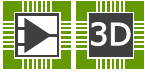





AT91SAM7X512B-AUR

Manufacturer Part Number	AT91SAM7X512B-AUR
Manufacturer	Microchip Technology
Allelco Part Number	32D-AT91SAM7X512B-AUR
ECAD Model	 PCB Symbol, Footprint & 3D Mode
Parts Description	IC MCU 16/32B 512KB FLSH 100LQFP
Package	100-LQFP
Data sheet	SAM7X512,256,128.pdf
RoHs Status	 ROHS3 Compliant



Get a Quote

AT91SAM7X512B-AUR - Microchip Technology. New Original in Stock. Download Linear Technology AT91SAM7X512B-AUR datasheet/specifications on AllelcoElec.com.
Request a quote for AT91SAM7X512B-AUR, please send us email: info@allelco.com


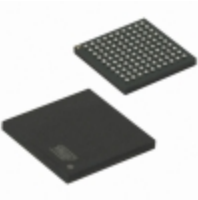


Specifications

AT91SAM7X512B-AUR Tech Specifications
AT91SAM7X512B-AUR - 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	100-LQFP (14x14)	Number of I/O	62
Speed	55MHz	Mounting Type	Surface Mount
Series	SAM7X	EEPROM Size	-
RAM Size	128K x 8	Data Converters	A/D 8x10b
Program Memory Type	FLASH	Core Size	16/32-Bit
Program Memory Size	512KB (512K x 8)	Core Processor	ARM7®
Peripherals	Brown-out Detect/Reset, DMA, POR, PWM, WDT	Connectivity	CANbus, Ethernet, I²C, SPI, SSC, UART/USART, USB
Package / Case	100-LQFP	Base Product Number	AT91SAM7X512
Package	Tape & Reel (TR)		

Parts with Similar Specifications



The three parts on the right have similar specifications to Microchip Technology AT91SAM7X512B-AUR

Product Attribute	 NO PICTURE			
Part Number	AT91SAM7X512B-AUR	AT91SAM7X256C-CU	AT91SAM7XC256-AU	AT91SAM7X512-AU
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Series	SAM7X	SAM7X	SAM7XC	SAM7X
Connectivity	CANbus, Ethernet, I²C, SPI, SSC, UART/USART, USB	CANbus, Ethernet, I²C, SPI, SSC, UART/USART, USB	CANbus, Ethernet, I²C, SPI, SSC, UART/USART, USB	CANbus, Ethernet, I²C, SPI, SSC, UART/USART, USB
Core Size	16/32-Bit	16/32-Bit	16/32-Bit	16/32-Bit
Number of I/O	62	62	62	62
RAM Size	128K x 8	64K x 8	64K x 8	128K x 8
Supplier Device Package	100-LQFP (14x14)	100-TFBGA (9x9)	100-LQFP (14x14)	100-LQFP (14x14)
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Data Converters	A/D 8x10b	A/D 8x10b	A/D 8x10b	A/D 8x10b
Package	Tape & Reel (TR)	Tray	Tray	Tray
Program Memory Size	512KB (512K x 8)	256KB (256K x 8)	256KB (256K x 8)	512KB (512K x 8)
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Core Processor	ARM7®	ARM7®	ARM7®	ARM7®
Oscillator Type	Internal	Internal	Internal	Internal
Voltage - Supply (Vcc/Vdd)	1.65V ~ 1.95V	1.65V ~ 1.95V	1.65V ~ 1.95V	1.65V ~ 1.95V
EEPROM Size	-	-	-	-
Speed	55MHz	55MHz	55MHz	55MHz
Package / Case	100-LQFP	100-TFBGA	100-LQFP	100-LQFP
Base Product Number	AT91SAM7X512	AT91SAM7X256	AT91SAM7XC256	AT91SAM7X512
Peripherals	Brown-out Detect/Reset, DMA, POR, PWM, WDT	Brown-out Detect/Reset, DMA, POR, PWM, WDT	Brown-out Detect/Reset, DMA, POR, PWM, WDT	Brown-out Detect/Reset, DMA, POR, PWM, WDT
Program Memory Type	FLASH	FLASH	FLASH	FLASH



AT91SAM7X512B-AUR Datasheet PDF

Download AT91SAM7X512B-AUR pdf datasheets and Microchip Technology documentation for AT91SAM7X512B-AUR - Microchip Technology.


PCN Design/Specification

 Marking Chgs 11/Jul/2017.pdf	 Copper Bonding Wire 24/Apr/2015.pdf
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PCN Packaging

 Tape and Reel Label Update 10/Feb/2015.pdf	 Packing Material Change 24/Oct/2022.pdf
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PCN Assembly/Origin

 2.73KHz.pdf

HTML Datasheet

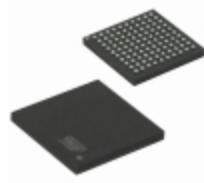



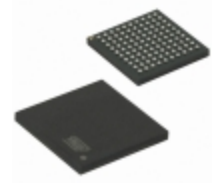





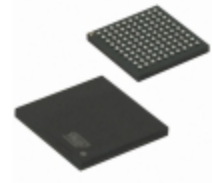
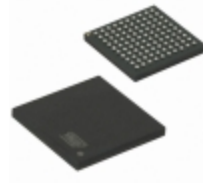






 SAM7X512,256,128.pdf

PCN Obsolescence/ EOL

 Cylindrical Battery Holders.pdf

Customers Also Interested in

Recommended Products

					
AT91SAM7X256C-CU Microchip Technology IC MCU 16/32BIT 256KB 100TFBGA	AT91SAM7XC256-AU Microchip Technology IC MCU 16/32B 256KB FLSH 100LQFP	AT91SAM9260 Atmel (Microchip Technology)	AT91SAM7X512-AU Microchip Technology IC MCU 16/32B 512KB FLSH 100LQFP	AT91SAM7X512B-CU Microchip Technology IC MCU 16/32BIT 512KB 100TFBGA	AT91SAM7XC128-AU Microchip Technology IC MCU 16/32B 128KB FLSH 100LQFP
					
AT91SAM7X256C-AU Microchip Technology IC MCU 16/32B 256KB FLSH 100LQFP	AT91SAM9260-CJ Atmel (Microchip Technology)	AT91SAM7X256C-AUR Microchip Technology IC MCU 16/32B 256KB FLSH 100LQFP	AT91SAM7X256B-AU Microchip Technology IC MCU 16/32B 256KB FLSH 100LQFP	AT91SAM7XC512-CU Microchip Technology IC MCU 16/32BIT 512KB 100TFBGA	AT91SAM7XC512B-CU Microchip Technology IC MCU 16/32BIT 512KB 100TFBGA
					
AT91SAM7X256A-AU Atmel (Microchip Technology)	AT91SAM7XC512-AU Altera (Intel)	AT91SAM7XC256B-AU Microchip Technology IC MCU 16/32B 256KB FLSH 100LQFP	AT91SAM7X512-A Atmel (Microchip Technology)	AT91SAM7X512B-AU Microchip Technology IC MCU 16/32B 512KB FLSH 100LQFP	AT91SAM7XC512-CU Atmel IC MCU 16/32BIT 512KB 100TFBGA

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

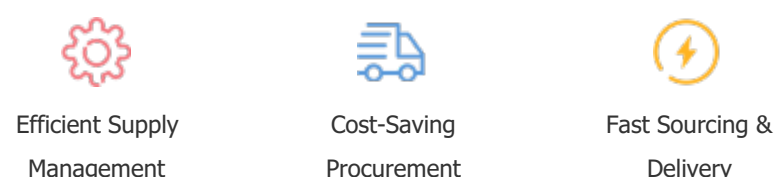
Note: The above table is for reference only. There may have some data bias for the uncontrollable factors. Contact us if you have any questions.

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 -



Contact us if you have any questions.



Certifications & Memberships



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