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See specifications for product details.



ATSAMD21E16C-UUT

Manufacturer Part Number	ATSAMD21E16C-UUT
Manufacturer	Microchip Technology
Allelco Part Number	32D-ATSAMD21E16C-UUT
ECAD Model	Request Free CAD Models
Parts Description	IC MCU 32BIT 64KB FLASH 35WLCSP
Package	35-XFBGA, WLCSP
Data sheet	SAM D21/DA1 Family Datasheet.pdf

Get a Quote

ATSAMD21E16C-UUT - Microchip Technology. New Original in Stock. Download Linear Technology ATSAMD21E16C-UUT datasheet/specifications on AllelcoElec.com.
Request a quote for ATSAMD21E16C-UUT, please send us email: info@allelco.com

Specifications

ATSAMD21E16C-UUT Tech Specifications
ATSAMD21E16C-UUT - 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	35-WLCSP (2.82x2.53)	Number of I/O	26
Speed	48MHz	Mounting Type	Surface Mount
Series	SAM D21E, Functional Safety (FuSa)	EEPROM Size	-
RAM Size	8K x 8	Data Converters	A/D 10x12b; D/A 1x10b
Program Memory Type	FLASH	Core Size	32-Bit Single-Core
Program Memory Size	64KB (64K 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	35-XFBGA, WLCSP	Base Product Number	ATSAMD21
Package	Tape & Reel (TR)		

Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology ATSAMD21E16C-UUT

Product Attribute				
Part Number	ATSAMD21E16C-UUT	ATSAMD21E16B-MU	ATSAMD21E16L-AFT	ATSAMD21E16B-MUT
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Oscillator Type	Internal	Internal	Internal	Internal
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Base Product Number	ATSAMD21	ATSAMD21	ATSAMD21	ATSAMD21
Core Processor	ARM® Cortex®-M0+	ARM® Cortex®-M0+	ARM® Cortex®-M0+	ARM® Cortex®-M0+
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 125°C (TA)	-40°C ~ 85°C (TA)
Number of I/O	26	26	26	26
Supplier Device Package	35-WLCSP (2.82x2.53)	32-VQFN (5x5)	32-TQFP (7x7)	32-VQFN (5x5)
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Voltage - Supply (Vcc/Vdd)	1.62V ~ 3.63V	1.62V ~ 3.6V	1.62V ~ 3.6V	1.62V ~ 3.6V
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
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
RAM Size	8K x 8	8K x 8	8K x 8	8K x 8
Series	SAM D21E, Functional Safety (FuSa)	SAM D21E, Functional Safety (FuSa)	Automotive, AEC-Q100, SAM D21E, Functional Safety (FuSa)	SAM D21E, Functional Safety (FuSa)
Core Size	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core
Package	Tape & Reel (TR)	Tray	Tape & Reel (TR)	Tape & Reel (TR)
Program Memory Size	64KB (64K x 8)	64KB (64K x 8)	64KB (64K x 8)	64KB (64K x 8)
EEPROM Size	-	-	-	-
Package / Case	35-XFBGA, WLCSP	32-VFQFN Exposed Pad	32-TQFP	32-VFQFN Exposed Pad
Connectivity	I²C, LINbus, SPI, UART/USART, USB	I²C, LINbus, SPI, UART/USART, USB	I²C, LINbus, SPI, UART/USART	I²C, LINbus, SPI, UART/USART, USB
Speed	48MHz	48MHz	48MHz	48MHz

ATSAMD21E16C-UUT Datasheet PDF

Download ATSAMD21E16C-UUT pdf datasheets and Microchip Technology documentation for ATSAMD21E16C-UUT - Microchip Technology.

Datasheets






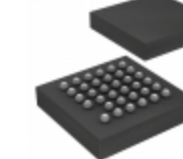

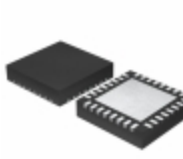









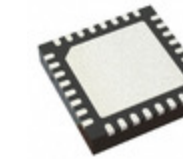
SAM D21/DA1 Family Datasheet.pdf

PCN Design/Specification

PCN Assembly/Origin

Customers Also Interested in

Recommended Products

					
ATSAAMD21E16B-MU Microchip Technology IC MCU 32BIT 64KB FLASH 32QFN	ATSAAMD21E16L-AFT Microchip Technology IC MCU 32BIT 64KB FLASH 32TQFP	ATSAAMD21E16B-MUT Microchip Technology IC MCU 32BIT 64KB FLASH 32QFN	ATSAAMD21E17A-MUT Microchip Technology IC MCU 32BIT 128KB FLASH 32QFN	ATSAAMD21E16B-AU Microchip Technology IC MCU 32BIT 64KB FLASH 32TQFP	ATSAAMD21E16B-UUT Microchip Technology IC MCU 32BIT 64KB FLASH 35WLCSP
					
ATSAAMD21E16B-UUTB4 Microchip Technology IC MCU 32BIT 64KB FLASH 35WLCSP	ATSAAMD21E16A-MUT Micrel / Microchip Technology IC MCU 32BIT 64KB FLASH 32QFN	ATSAAMD21E16C-UUTB4 Microchip Technology IC MCU 32BIT 64KB FLASH 35WLCSP	ATSAAMD21E17A-AUT Microchip Technology IC MCU 32BIT 128KB FLASH 32TQFP	ATSAAMD21E16B-AUT Microchip Technology IC MCU 32BIT 64KB FLASH 32TQFP	ATSAAMD21E16A-MU Microchip Technology IC MCU 32BIT 64KB FLASH 32QFN
					
ATSAAMD21E16L-MNT Microchip Technology IC MCU 32BIT 64KB FLASH 32QFN	ATSAAMD21E17A-MU Microchip Technology IC MCU 32BIT 128KB FLASH 32QFN	ATSAAMD21E17A-MFT Microchip Technology IC MCU 32BIT 128KB FLASH 32QFN	ATSAAMD21E17D-AU Microchip Technology IC MCU 32BIT 128KB FLASH 32TQFP	ATSAAMD21E17D-MUT Microchip Technology IC MCU 32BIT 128KB FLASH 32QFN	ATSAAMD21E16B-MF 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
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Contact us if you have any questions.

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Certifications & Memberships



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