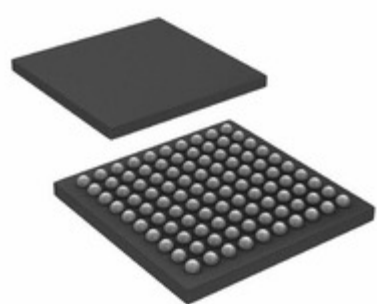


ATSAMS70N19A-CFN





Part Number: [ATSAMS70N19A-CFN](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC MCU 32BIT 512KB FLASH 100BGA

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

RoHS Status: Lead free / RoHS Compliant

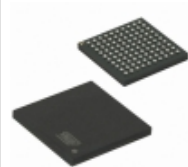
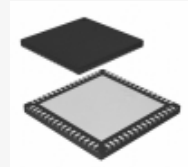
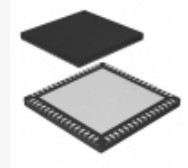
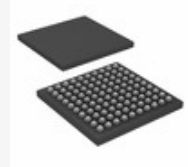
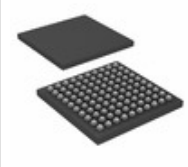
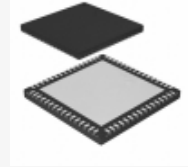
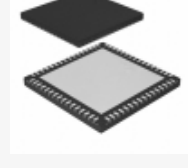
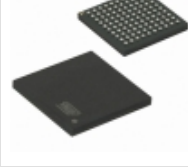
Ship From: Hong Kong

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PRODUCT PARAMETER			
Part Number	ATSAMS70N19A-CFN	Manufacturer	Micrel / Microchip Technology
Description	IC MCU 32BIT 512KB FLASH 100BGA	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	13554 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 1.08 V ~ 3.6 V
Supplier Device Package	100-VFBGA (7x7)	Speed	300MHz
Series	SAM S70	RAM Size	256K x 8
Program Memory Type	FLASH	Program Memory Size	512KB (512K x 8)
Peripherals	Brown-out Detect/Reset, DMA, I ² S, POR, PWM, WDT	Packaging	Tray
Package / Case	100-VFBGA	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
Lead Free Status / RoHS Status	Lead free / RoHS Compliant	EEPROM Size	-
Detailed Description	ARM® Cortex®-M7 SAM S70 Microcontroller IC 32-Bit 300MHz 512KB (512K x 8) FLASH 100-VFBGA (7x7)	Data Converters	A/D 10x12b, D/A 2x12b
Core Size	32-Bit	Core Processor	ARM® Cortex®-M7
Connectivity	I ² C, IrDA, LINbus, MMC/SD/SDIO, SPI, UART/USART, USB	Base Part Number	ATSAMS70N19
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