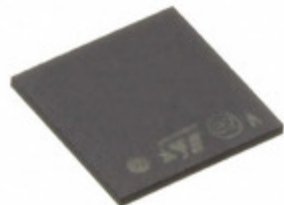


ATSAME70Q21B-CFN





Part Number: [ATSAME70Q21B-CFN](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC MCU 32BIT 2MB FLASH 144UFBGA

Data sheet:  [SAM E/S/V70,V71 Family Errata](#)
 [SAM E/S/V70,V71 Family Datasheet](#)

RoHs Status: Lead free / RoHS Compliant

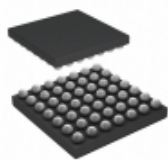
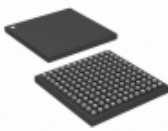
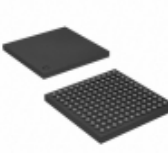
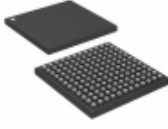
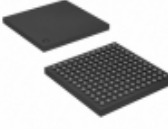
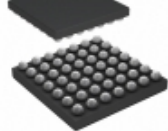
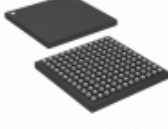
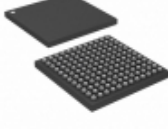
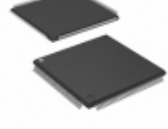
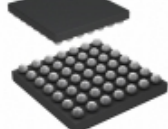
Ship From: Hong Kong

Shipment Way: DHL/Fedex/TNT/UPS/EMS

Images are for reference only.
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PRODUCT PARAMETER			
Part Number	ATSAME70Q21B-CFN	Manufacturer	Micrel / Microchip Technology
Description	IC MCU 32BIT 2MB FLASH 144UFBGA	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	8108 pcs	Data sheet	SAM E/S/V70,V71 Family Errata SAM E/S/V70,V71 Family Datasheet
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	Datasheet 1.62 V ~ 3.6 V
Supplier Device Package	144-UFBGA (6x6)	Speed	300MHz
Series	SAM E70	RAM Size	384K x 8
Program Memory Type	FLASH	Program Memory Size	2MB (2M x 8)
Peripherals	Brown-out Detect/Reset, DMA, I ² S, POR, PWM, WDT	Packaging	Tray
Package / Case	144-UFBGA	Oscillator Type	Internal
Operating Temperature	-40°C ~ 105°C (TA)	Number of I/O	114
Moisture Sensitivity Level (MSL)	3 (168 Hours)	Manufacturer Standard Lead Time	6 Weeks
Lead Free Status / RoHS Status	Lead free / RoHS Compliant	EEPROM Size	-
Detailed Description	ARM® Cortex®-M7 SAM E70 Microcontroller IC 32-Bit 300MHz 2MB (2M x 8) FLASH 144-UFBGA (6x6)	Data Converters	A/D 24x12b, D/A 2x12b
Core Size	32-Bit	Core Processor	ARM® Cortex®-M7
Connectivity	CANbus, EBI/EMI, Ethernet, I ² C, IrDA, LINbus, MMC/SD/SDIO, SPI, UART/USART, USB		
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	Part#: ATSAME70Q21B-CFNT Description: IC MCU 32BIT 2MB FLASH 144UFBGA	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATSAME70Q21B-ANT Description: IC MCU 32BIT 2MB FLASH 144LQFP	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATSAMG53-XPRO Description: SAMG53 XPLAINED PRO EVAL KIT	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATSAMG53N19B-AU Description: IC MCU 32BIT 512KB FLASH 100LQFP	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATSAME70Q21B-CNT Description: IC MCU 32BIT 2MB FLASH 144LFBGA	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATSAMG53N19A-AU Description: IC MCU 32BIT 512KB FLASH 100LQFP	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATSAME70Q21A-CFNT Description: IC MCU 32BIT 2MB FLASH 144UFBGA	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATSAME70Q21A-CNT Description: IC MCU 32BIT 2MB FLASH 144LFBGA	Manufacturers: Micrel / Microchip Technology	RFQ
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	Part#: ATSAME70Q21A-CN Description: IC MCU 32BIT 2MB FLASH 144LFBGA	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATSAMG53G19A-UUT Description: IC MCU 32BIT 512KB FLASH 49WLCSP	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATSAME70Q20B-CNT Description: IC MCU 32BIT 1MB FLASH 144LFBGA	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATSAME70Q20B-CN Description: IC MCU 32BIT 1MB FLASH 144LFBGA	Manufacturers: Micrel / Microchip Technology	RFQ
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	Part#: ATSAME70Q21A-AN Description: IC MCU 32BIT 2MB FLASH 144LQFP	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATSAME70Q21B-AN Description: IC MCU 32BIT 2MB FLASH 144LQFP	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATSAMG51N18A-AU Description: IC MCU 32BIT 256KB FLASH 100LQFP	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATSAMG51G18A-UUT Description: IC MCU 32Bit 256KB FLASH 49WLCSP	Manufacturers: Micrel / Microchip Technology	RFQ

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