

ATSAMD21E17A-AUT



Part Number: [ATSAMD21E17A-AUT](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC MCU 32BIT 128KB FLASH 32TQFP

Data sheet:  [SAM D21E,G,J Summary](#)
 [SAM D21E,G,J Complete](#)

RoHs Status: Lead free / RoHS Compliant

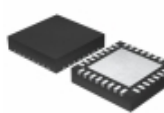
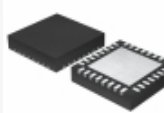
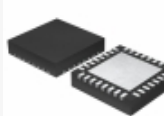
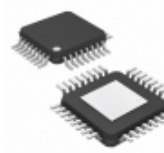
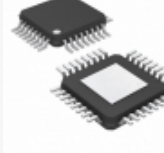
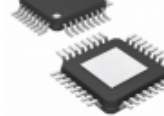
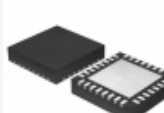
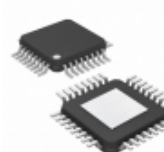
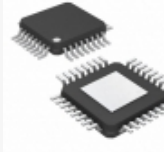
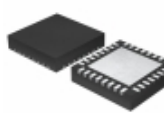
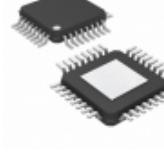
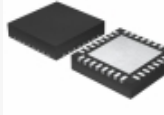
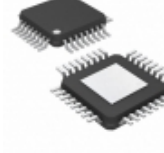
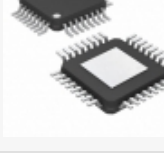
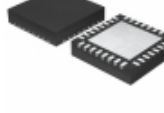
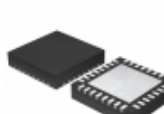
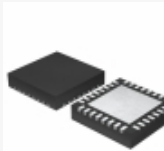
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PRODUCT PARAMETER			
Part Number	ATSAMD21E17A-AUT	Manufacturer	Micrel / Microchip Technology
Description	IC MCU 32BIT 128KB FLASH 32TQFP	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	55285 pcs	Data sheet	SAM D21E,G,J Summary SAM D21E,G,J Complete
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	1.62 V ~ 3.6 V
Supplier Device Package	32-TQFP (7x7)	Speed	48MHz
Series	SAM D21E	RAM Size	16K x 8
Program Memory Type	FLASH	Program Memory Size	128KB (128K x 8)
Peripherals	Brown-out Detect/Reset, DMA, I ² S, POR, PWM, WDT	Packaging	Tape & Reel (TR)
Package / Case	32-TQFP	Other Names	ATSAMD21E17A-AUTTR
Oscillator Type	Internal	Operating Temperature	-40°C ~ 85°C (TA)
Number of I/O	26	Moisture Sensitivity Level (MSL)	3 (168 Hours)
Manufacturer Standard Lead Time	11 Weeks	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
EEPROM Size	-	Detailed Description	ARM® Cortex®-M0+ SAM D21E Microcontroller IC 32-Bit 48MHz 128KB (128K x 8) FLASH 32-TQFP (7x7)
Data Converters	A/D 10x12b, D/A 1x10b	Core Size	32-Bit
Core Processor	ARM® Cortex®-M0+	Connectivity	I ² C, LINbus, SPI, UART/USART, USB
Base Part Number	ATSAMD21E17		
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	Part#: ATSAMD21E17A-MUT Description: IC MCU 32BIT 128KB FLASH 32QFN	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATSAMD21E18A-AF Description: IC MCU 32BIT 256KB FLASH 32TQFP	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATSAMD21E17A-MU Description: IC MCU 32BIT 128KB FLASH 32QFN	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATSAMD21E17A-AF Description: IC MCU 32BIT 128KB FLASH 32TQFP	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATSAMD21E16L-AF Description: IC MCU 32BIT 64KB FLASH 32TQFP	Manufacturers: Micrel / Microchip Technology	RFQ
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	Part#: ATSAMD21E16L-MFT Description: IC MCU 32BIT 64KB FLASH 32QFN	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATSAMD21E17A-AFT Description: IC MCU 32BIT 128KB FLASH 32TQFP	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATSAMD21E18A-AU Description: IC MCU 32BIT 256KB FLASH 32TQFP	Manufacturers: Micrel / Microchip Technology	RFQ
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	Part#: ATSAMD21E16L-AFT Description: IC MCU 32BIT 64KB FLASH 32TQFP	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATSAMD21E16L-MF Description: IC MCU 32BIT 64KB FLASH 32QFN	Manufacturers: Micrel / Microchip Technology	RFQ
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	Part#: ATSAMD21E18A-MFT Description: IC MCU 32BIT 256KB FLASH 32QFN	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATSAMD21E16LMOTOR Description: SAMD21E16L BLDC MOTOR CTRL BOARD	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATSAMD21E18A-MF Description: IC MCU 32BIT 256KB FLASH 32QFN	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATSAMD21E16L-MNT Description: IC MCU 32BIT 64KB FLASH 32QFN	Manufacturers: Micrel / Microchip Technology	RFQ

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