

ATSAMS70Q21B-CNT



Part Number: [ATSAMS70Q21B-CNT](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC MCU 32BIT 2MB FLASH 144LFBGA

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

RoHs Status: Lead free / RoHS Compliant

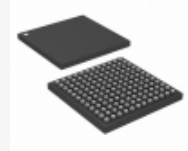
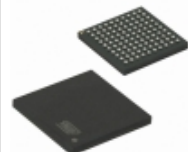
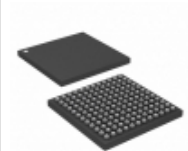
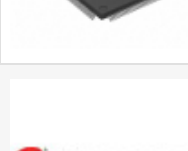
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PRODUCT PARAMETER			
Part Number	ATSAMS70Q21B-CNT	Manufacturer	Micrel / Microchip Technology
Description	IC MCU 32BIT 2MB FLASH 144LFBGA	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	7593 pcs	Data sheet	SAM E/S/V70,V71 Family Errata SAM E/S/V70,V71 Family Datasheet
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	1.08 V ~ 3.6 V
Supplier Device Package	144-LFBGA (10x10)	Speed	300MHz
Series	SAM S70	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	Tape & Reel (TR)
Package / Case	144-LFBGA	Other Names	ATSAMS70Q21B-CNTTR
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 S70 Microcontroller IC 32-Bit 300MHz 2MB (2M x 8) FLASH 144-LFBGA (10x10)
Data Converters	A/D 24x12b, D/A 2x12b	Core Size	32-Bit
Core Processor	ARM® Cortex®-M7	Connectivity	EBI/EMI, I ² C, IrDA, LINbus, MMC/SD/SDIO, SPI, UART/USART, USB
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RELATED PRODUCTS			
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	Part#: ATSAMV70N20B-CBT Description: FLASH, 384KB SRAM	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATSAMV70N19B-AAB Description: FLASH, 256KB SRAM	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATSAMS70Q21B-CFNT Description: IC MCU 32BIT 2MB FLASH 144FBGA	Manufacturers: Micrel / Microchip Technology	RFQ
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	Part#: ATSAMS70Q21B-AN Description: IC MCU 32BIT 2MB FLASH 144LQFP	Manufacturers: Micrel / Microchip Technology	RFQ
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