

ATSAM3S1CB-AU



Part Number: [ATSAM3S1CB-AU](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC MCU 32BIT 64KB FLASH 100LQFP

Data sheet:  [SAM3S Summary](#)

RoHs Status: Lead free / RoHS Compliant

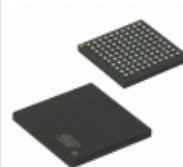
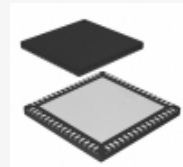
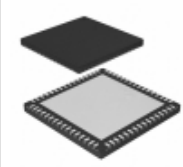
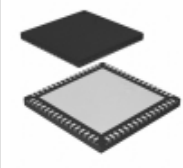
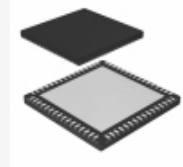
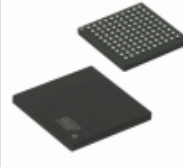
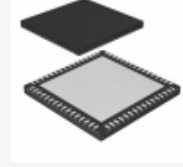
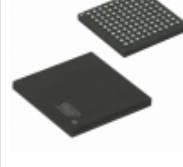
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PRODUCT PARAMETER			
Part Number	ATSAM3S1CB-AU	Manufacturer	Micrel / Microchip Technology
Description	IC MCU 32BIT 64KB FLASH 100LQFP	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	33209 pcs	Data sheet	SAM3S Summary
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	1.62 V ~ 3.6 V
Supplier Device Package	100-LQFP (14x14)	Speed	64MHz
Series	SAM3S	RAM Size	16K x 8
Program Memory Type	FLASH	Program Memory Size	64KB (64K x 8)
Peripherals	Brown-out Detect/Reset, DMA, I ² S, POR, PWM, WDT	Packaging	Tray
Package / Case	100-LQFP	Oscillator Type	Internal
Operating Temperature	-40°C ~ 85°C (TA)	Number of I/O	79
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 SAM3S Microcontroller IC 32-Bit 64MHz 64KB (64K x 8) FLASH 100-LQFP (14x14)	Data Converters	A/D 15x10/12b, D/A 2x12b
Core Size	32-Bit	Core Processor	ARM® Cortex®-M3
Connectivity	EBI/EMI, I ² C, Memory Card, SPI, SSC, UART/USART, USB	Base Part Number	ATSAM3S1
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	Part#: ATSAM3S2BA-MU Description: IC MCU 32BIT 128KB FLASH 64QFN	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATSAM3S1CA-AU Description: IC MCU 32BIT 64KB FLASH 100LQFP	Manufacturers: Micrel / Microchip Technology	RFQ
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