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See specifications for product details.



ATSAMD21E17A-MU

Manufacturer Part Number	ATSAMD21E17A-MU
Manufacturer	Microchip Technology
Allelco Part Number	32D-ATSAMD21E17A-MU
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IC MCU 32BIT 128KB FLASH 32QFN
Package	32-VFQFN Exposed Pad
Data sheet	SAM D21/DA1 Family Datasheet.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

ATSAMD21E17A-MU - Microchip Technology. New Original in Stock. Download Linear Technology ATSAMD21E17A-MU datasheet/specifications on AllelcoElec.com. Request a quote for ATSAMD21E17A-MU, please send us email: info@allelco.com

Specifications

ATSAMD21E17A-MU Tech Specifications
ATSAMD21E17A-MU - 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 ~ 85°C (TA)
Supplier Device Package	32-VQFN (5x5)	Number of I/O	26
Speed	48MHz	Mounting Type	Surface Mount
Series	SAM D21E, Functional Safety (FuSa)	EEPROM Size	-
RAM Size	16K x 8	Data Converters	A/D 10x12b; D/A 1x10b
Program Memory Type	FLASH	Core Size	32-Bit Single-Core
Program Memory Size	128KB (128K x 8)	Core Processor	ARM® Cortex®-M0+
Peripherals	Brown-out Detect/Reset, DMA, I²S, POR, PWM, WDT	Connectivity	I²C, LINbus, SPI, UART/USART, USB
Package / Case	32-VFQFN Exposed Pad	Base Product Number	ATSAMD21
Package	Tray		

Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology ATSAMD21E17A-MU

Product Attribute				
Part Number	ATSAMD21E17A-MU	ATSAMD21E17A-MFT	ATSAMD21E16B-MU	ATSAMD21E18A-AU
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Connectivity	I²C, LINbus, SPI, UART/USART, USB	I²C, LINbus, SPI, UART/USART, USB	I²C, LINbus, SPI, UART/USART, USB	I²C, LINbus, SPI, UART/USART, USB
Data Converters	A/D 10x12b; D/A 1x10b	A/D 10x12b; D/A 1x10b	A/D 10x12b; D/A 1x10b	A/D 10x12b; D/A 1x10b
Number of I/O	26	26	26	26
Program Memory Type	FLASH	FLASH	FLASH	FLASH
RAM Size	16K x 8	16K x 8	8K x 8	32K x 8
Package / Case	32-VFQFN Exposed Pad	32-VFQFN Exposed Pad	32-VFQFN Exposed Pad	32-TQFP
Series	SAM D21E, Functional Safety (FuSa)	Automotive, AEC-Q100, SAM D21E, Functional Safety (FuSa)	SAM D21E, Functional Safety (FuSa)	SAM D21E, Functional Safety (FuSa)
Peripherals	Brown-out Detect/Reset, DMA, I²S, POR, PWM, WDT	Brown-out Detect/Reset, DMA, I²S, POR, PWM, WDT	Brown-out Detect/Reset, DMA, I²S, POR, PWM, WDT	Brown-out Detect/Reset, DMA, I²S, POR, PWM, WDT
Core Size	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core
EEPROM Size	-	-	-	-
Package	Tray	Tape & Reel (TR)	Tray	Tray
Oscillator Type	Internal	Internal	Internal	Internal
Program Memory Size	128KB (128K x 8)	128KB (128K x 8)	64KB (64K x 8)	256KB (256K x 8)
Voltage - Supply (Vcc/Vdd)	1.62V ~ 3.6V	1.62V ~ 3.6V	1.62V ~ 3.6V	1.62V ~ 3.6V
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 125°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Base Product Number	ATSAMD21	ATSAMD21	ATSAMD21	ATSAMD21
Supplier Device Package	32-VQFN (5x5)	32-VQFN (5x5)	32-VQFN (5x5)	32-TQFP (7x7)
Core Processor	ARM® Cortex®-M0+	ARM® Cortex®-M0+	ARM® Cortex®-M0+	ARM® Cortex®-M0+
Speed	48MHz	48MHz	48MHz	48MHz

ATSAMD21E17A-MU Datasheet PDF

Download ATSAMD21E17A-MU pdf datasheets and Microchip Technology documentation for ATSAMD21E17A-MU - Microchip Technology.

Datasheets

SAM D21/DA1 Family Datasheet.pdf

PCN Packaging

MBB/Label Chgs 16/Nov/2018.pdf

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

PCN Design/Specification

SAM D21/DA1 05/Apr/2021.pdf

SAM D21/DA1 10/Sep/2021.pdf

PCN Assembly/Origin

2.73KHz.pdf

Customers Also Interested in

Recommended Products



ATSAMD21E17A-MFT
Microchip Technology
IC MCU 32BIT 128KB FLASH 32QFN



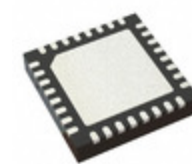
ATSAMD21E16B-MU
Microchip Technology
IC MCU 32BIT 64KB FLASH 32QFN



ATSAMD21E18A-AU
Microchip Technology
IC MCU 32BIT 256KB FLASH 32TQFP



ATSAMD21E16C-UUTB4
Microchip Technology
IC MCU 32BIT 64KB FLASH 35WLCSP



ATSAMD21E17L-MF
Microchip Technology
IC MCU 32BIT 128KB FLASH 32QFN



ATSAMD21E16B-UUTB4
Microchip Technology
IC MCU 32BIT 64KB FLASH 35WLCSP



ATSAMD21E16C-UUT
Microchip Technology
IC MCU 32BIT 64KB FLASH 35WLCSP



ATSAMD21E16B-UUT
Microchip Technology
IC MCU 32BIT 64KB FLASH 35WLCSP



ATSAMD21E17A-AUT
Microchip Technology
IC MCU 32BIT 128KB FLASH 32TQFP



ATSAMD21E17A-MUT
Microchip Technology
IC MCU 32BIT 128KB FLASH 32QFN



ATSAMD21E17D-AU
Microchip Technology
IC MCU 32BIT 128KB FLASH 32TQFP



ATSAMD21E18A-AF
Microchip Technology
IC MCU 32BIT 256KB FLASH 32TQFP



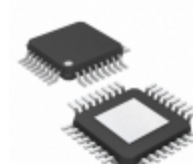
ATSAMD21E16L-AFT
Microchip Technology
IC MCU 32BIT 64KB FLASH 32TQFP



ATSAMD21E18A-AF
Atmel
IC MCU 32BIT 256KB FLASH 32TQFP



ATSAMD21E16L-MNT
Microchip Technology
IC MCU 32BIT 64KB FLASH 32QFN



ATSAMD21E18A-AFT
Microchip Technology
IC MCU 32BIT 256KB FLASH 32TQFP



ATSAMD21E16B-MUT
Microchip Technology
IC MCU 32BIT 64KB FLASH 32QFN



ATSAMD21E18A-AU
Atmel
IC MCU 32BIT 256KB FLASH 32TQFP

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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