

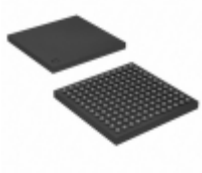

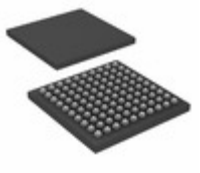
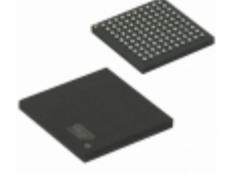

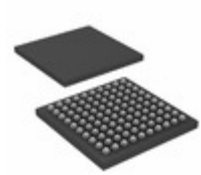


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|  | ATSAMS70N21B-CNT |
| | Manufacturer Part Number: ATSAMS70N21B-CNT |
|  | Manufacturer/Brand: Micrel / Microchip Technology |
| | Part of Description: IC MCU 32BIT 2MB FLASH 100TFBGA |
| | Datasheets: 1.ATSAMS70N21B-CNT.pdf 2.ATSAMS70N21B-CNT.pdf |
| | RoHs Status:  Lead free / RoHS |
| | Stock Condition: Compliant New original , Stock Available . |
| | Ship From: Hong Kong |
| | Shipment Way: DHL/Fedex/TNT/UPS/EMS |
| | |

Specifications

| | |
|----------------------------------|---|
| Part Number | ATSAMS70N21B-CNT |
| Manufacturer | Micrel / Microchip Technology |
| Description | IC MCU 32BIT 2MB FLASH 100TFBGA |
| Category | Integrated Circuits (ICs) > Embedded - Microcontrollers |
| Part Status | Require For Quote & Check Stock |
| Voltage - Supply (Vcc/Vdd) | 1.08 V ~ 3.6 V |
| Supplier Device Package | 100-TFBGA (9x9) |
| 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, I²S, POR, PWM, WDT |
| Packaging | Cut Tape (CT) |
| Package / Case | 100-TFBGA |
| Other Names | ATSAMS70N21B-CNTCT |
| 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 |
| Data Converters | A/D 10x12b, D/A 2x12b |
| Core Size | 32-Bit |
| Core Processor | ARM® Cortex®-M7 |
| Connectivity | I²C, IrDA, LINbus, MMC/SD/SDIO, SPI, UART/USART, |

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|  <p>ATSAMS70N21B-AN Micrel / Microchip Technology IC MCU 32BIT 2MB FLASH 100LQFP</p> |  <p>ATSAMS70N21B-CFN Micrel / Microchip Technology IC MCU 32BIT 2MB FLASH 100VFBGA</p> |  <p>ATSAMS70Q19A-AN Microchip Technology IC MCU 32BIT 512KB FLASH 144LQFP</p> |  <p>ATSAMS70Q19A-ANT Microchip Technology IC MCU 32BIT 512KB FLASH 144LQFP</p> |

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