



Image may be representation.
See specifications for product details.



ATSAML21J17B-AUT

Manufacturer Part Number	ATSAML21J17B-AUT
Manufacturer	Microchip Technology
Allelco Part Number	32D-ATSAML21J17B-AUT
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC MCU 32BIT 128KB FLASH 64TQFP
Package	64-TQFP
Data sheet	SAML21 Datasheet Summary.pdf SAM L21 Family Datasheet.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

ATSAML21J17B-AUT - Microchip Technology. New Original in Stock. Download Linear Technology ATSAML21J17B-AUT datasheet/specifications on AllelcoElec.com. Request a quote for ATSAML21J17B-AUT, please send us email: info@allelco.com

Specifications

ATSAML21J17B-AUT Tech Specifications
ATSAML21J17B-AUT - 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 ~ 3.63V	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package	64-TQFP (10x10)	Number of I/O	51
Speed	48MHz	Mounting Type	Surface Mount
Series	SAM L21J, Functional Safety (FuSa)	EEPROM Size	-
RAM Size	16K x 8	Data Converters	A/D 20x12b; D/A 2x12b
Program Memory Type	FLASH	Core Size	32-Bit Single-Core
Program Memory Size	128KB (128K x 8)	Core Processor	ARM® Cortex®-M0+
Peripherals	DMA, POR, PWM, WDT	Connectivity	I ² C, LINbus, SCI, SPI, UART/USART, USB
Package / Case	64-TQFP	Base Product Number	ATSAML21
Package	Tape & Reel (TR)		

Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology ATSAML21J17B-AUT

Product Attribute				
Part Number	ATSAML21J17B-AUT	ATSAML21E15B-MUT	ATSAML21E18B-MUT	ATSAML22G16A-AUT
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Voltage - Supply (Vcc/Vdd)	1.62V ~ 3.63V	1.62V ~ 3.63V	1.62V ~ 3.63V	1.62V ~ 3.63V
Peripherals	DMA, POR, PWM, WDT	DMA, POR, PWM, WDT	DMA, POR, PWM, WDT	Brown-out Detect/Reset, DMA, LCD, POR, PWM, WDT
Package / Case	64-TQFP	32-VFQFN Exposed Pad	32-VFQFN Exposed Pad	48-TQFP
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Data Converters	A/D 20x12b; D/A 2x12b	A/D 10x12b; D/A 2x12b	A/D 10x12b; D/A 2x12b	A/D 10x12b
Series	SAM L21J, Functional Safety (FuSa)	SAM L21E	SAM L21E, Functional Safety (FuSa)	SAM L22G
Core Size	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core
RAM Size	16K x 8	4K x 8	32K x 8	8K x 8
Base Product Number	ATSAML21	ATSAML21	ATSAML21	ATSAML22
Speed	48MHz	48MHz	48MHz	32MHz
Number of I/O	51	25	25	36
EEPROM Size	-	-	-	-
Connectivity	I ² C, LINbus, SCI, SPI, UART/USART, USB	I ² C, LINbus, SCI, SPI, UART/USART, USB	I ² C, LINbus, SCI, SPI, UART/USART, USB	I ² C, SPI, UART/USART, USB
Oscillator Type	Internal	Internal	Internal	Internal
Core Processor	ARM® Cortex®-M0+	ARM® Cortex®-M0+	ARM® Cortex®-M0+	ARM® Cortex®-M0+
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Program Memory Size	128KB (128K x 8)	32KB (32K x 8)	256KB (256K x 8)	64KB (64K x 8)
Supplier Device Package	64-TQFP (10x10)	32-VQFN (5x5)	32-VQFN (5x5)	48-TQFP (7x7)
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)

ATSAML21J17B-AUT Datasheet PDF

Download ATSAML21J17B-AUT pdf datasheets and Microchip Technology documentation for ATSAML21J17B-AUT - Microchip Technology.

Datasheets

[SAML21 Datasheet Summary.pdf](#)

[SAM L21 Family Datasheet.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



SAM L21 13/Feb/2020.pdf

Errata



SAM L21 Family Errata~.pdf

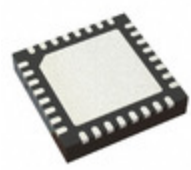
PCN Assembly/Origin



ATSAMC2YYY 11/Oct/2017.pdf

Customers Also Interested in

Recommended Products



ATSAML21E15B-MUT

Microchip Technology
IC MCU 32BIT 32KB FLASH 32QFN



ATSAML21E18B-MUT

Microchip Technology
IC MCU 32BIT 256KB FLASH 32QFN



ATSAML22G16A-AUT

Microchip Technology
IC MCU 32BIT 64KB FLASH 48TQFP



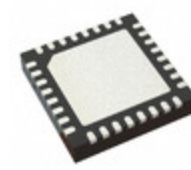
ATSAML21J18B-UUT

Microchip Technology
IC MCU 32BIT 256KB FLASH 64WLCSP



ATSAML21J18B-AUT

Atmel
IC MCU 32BIT 256KB FLASH 64TQFP



ATSAML11E15A-MF

Microchip Technology
IC MCU 32BIT 32KB FLASH 32VQFN



ATSAML22-XPRO

Microchip Technology
SAM L22 XPLAINED PRO ATSAML22



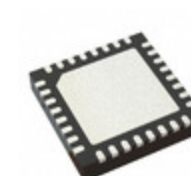
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Microchip Technology
IC MCU 32BIT 32KB FLASH 32TQFP



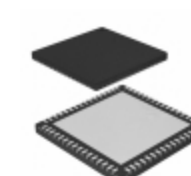
ATSAML21E16B-AUT

Microchip Technology
IC MCU 32BIT 64KB FLASH 32TQFP



ATSAML11E14A-MUT

Microchip Technology
IC MCU 32BIT 16KB FLASH 32VQFN



ATSAML21J18B-MUT

Microchip Technology
IC MCU 32BIT 256KB FLASH 64QFN



ATSAML22G17A-AUT

Microchip Technology
IC MCU 32BIT 128KB FLASH 48TQFP



ATSAML21J18A-AU

Atmel (Microchip Technology)



ATSAML21E18B-AUT

Microchip Technology
IC MCU 32BIT 256KB FLASH 32TQFP



ATSAML21J18B-ANT

Microchip Technology
IC MCU 32BIT 256KB FLASH 64TQFP



ATSAML21J18B-AUT

Microchip Technology
IC MCU 32BIT 256KB FLASH 64TQFP



ATSAML21E17B-MUT

Microchip Technology
IC MCU 32BIT 128KB FLASH 32QFN



ATSAML21E16B-MUT

Microchip Technology
IC MCU 32BIT 64KB FLASH 32QFN

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

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Email

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Certifications & Memberships



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