

ATSAMS70Q21B-CFN



Part Number: [ATSAMS70Q21B-CFN](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC MCU 32BIT 2MB FLASH 144FBGA

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

RoHs Status:

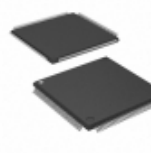
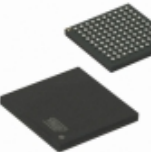
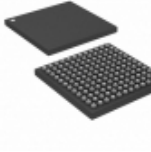
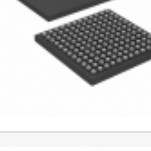
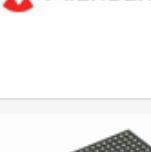
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PRODUCT PARAMETER			
Part Number	ATSAMS70Q21B-CFN	Manufacturer	Micrel / Microchip Technology
Description	IC MCU 32BIT 2MB FLASH 144FBGA	Lead Free Status / RoHS Status	
Quantity Available	7986 pcs	Data sheet	SAM E/S/V70,V71 Family Datasheet
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	1.62 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	Package / Case	144-FBGA
Oscillator Type	Internal	Operating Temperature	-40°C ~ 105°C (TA)
Number of I/O	75	Moisture Sensitivity Level (MSL)	3 (168 Hours)
Manufacturer Standard Lead Time	6 Weeks	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 10x12b; D/A 2x12b
Core Size	32-Bit	Core Processor	ARM® Cortex®-M7
Connectivity	CANbus, Ethernet, I ² C, IrDA, LINbus, SPI, UART/USART, USB		
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