

ATSAME70N20A-AN



Part Number: [ATSAME70N20A-AN](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC MCU 32BIT 1MB FLASH 100LQFP

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

RoHs Status: Lead free / RoHS Compliant

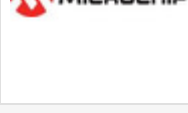
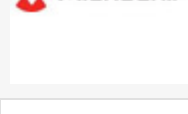
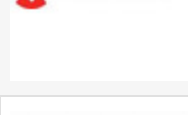
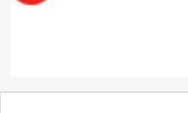
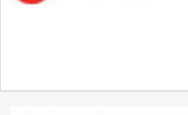
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PRODUCT PARAMETER			
Part Number	ATSAME70N20A-AN	Manufacturer	Micrel / Microchip Technology
Description	IC MCU 32BIT 1MB FLASH 100LQFP	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	12166 pcs	Data sheet	SAM E/S/V70,V71 Family Errata SAM E/S/V70,V71 Family
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	Datasheet 1.62 V ~ 3.6 V
Supplier Device Package	100-LQFP (14x14)	Speed	300MHz
Series	SAM E70	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 E70 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	CANbus, Ethernet, I ² C, IrDA, LINbus, MMC/SD/SDIO, SPI, UART/USART, USB	Base Part Number	ATSAME70N20
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	Part#: ATSAME70N19B-CNT Description: CM7,512KB FLASH,256KB SRAM	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATSAME70J21B-ANT Description: IC MCU 32BIT 2MB FLASH 64LQFP	Manufacturers: Micrel / Microchip Technology	RFQ
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	Part#: ATSAME70N20B-AN Description: CM7,1024KB FLASH,384KB SRAM,LQFP	Manufacturers: Micrel / Microchip Technology	RFQ
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	Part#: ATSAME70N19B-CN Description: CM7,512KB FLASH,256KB SRAM,BGA10	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATSAME70N20B-CN Description: IC MCU 32BIT 1MB FLASH 100TFBGA	Manufacturers: Micrel / Microchip Technology	RFQ
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