

ATSAM4E8EA-CUR



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Part Number: [ATSAM4E8EA-CUR](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC MCU 32BIT 512KB FLASH 144BGA

Data sheet:  [ATSAM4E16E\(C\),8E\(C\)](#)
 [SAM4E Series Flyer](#)

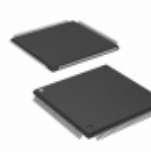
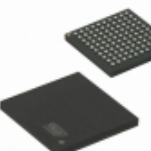
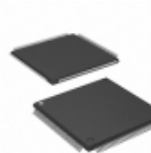
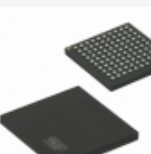
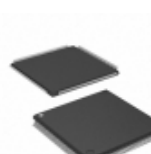
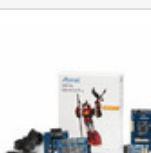
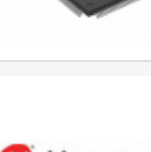
RoHs Status: Lead free / RoHS Compliant

Ship From: Hong Kong

Shipment Way: DHL/Fedex/TNT/UPS/EMS

Request For Quotation

PRODUCT PARAMETER			
Part Number	ATSAM4E8EA-CUR	Manufacturer	Micrel / Microchip Technology
Description	IC MCU 32BIT 512KB FLASH 144BGA	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	15414 pcs	Data sheet	ATSAM4E16E(C),8E(C) SAM4E Series Flyer
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	512KB (512K x 8)
Peripherals	Brown-out Detect/Reset, DMA, POR, PWM, WDT	Packaging	Tape & Reel (TR)
Package / Case	144-LFBGA	Other Names	ATSAM4E8EA-CURTR
Oscillator Type	Internal	Operating Temperature	-40°C ~ 85°C (TA)
Number of I/O	117	Moisture Sensitivity Level (MSL)	3 (168 Hours)
Manufacturer Standard Lead Time	10 Weeks	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
EEPROM Size	-	Detailed Description	ARM® Cortex®-M4 SAM4E Microcontroller IC 32-Bit 120MHz 512KB (512K 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
Base Part Number	ATSAM4E8		
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	Part#: ATSAM4E8EB-ANR Description: SRAM	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATSAM4E8CA-CUR Description: IC MCU 32BIT 512KB FLASH 100BGA	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATSAM4E8EA-ANR Description: IC MCU 32BIT 512KB FLASH 144LQFP	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATSAM4E8EB-AN Description: IC MCU 32BIT 512KB FLASH 144LQFP	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATSAM4L-XSTK Description: SAM4L XPLAINED PRO STARTER KIT	Manufacturers: Micrel / Microchip Technology	RFQ
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	Part#: ATSAM4E8EA-CU Description: IC MCU 32BIT 512KB FLASH 144BGA	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATSAM4E8EA-AU Description: IC MCU 32BIT 512KB FLASH 144LQFP	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATSAM4E8CB-CN Description: IC MCU 32BIT 512KB FLASH 100BGA	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATSAM4E8EA-AN Description: IC MCU 32BIT 512KB FLASH 144LQFP	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATSAM4E8CB-ANR Description: 100LQFP, GREEN, EXT TEMP, MRL B, T&R	Manufacturers: Micrel / Microchip Technology	RFQ
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	Part#: ATSAM4L8-XSTK Description: SAM4L XPLAINED PRO STARTER KIT	Manufacturers: Micrel / Microchip Technology	RFQ

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