

ATSAM4E16EA-AN





Part Number: [ATSAM4E16EA-AN](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC MCU 32BIT 1MB FLASH 144LQFP

Data sheet:  [SAM4E Series Flyer](#)
 [SAM4E Series Datasheet](#)

RoHs Status: Lead free / RoHS Compliant

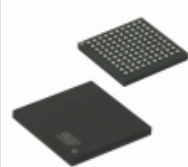
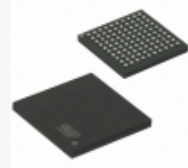
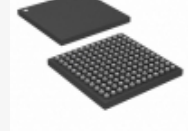
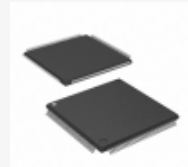
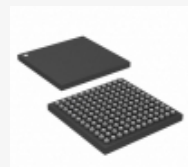
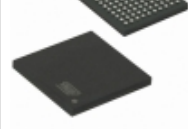
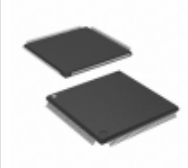
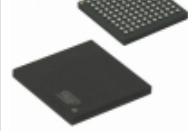
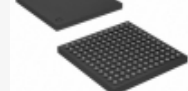
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PRODUCT PARAMETER			
Part Number	ATSAM4E16EA-AN	Manufacturer	Micrel / Microchip Technology
Description	IC MCU 32BIT 1MB FLASH 144LQFP	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	11290 pcs	Data sheet	SAM4E Series Flyer SAM4E Series Datasheet
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	1.62 V ~ 3.6 V
Supplier Device Package	144-LQFP (20x20)	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	Tray
Package / Case	144-LQFP	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	8 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-LQFP (20x20)	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	ATSAM4E16
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	Part#: ATSAM4E16CA-AN Description: IC MCU 32BIT 1MB FLASH 100LQFP	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATSAM4E16CB-AN Description: IC MCU 32BIT 1MB FLASH 100LQFP	Manufacturers: Micrel / Microchip Technology	RFQ
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