



Image may be representation.
See specifications for product details.



ATSAM4E8CA-AN

Manufacturer Part Number	ATSAM4E8CA-AN
Manufacturer	Microchip Technology
Allelco Part Number	32D-ATSAM4E8CA-AN
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IC MCU 32BIT 512KB FLASH 100LQFP
Package	100-LQFP
Data sheet	SAM4E Series Datasheet.pdf
	SAM4E Series Flyer.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

ATSAM4E8CA-AN - Microchip Technology. New Original in Stock. Download Linear Technology ATSAM4E8CA-AN datasheet/specifications on AllelcoElec.com.
Request a quote for ATSAM4E8CA-AN, please send us email: info@allelco.com

Specifications

ATSAM4E8CA-AN Tech Specifications

ATSAM4E8CA-AN - Microchip Technology technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Microchip Technology	Oscillator Type	Internal
Voltage - Supply (Vcc/Vdd)	1.62V ~ 3.6V	Operating Temperature	-40°C ~ 105°C (TA)
Supplier Device Package	100-LQFP (14x14)	Number of I/O	79
Speed	120MHz	Mounting Type	Surface Mount
Series	SAM4E	EEPROM Size	-
RAM Size	128K x 8	Data Converters	A/D 16x12b; D/A 2x12b
Program Memory Type	FLASH	Core Size	32-Bit Single-Core
Program Memory Size	512KB (512K x 8)	Core Processor	ARM® Cortex®-M4
Peripherals	Brown-out Detect/Reset, DMA, POR, PWM, WDT	Connectivity	CANbus, Ethernet, IrDA, MMC/SD, SPI, UART/USART, USB
Package / Case	100-LQFP	Base Product Number	ATSAM4E
Package	Tray		

Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology ATSAM4E8CA-AN

Product Attribute				
Part Number	ATSAM4E8CA-AN	ATSAM4E16EA-CUR	ATSAM4LC2AA-AU	ATSAM4E8CB-ANR
Manufacturer	Microchip Technology	Microchip Technology	Atmel	Microchip Technology
Operating Temperature	-40°C ~ 105°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 105°C (TA)
Core Size	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core
Program Memory Size	512KB (512K x 8)	1MB (1M x 8)	128KB (128K x 8)	512KB (512K x 8)
Number of I/O	79	117	27	79
Series	SAM4E	SAM4E	SAM4L	SAM4E
Package / Case	100-LQFP	144-LFBGA	48-TQFP	100-LQFP
Voltage - Supply (Vcc/Vdd)	1.62V ~ 3.6V	1.62V ~ 3.6V	1.68V ~ 3.6V	1.62V ~ 3.6V
Supplier Device Package	100-LQFP (14x14)	144-LFBGA (10x10)	48-TQFP (7x7)	100-LQFP (14x14)
Connectivity	CANbus, Ethernet, IrDA, MMC/SD, SPI, UART/USART, USB	CANbus, EBI/EMI, Ethernet, IrDA, SD, SPI, UART/USART, USB	I ² C, IrDA, LINbus, SPI, UART/USART, USB	CANbus, Ethernet, IrDA, MMC/SD, SPI, UART/USART, USB
Peripherals	Brown-out Detect/Reset, DMA, POR, PWM, WDT	Brown-out Detect/Reset, DMA, POR, PWM, WDT	Brown-out Detect/Reset, DMA, I ² S, LCD, POR, PWM, WDT	Brown-out Detect/Reset, DMA, POR, PWM, WDT
Package	Tray	Tape & Reel (TR)	Bulk	Tape & Reel (TR)
EEPROM Size	-	-	-	-
Core Processor	ARM® Cortex®-M4	ARM® Cortex®-M4	ARM® Cortex®-M4	ARM® Cortex®-M4
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Oscillator Type	Internal	Internal	Internal	Internal
Data Converters	A/D 16x12b; D/A 2x12b	A/D 16x12b; D/A 2x12b	A/D 3x12b; D/A 1x10b	A/D 16x12b; D/A 2x12b
Program Memory Type	FLASH	FLASH	FLASH	FLASH
RAM Size	128K x 8	128K x 8	32K x 8	128K x 8
Speed	120MHz	120MHz	48MHz	120MHz
Base Product Number	ATSAM4E	ATSAM4E	ATSAM4LC	ATSAM4E

ATSAM4E8CA-AN Datasheet PDF

Download ATSAM4E8CA-AN pdf datasheets and Microchip Technology documentation for ATSAM4E8CA-AN - Microchip Technology.

Datasheets

[SAM4E Series Datasheet.pdf](#)

[SAM4E Series Flyer.pdf](#)

PCN Packaging

Transfer to Microchip/Label/Pkg 5/Sep/2016.pdf

Boxes 07/Dec/2016.pdf

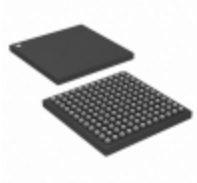



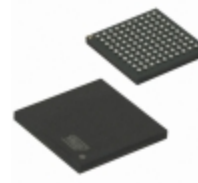
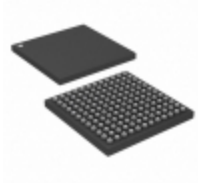

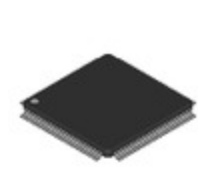
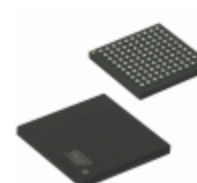

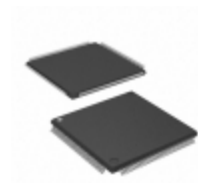

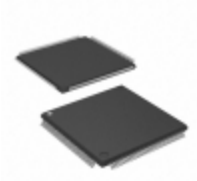
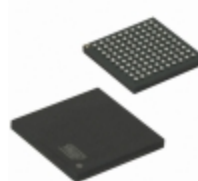


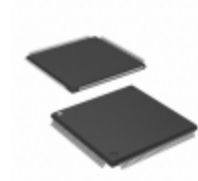

PCN Design/Specification

Marking Chgs 11/Jul/2017.pdf

Errata 06/Jun/2016.pdf

Customers Also Interested in

Recommended Products

					
ATSAM4E16EA-CUR Microchip Technology IC MCU 32BIT 1MB FLASH 144LFBGA	ATSAM4LC2AA-AU Atmel IC MCU 32BIT 128KB FLASH 48TQFP	ATSAM4E8CB-ANR Microchip Technology IC MCU 32BIT 512KB FLASH 100LQFP	ATSAM4E8CA-ANR Microchip Technology IC MCU 32BIT 512KB FLASH 100LQFP	ATSAM4E8CA-CU Microchip Technology IC MCU 32BIT 512KB FLSH 100TFBGA	ATSAM4E8EB-CN Microchip Technology IC MCU 32BIT 512KB FLSH 144LFBGA
					
ATSAM4E16CA-AU Microchip Technology IC MCU 32BIT 1MB FLASH 100LQFP	ATSAM4E8CA-AU Atmel IC MCU 32BIT 512KB FLASH 100LQFP	ATSAM4E8CA-CUR Microchip Technology IC MCU 32BIT 512KB FLASH 100TFBGA	ATSAM4E8CA-AU Microchip Technology IC MCU 32BIT 512KB FLASH 100LQFP	ATSAM4E16EA-AU Microchip Technology IC MCU 32BIT 1MB FLASH 144LQFP	ATSAM4CP16B-AHU-Y Microchip Technology IC MCU 32BIT 1MB FLASH 176LQFP
					
ATSAM4E16EA-AUR Microchip Technology IC MCU 32BIT 1MB FLASH 144LQFP	ATSAM4E16CA-CU Microchip Technology IC MCU 32BIT 1MB FLASH 100TFBGA	ATSAM4E8EA-AU Microchip Technology IC MCU 32BIT 512KB FLASH 144LQFP	ATSAM4E16CA-AUR Microchip Technology IC MCU 32BIT 1MB FLASH 100LQFP	ATSAM4E8EA-AUR Microchip Technology IC MCU 32BIT 512KB FLASH 144LQFP	ATSAM4CP16B-AHU-Y Atmel IC MCU 32BIT 1MB FLASH 176LQFP

Shipment

Delivery Time

In-stock items can be shipped within 24 hours. Some parts will be arranged for delivery within 1-2 days from the date all items arrive at our warehouse. And Allelco ships order once a day at about 17:00, except Sunday. Once the goods are shipped, the estimated delivery time depends on the shipping methods and Delivery destination. The table below shows are the logistic time for some common countries.

Delivery Cost

> Use your express account for shipment if you have one.

> Use our account for the shipment. Refer to the table below for the approximate charges.

(Different time frame / countries / package size has different price.)

Delivery Method

> Global Common Shipment by DHL / UPS / FedEx / TNT / EMS / SF we support.

> Others more shipping ways, please get in touch with your customer manager.

Common Countries Logistic Time Reference		
Region	Country	Logistic Time(Day)
America	United States	5
	Brazil	7
Europe	Germany	5
	United Kingdom	4
	Italy	5
Oceania	Australia	6
	New Zealand	7
Asia	India	6
	Japan	7
Middle East	Israel	6

DHL & FedEx Shipment Charges Reference	
Shipment charges(KG)	Reference DHL(USD\$)
0.00kg-1.00kg	USD\$60.00
1.00kg-2.00kg	USD\$70.00
2.00kg-3.00kg	USD\$80.00

Note: The above table is for reference only. There may have some data bias for the uncontrollable factors.

Contact us if you have any questions.




Payment Support

The payment method can be chosen from the methods shown below:

Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



Your Faithful Supply Chain Partner -

 Efficient Supply Management	 Cost-Saving Procurement	 Fast Sourcing & Delivery
--	--	---

Contact us if you have any questions.

 Phone +00852 9146 4856	 Email info@allelco.com
--	--

Certifications & Memberships



View More