



ATSAMS70N20A-AN

Part Number: **ATSAMS70N20A-AN**
 Product Description: IC MCU 32BIT 1MB FLASH 100LQFP
 RoHs Status: Lead free / RoHS Compliant
 Datasheets: [1.ATSAMS70N20A-AN.pdf](#)
[2.ATSAMS70N20A-AN.pdf](#)

Manufacturer/Brand: Micrel / Microchip Technology
 Ship From: Hong Kong
 Shipment Way: DHL/Fedex/TNT/UPS/EMS

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Image may be representation.
 See specifications for product details.

Product details

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Description	IC MCU 32BIT 1MB FLASH 100LQFP	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Data sheet	1.ATSAMS70N20A-AN.pdf2.ATSAMS70N20A-AN.pdf		
Voltage - Supply (Vcc/Vdd)	1.08 V ~ 3.6 V	Supplier Device Package	100-LQFP (14x14)
Speed	300MHz	Series	SAM S70
RAM Size	384K x 8	Program Memory Type	FLASH
Program Memory Size	1MB (1M x 8)	Peripherals	Brown-out Detect/Reset, DMA, I ² S, POR, PWM, WDT
Packaging	Tray	Package / Case	100-LQFP
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 1MB (1M x 8) FLASH 100-LQFP (14x14)
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	ATSAMS70N20		

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