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See specifications for product details.



AT91SAM7S64C-AU

Manufacturer Part Number	AT91SAM7S64C-AU
Manufacturer	Microchip Technology
Allelco Part Number	32D-AT91SAM7S64C-AU
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC MCU 16/32BIT 64KB FLSH 64LQFP
Package	64-LQFP
Data sheet	AT91SAM Datasheet.pdf AT91SAM Summary.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

AT91SAM7S64C-AU - Microchip Technology.New Original in Stock. Download Linear Technology AT91SAM7S64C-AU datasheet/specifications on AllelcoElec.com.
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Specifications

AT91SAM7S64C-AU Tech Specifications
AT91SAM7S64C-AU - Microchip Technology technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Microchip Technology	Oscillator Type	Internal
Voltage - Supply (Vcc/Vdd)	1.65V ~ 1.95V	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package	64-LQFP (10x10)	Number of I/O	32
Speed	55MHz	Mounting Type	Surface Mount
Series	SAM7S	EEPROM Size	-
RAM Size	16K x 8	Data Converters	A/D 8x10b
Program Memory Type	FLASH	Core Size	16/32-Bit
Program Memory Size	64KB (64K x 8)	Core Processor	ARM7®
Peripherals	Brown-out Detect/Reset, DMA, POR, PWM, WDT	Connectivity	I²C, SPI, SSC, UART/USART, USB
Package / Case	64-LQFP	Base Product Number	AT91SAM7S64
Package	Tray		

Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology AT91SAM7S64C-AU

Product Attribute				
Part Number	AT91SAM7S64C-AU	AT91SAM7SE256-AU	AT91SAM7SE256-AU	AT91SAM7S512B-AU-999
Manufacturer	Microchip Technology	Atmel	Microchip Technology	Microchip Technology
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Series	SAM7S	SAM7SE	SAM7SE	SAM7S
Core Processor	ARM7®	ARM7®	ARM7®	ARM7®
Data Converters	A/D 8x10b	A/D 8x10b	A/D 8x10b	A/D 8x10b
Core Size	16/32-Bit	16/32-Bit	16/32-Bit	16/32-Bit
Base Product Number	AT91SAM7S64	AT91SAM7SE256	AT91SAM7SE256	AT91SAM7S512
Supplier Device Package	64-LQFP (10x10)	128-LQFP (20x14)	128-LQFP (20x14)	64-LQFP (10x10)
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Number of I/O	32	88	88	32
Oscillator Type	Internal	Internal	Internal	Internal
Package	Tray	Tray	Tray	Tape & Reel (TR)
RAM Size	16K x 8	32K x 8	32K x 8	64K x 8
Speed	55MHz	55MHz	55MHz	55MHz
EEPROM Size	-	-	-	-
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Connectivity	I²C, SPI, SSC, UART/USART, USB	EBI/EMI, I²C, SPI, SSC, UART/USART, USB	EBI/EMI, I²C, SPI, SSC, UART/USART, USB	I²C, SPI, SSC, UART/USART, USB
Voltage - Supply (Vcc/Vdd)	1.65V ~ 1.95V	1.65V ~ 1.95V	1.65V ~ 1.95V	1.65V ~ 1.95V
Package / Case	64-LQFP	128-LQFP	128-LQFP	64-LQFP
Peripherals	Brown-out Detect/Reset, DMA, POR, PWM, WDT	Brown-out Detect/Reset, POR, PWM, WDT	Brown-out Detect/Reset, POR, PWM, WDT	Brown-out Detect/Reset, DMA, POR, PWM, WDT
Program Memory Size	64KB (64K x 8)	256KB (256K x 8)	256KB (256K x 8)	512KB (512K x 8)

AT91SAM7S64C-AU Datasheet PDF

Download AT91SAM7S64C-AU pdf datasheets and Microchip Technology documentation for AT91SAM7S64C-AU - Microchip Technology.

Datasheets

[AT91SAM Datasheet.pdf](#)

[AT91SAM Summary.pdf](#)

PCN Packaging

[MBB/Label Chgs 16/Nov/2018.pdf](#)

[Transfer to Microchip/Label/Pkg 5/Sep/2016.pdf](#)



Customers Also Interested in

Recommended Products

<p>AT91SAM7S64-AU Atmel (Microchip Technology)</p>	<p>AT91SAM7SE256-AU Atmel IC MCU 16/32B 256KB FLSH 128LQFP</p>	<p>AT91SAM7SE256-AU Microchip Technology IC MCU 16/32B 256KB FLSH 128LQFP</p>	<p>AT91SAM7S512B-AU-999 Microchip Technology IC MCU 16/32B 512KB FLASH 64LQFP</p>	<p>AT91SAM7S64C-MU Microchip Technology IC MCU 16/32BIT 64KB FLASH 64QFN</p>	<p>AT91SAM7S64-AU-001 Microchip Technology IC MCU 16/32BIT 64KB FLSH 64LQFP</p>
<p>AT91SAM7S64AU Atmel (Microchip Technology)</p>	<p>AT91SAM7S64B-AU Atmel (Microchip Technology)</p>	<p>AT91SAM7S64A-AU Atmel (Microchip Technology)</p>	<p>AT91SAM7S64MU Atmel (Microchip Technology)</p>	<p>AT91SAM7SE256B-AUR Microchip Technology IC MCU 16/32B 256KB FLSH 128LQFP</p>	<p>AT91SAM7S512B-AU Atmel IC MCU 16/32B 512KB FLASH 64LQFP</p>
<p>AT91SAM7SE256-CU Microchip Technology IC MCU 16/32B 256KB FLASH 144BGA</p>	<p>AT91SAM7SE256-CU Atmel IC MCU 16/32B 256KB FLASH 144BGA</p>	<p>AT91SAM7SE256B-CU Microchip Technology IC MCU 16/32BIT 256KB 144LFBGA</p>	<p>AT91SAM7S512B-AU Microchip Technology IC MCU 16/32B 512KB FLASH 64LQFP</p>	<p>AT91SAM7SE256B-AU Microchip Technology IC MCU 16/32B 256KB FLSH 128LQFP</p>	<p>AT91SAM7SE32-AU Microchip Technology IC MCU 16/32B 32KB FLASH 128LQFP</p>

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 Alleco 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
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Contact us if you have any questions.

Phone +00852 9146 4856	Email info@alleco.com
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Certifications & Memberships



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