 32BIT 128KB FLASH 100LQFP	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	27268 pcs	Data sheet	SAM3U Series
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	1.62 V ~ 3.6 V
Supplier Device Package	100-LQFP (14x14)	Speed	96MHz
Series	SAM3U	RAM Size	36K x 8
Program Memory Type	FLASH	Program Memory Size	128KB (128K x 8)
Peripherals	Brown-out Detect/Reset, DMA, I²S, POR, PWM, WDT	Packaging	Tray
Package / Case	100-LQFP	Other Names	ATSAM3U2CAAU
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	12 Weeks	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
EEPROM Size	-	Detailed Description	ARM® Cortex®-M3 SAM3U Microcontroller IC 32-Bit 96MHz 128KB (128K x 8) FLASH 100-LQFP (14x14)
Data Converters	A/D 4x10b, 4x12b	Core Size	32-Bit
Core Processor	ARM® Cortex®-M3	Connectivity	EBI/EMI, I²C, Memory Card, SPI, SSC, UART/USART, USB
Base Part Number	ATSAM3U2		
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	Part#: ATSAM3U1CB-AU Description: IC MCU 32BIT 64KB FLASH 100LQFP	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATSAM3U4CA-CU Description: IC MCU 32BIT 256KB FLASH 100BGA	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATSAM3SD8CA-CUR Description: IC MCU 32BIT 512KB FLASH 100BGA	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATSAM3U1CA-AU Description: IC MCU 32BIT 64KB FLASH 100LQFP	Manufacturers: Micrel / Microchip Technology	RFQ
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	Part#: ATSAM3U4EA-CU Description: IC MCU 32BIT 256KB FLASH 144BGA	Manufacturers: Micrel / Microchip Technology	RFQ
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	Part#: ATSAM3U2EA-AU Description: IC MCU 32BIT 128KB FLASH 144LQFP	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATSAM3U2EA-CU Description: IC MCU 32BIT 128KB FLASH 144BGA	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATSAM3X4CA-AU Description: IC MCU 32BIT 256KB FLASH 100LQFP	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATSAM3U1EA-CU Description: IC MCU 32BIT 64KB FLASH 144BGA	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATSAM3X-EK Description: EVAL KIT FOR SAM3X & SAM3A	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATSAM3U2CA-CU Description: IC MCU 32BIT 128KB FLASH 100BGA	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATSAM3U-EK Description: KIT EVAL FOR AT91SAM3U CORTEX	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATSAM3U1CA-CU Description: IC MCU 32BIT 64KB FLASH 100TFBGA	Manufacturers: Micrel / Microchip Technology	RFQ

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