



**Micrel / Microchip Technology**



Image may be representation. See specifications for product details.

**ATSAME70J21B-AN**

|                     |                                                                                                                                                                                                                                                                           |
|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number:        | ATSAME70J21B-AN                                                                                                                                                                                                                                                           |
| Manufacturer/Brand: | Micrel / Microchip Technology                                                                                                                                                                                                                                             |
| Product description | IC MCU 32BIT 2MB FLASH 64LQFP                                                                                                                                                                                                                                             |
| Datasheets:         | <div>  <a href="#">1.ATSAME70J21B-AN.pdf</a> </div> <div>  <a href="#">2.ATSAME70J21B-AN.pdf</a> </div> |
| RoHs Status         | <div>  Lead free / RoHS Compliant </div>                                                                                                                                                 |
| Stock Condition     | 7889 pcs stock                                                                                                                                                                                                                                                            |
| Ship From           | Hong Kong                                                                                                                                                                                                                                                                 |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                                                                                                                                                                                     |

REQUEST FOR QUOTATION

Specifications of ATSAME70J21B-AN

|                                  |                                                                                                                                                                                                                                                                               |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | ATSAME70J21B-AN                                                                                                                                                                                                                                                               |
| MANUFACTURER                     | Micrel / Microchip Technology                                                                                                                                                                                                                                                 |
| DESCRIPTION                      | IC MCU 32BIT 2MB FLASH 64LQFP                                                                                                                                                                                                                                                 |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                    |
| QUANTITY AVAILABLE               | 7889 pcs                                                                                                                                                                                                                                                                      |
| DATA SHEET                       | <div>  <a href="#">1.ATSAME70J21B-AN.pdf</a> </div> <div>  <a href="#">2.ATSAME70J21B-AN.pdf</a> </div> |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.62 V ~ 3.6 V                                                                                                                                                                                                                                                                |
| SUPPLIER DEVICE PACKAGE          | 64-LQFP (10x10)                                                                                                                                                                                                                                                               |
| SPEED                            | 300MHz                                                                                                                                                                                                                                                                        |
| SERIES                           | SAM E70                                                                                                                                                                                                                                                                       |
| 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                        | Tray                                                                                                                                                                                                                                                                          |
| PACKAGE / CASE                   | 64-LQFP                                                                                                                                                                                                                                                                       |
| OSCILLATOR TYPE                  | Internal                                                                                                                                                                                                                                                                      |
| OPERATING TEMPERATURE            | -40°C ~ 105°C (TA)                                                                                                                                                                                                                                                            |
| NUMBER OF I/O                    | 44                                                                                                                                                                                                                                                                            |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                                                                                                                                                                                                 |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                    |
| EEPROM SIZE                      | -                                                                                                                                                                                                                                                                             |
| DETAILED DESCRIPTION             | ARM® Cortex®-M7 SAM E70 Microcontroller IC 32-Bit 300MHz 2MB (2M x 8) FLASH 64-LQFP (10x10)                                                                                                                                                                                   |
| DATA CONVERTERS                  | A/D 5x12b, D/A 1x12b                                                                                                                                                                                                                                                          |
| CORE SIZE                        | 32-Bit                                                                                                                                                                                                                                                                        |
| CORE PROCESSOR                   | ARM® Cortex®-M7                                                                                                                                                                                                                                                               |
| CONNECTIVITY                     | CANbus, Ethernet, I²C, IrDA, LINbus, SPI, UART/USART, USB                                                                                                                                                                                                                     |

Related Tags

|                                               |                                        |                                                        |
|-----------------------------------------------|----------------------------------------|--------------------------------------------------------|
| Micrel / Microchip Technology ATSAME70J21B-AN | ATSAME70J21B-AN Distributor            | ATSAME70J21B-AN Supplier                               |
| ATSAME70J21B-AN Price                         | ATSAME70J21B-AN Pictures               | ATSAME70J21B-AN Image                                  |
| ATSAME70J21B-AN PDF Datasheet                 | ATSAME70J21B-AN Download Datasheet     | ATSAME70J21B-AN Datasheet                              |
| ATSAME70J21B-AN Stock                         | Buy ATSAME70J21B-AN                    | Buy Micrel / Microchip Technology ATSAME70J21B-AN      |
| Micrel / Microchip Technology ATSAME70J21B-AN | Micrel / Microchip Technology Supplier | Micrel / Microchip Technology Distributor              |
| Micrel / Microchip Technology ATSAME70J21B-AN | Microchip Technology ATSAME70J21B-AN   | Roving Networks / Microchip Technology ATSAME70J21B-AN |

Related Products

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|  <div> <b>ATSAME70N19A-ANT</b> </div> <div> Manufacturers: Micrel / Microchip Technology<br/> Description: IC MCU 32BIT 512KB FLASH 100LQFP<br/> In stock: 11957 pcs </div> <div> RFQ </div> |  <div> <b>ATSAME70N19B-CN</b> </div> <div> Manufacturers: Micrel / Microchip Technology<br/> Description: CM7,512KB FLASH,256KB SRAM,BGA10<br/> In stock: 9158 pcs </div> <div> RFQ </div>  |
|  <div> <b>ATSAME70J20B-ANT</b> </div> <div> Manufacturers: Micrel / Microchip Technology<br/> Description: CM7,1024KB FLASH,384KB SRAM,LQFP<br/> In stock: 9092 pcs </div> <div> RFQ </div>  |  <div> <b>ATSAME70J20B-AN</b> </div> <div> Manufacturers: Micrel / Microchip Technology<br/> Description: CM7,512KB FLASH,384KB SRAM,LQFP<br/> In stock: 9571 pcs </div> <div> RFQ </div>   |
|  <div> <b>ATSAME70J21B-ANT</b> </div> <div> Manufacturers: Micrel / Microchip Technology<br/> Description: IC MCU 32BIT 2MB FLASH 64LQFP<br/> In stock: 8834 pcs </div> <div> RFQ </div>     |  <div> <b>ATSAME70N19A-CNT</b> </div> <div> Manufacturers: Micrel / Microchip Technology<br/> Description: IC MCU 32BIT 512KB FLASH 100BGA<br/> In stock: 11472 pcs </div> <div> RFQ </div> |
|  <div> <b>ATSAME70J20A-ANT</b> </div> <div> Manufacturers: Micrel / Microchip Technology<br/> Description: IC MCU 32BIT 1MB FLASH 64LQFP<br/> In stock: 10724 pcs </div> <div> RFQ </div>    |  <div> <b>ATSAME70N19A-AN</b> </div> <div> Manufacturers: Micrel / Microchip Technology<br/> Description: IC MCU 32BIT 512KB FLASH 100LQFP<br/> In stock: 10487 pcs </div> <div> RFQ </div> |
|  <div> <b>ATSAME70N19A-CN</b> </div> <div> Manufacturers: Micrel / Microchip Technology<br/> Description: IC MCU 32BIT 512KB FLASH 100BGA<br/> In stock: 16823 pcs </div> <div> RFQ </div>   |  <div> <b>ATSAME70J20A-AN</b> </div> <div> Manufacturers: Micrel / Microchip Technology<br/> Description: IC MCU 32BIT 1MB FLASH 64LQFP<br/> In stock: 9874 pcs </div> <div> RFQ </div>     |
|  <div> <b>ATSAME70J21A-AN</b> </div> <div> Manufacturers: Micrel / Microchip Technology<br/> Description: IC MCU 32BIT 2MB FLASH 64LQFP<br/> In stock: 7274 pcs </div> <div> RFQ </div>      |  <div> <b>ATSAME70J21A-ANT</b> </div> <div> Manufacturers: Micrel / Microchip Technology<br/> Description: IC MCU 32BIT 2MB FLASH 64LQFP<br/> In stock: 8513 pcs </div> <div> RFQ </div>    |