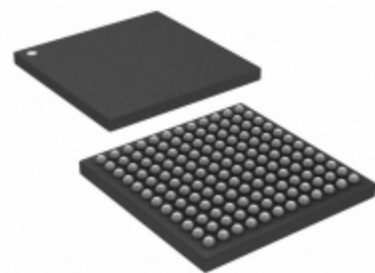


ATSAM4E16EB-CN



Images are for reference only.
See Product Specifications for product details.
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Part Number: [ATSAM4E16EB-CN](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC MCU 32BIT 1MB FLASH 144LFBGA

Data sheet:  [SAM4E Series Datasheet](#)

RoHs Status: Lead free / RoHS Compliant

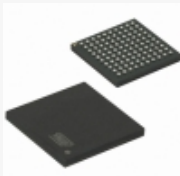
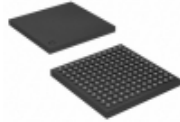
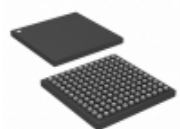
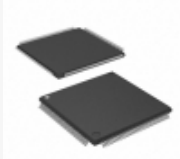
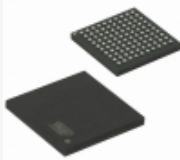
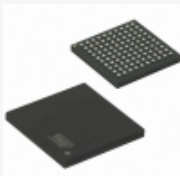
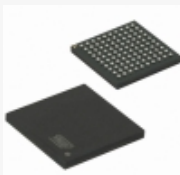
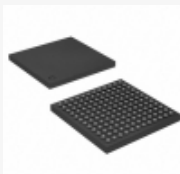
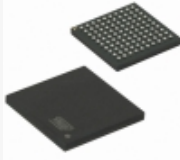
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PRODUCT PARAMETER			
Part Number	ATSAM4E16EB-CN	Manufacturer	Micrel / Microchip Technology
Description	IC MCU 32BIT 1MB FLASH 144LFBGA	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	22875 pcs	Data sheet	SAM4E Series Datasheet
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	1.62 V ~ 3.6 V
Supplier Device Package	144-LFBGA (10x10)	Speed	120MHz
Series	SAM4E	RAM Size	128K x 8
Program Memory Type	FLASH	Program Memory Size	1MB (1M x 8)
Peripherals	Brown-out Detect/Reset, DMA, POR, PWM, WDT	Packaging	Bulk
Package / Case	144-LFBGA	Other Names	1611-ATSAM4E16EB-CN
Oscillator Type	Internal	Operating Temperature	-40°C ~ 105°C (TA)
Number of I/O	117	Moisture Sensitivity Level (MSL)	3 (168 Hours)
Manufacturer Standard Lead Time	2 Weeks	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
EEPROM Size	-	Detailed Description	ARM® Cortex®-M4 SAM4E Microcontroller IC 32-Bit 120MHz 1MB (1M x 8) FLASH 144-LFBGA (10x10)
Data Converters	A/D 16x12b, D/A 2x12b	Core Size	32-Bit
Core Processor	ARM® Cortex®-M4	Connectivity	CANbus, EBI/EMI, Ethernet, IrDA, SD, SPI, UART/USART, USB

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	Part#: ATSAM4E16EA-CUR Description: IC MCU 32BIT 1MB FLASH 144LFBGA	Manufacturers: Micrel / Microchip Technology	RFQ
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	Part#: ATSAM4E16CB-CN Description: IC MCU 32BIT 1MB FLASH 144TFBGA	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATSAM4E16EA-AUR Description: IC MCU 32BIT 1MB FLASH 144LQFP	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATSAM4E8CB-ANR Description: 100LQFP, GREEN, EXT TEMP, MRL B, T&R	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATSAM4E8CA-AUR Description: IC MCU 32BIT 512KB FLASH 100LQFP	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATSAM4E8CA-CUR Description: IC MCU 32BIT 512KB FLASH 100BGA	Manufacturers: Micrel / Microchip Technology	RFQ
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	Part#: ATSAM4E16EA-ANR Description: IC MCU 32BIT 1MB FLASH 144LQFP	Manufacturers: Micrel / Microchip Technology	RFQ
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