



ATSAMS70N21B-CNT

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | ATSAMS70N21B-CNT                                                                                             |
| Manufacturer/Brand: | Micrel / Microchip Technology                                                                                |
| Product description | IC MCU 32BIT 2MB FLASH 100TFBGA                                                                              |
| Datasheets:         |  1.ATSAMS70N21B-CNT.pdf     |
|                     |  2.ATSAMS70N21B-CNT.pdf     |
| RoHs Status         |  Lead free / RoHS Compliant |
| Stock Condition     | 7858 pcs stock                                                                                               |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

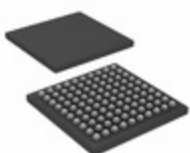
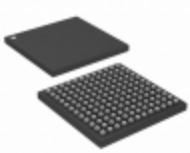
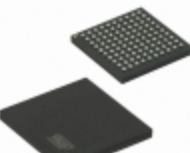
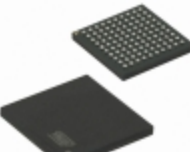
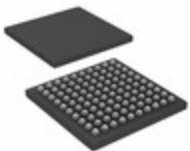
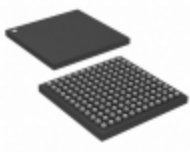
Specifications of ATSAMS70N21B-CNT

|                                  |                                                                                                            |
|----------------------------------|------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | ATSAMS70N21B-CNT                                                                                           |
| MANUFACTURER                     | Micrel / Microchip Technology                                                                              |
| DESCRIPTION                      | IC MCU 32BIT 2MB FLASH 100TFBGA                                                                            |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                 |
| QUANTITY AVAILABLE               | 7858 pcs                                                                                                   |
| DATA SHEET                       |  1.ATSAMS70N21B-CNT.pdf |
|                                  |  2.ATSAMS70N21B-CNT.pdf |
| 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)                                                                                              |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                 |
| EEPROM SIZE                      | -                                                                                                          |
| DETAILED DESCRIPTION             | ARM® Cortex®-M7 SAM S70 Microcontroller IC 32-Bit 300MHz 2MB (2M x 8) FLASH 100-TFBGA (9x9)                |
| 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, USB                                                       |

Related Tags

|                                                |                                        |                                                         |
|------------------------------------------------|----------------------------------------|---------------------------------------------------------|
| Micrel / Microchip Technology ATSAMS70N21B-CNT | ATSAMS70N21B-CNT Distributor           | ATSAMS70N21B-CNT Supplier                               |
| ATSAMS70N21B-CNT Price                         | ATSAMS70N21B-CNT Pictures              | ATSAMS70N21B-CNT Image                                  |
| ATSAMS70N21B-CNT PDF Datasheet                 | ATSAMS70N21B-CNT Download Datasheet    | ATSAMS70N21B-CNT Datasheet                              |
| ATSAMS70N21B-CNT Stock                         | Buy ATSAMS70N21B-CNT                   | Buy Micrel / Microchip Technology ATSAMS70N21B-CNT      |
| Micrel / Microchip Technology ATSAMS70N21B-CNT | Micrel / Microchip Technology Supplier | Micrel / Microchip Technology Distributor               |
| Micrel / Microchip Technology ATSAMS70N21B-CNT | Microchip Technology ATSAMS70N21B-CNT  | Roving Networks / Microchip Technology ATSAMS70N21B-CNT |

Related Products

|                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <div></div> <div>ATSAMS70N21B-CFN<br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 2MB FLASH 100VFBGA<br/>In stock: 8409 pcs<br/>RFQ</div>   | <div></div> <div>ATSAMS70Q19A-CNT<br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 512KB FLASH 144BGA<br/>In stock: 9970 pcs<br/>RFQ</div>    |
| <div></div> <div>ATSAMS70Q19A-AN<br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 512KB FLASH 144LQFP<br/>In stock: 9409 pcs<br/>RFQ</div>   | <div></div> <div>ATSAMS70N21B-ANT<br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 2MB FLASH 100LQFP<br/>In stock: 7120 pcs<br/>RFQ</div>     |
| <div></div> <div>ATSAMS70N21B-AN<br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 2MB FLASH 100LQFP<br/>In stock: 9025 pcs<br/>RFQ</div>     | <div></div> <div>ATSAMS70N21B-CN<br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 2MB FLASH 100TFBGA<br/>In stock: 6740 pcs<br/>RFQ</div>     |
| <div></div> <div>ATSAMS70N21A-CNT<br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 2MB FLASH 100TFBGA<br/>In stock: 7773 pcs<br/>RFQ</div>   | <div></div> <div>ATSAMS70Q19A-CFN<br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 512KB FLASH 144FBGA<br/>In stock: 13255 pcs<br/>RFQ</div>  |
| <div></div> <div>ATSAMS70Q19A-ANT<br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 512KB FLASH 144LQFP<br/>In stock: 13571 pcs<br/>RFQ</div> | <div></div> <div>ATSAMS70N21B-CFNT<br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 2MB FLASH 100VFBGA<br/>In stock: 8791 pcs<br/>RFQ</div>   |
| <div></div> <div>ATSAMS70Q19A-CN<br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 512KB FLASH 144BGA<br/>In stock: 10510 pcs<br/>RFQ</div>   | <div></div> <div>ATSAMS70Q19A-CFNT<br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 512KB FLASH 144FBGA<br/>In stock: 11107 pcs<br/>RFQ</div> |