

ATSAM4SA16CA-AN



Part Number: [ATSAM4SA16CA-AN](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC MCU 32BIT 1MB FLASH 100LQFP

Data sheet:

RoHs Status: Lead free / RoHS Compliant

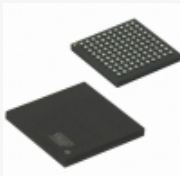
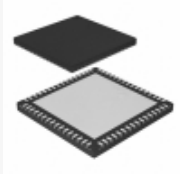
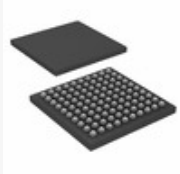
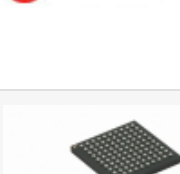
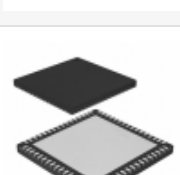
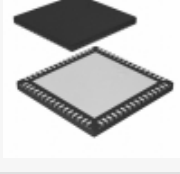
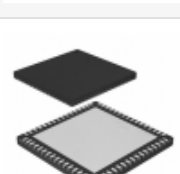
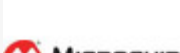
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PRODUCT PARAMETER			
Part Number	ATSAM4SA16CA-AN	Manufacturer	Micrel / Microchip Technology
Description	IC MCU 32BIT 1MB FLASH 100LQFP	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	4240 pcs	Data sheet	
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	1.62 V ~ 3.6 V
Supplier Device Package	100-LQFP (14x14)	Speed	120MHz
Series	SAM4S	RAM Size	160K x 8
Program Memory Type	FLASH	Program Memory Size	1MB (1M x 8)
Peripherals	Brown-out Detect/Reset, DMA, POR, PWM, WDT	Packaging	Tray
Package / Case	100-LQFP	Oscillator Type	Internal
Operating Temperature	-40°C ~ 105°C (TA)	Number of I/O	79
Moisture Sensitivity Level (MSL)	3 (168 Hours)	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
EEPROM Size	-	Detailed Description	ARM® Cortex®-M4 SAM4S Microcontroller IC 32-Bit 120MHz 1MB (1M x 8) FLASH 100-LQFP (14x14)
Data Converters	A/D 16x12b, D/A 2x12b	Core Size	32-Bit
Core Processor	ARM® Cortex®-M4	Connectivity	EBI/EMI, I²C, IrDA, Memory Card, SPI, SSC, UART/USART, USB
Base Part Number	ATSAM4SA16		
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	Part#: ATSAM4SA16BA-AUR Description: IC MCU 32BIT 1MB FLASH 64LQFP	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATSAM4SA16BA-MUR Description: IC MCU 32BIT 1MB FLASH 64QFN	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATSAM4SA16BA-AN Description: IC MCU 32BIT 1MB FLASH 64LQFP	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATSAM4SA16CA-CFU Description: IC MCU 32BIT 1MB FLASH 100VFBGA	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATSAM4SA16CB-ANR Description: FLASH,160K SRAM	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATSAM4SA16BB-ANR Description: FLASH,160K SRAM	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATSAM4SA16CB-CFN Description: FLASH,160K SRAM	Manufacturers: Micrel / Microchip Technology	RFQ
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	Part#: ATSAM4SA16BA-MU Description: IC MCU 32BIT 1MB FLASH 64QFN	Manufacturers: Micrel / Microchip Technology	RFQ
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	Part#: ATSAM4SA16BB-MN Description: FLASH,160K SRAM	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATSAM4SA16BB-AN Description: FLASH,160K SRAM	Manufacturers: Micrel / Microchip Technology	RFQ

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