



ATSAME70Q21B-CFN

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | ATSAME70Q21B-CFN                                                                                             |
| Manufacturer/Brand: | Micrel / Microchip Technology                                                                                |
| Product description | IC MCU 32BIT 2MB FLASH 144UFBGA                                                                              |
| Datasheets:         | <a href="#">PDF 1.ATSAME70Q21B-CFN.pdf</a><br><a href="#">PDF 2.ATSAME70Q21B-CFN.pdf</a>                     |
| RoHs Status         |  Lead free / RoHS Compliant |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

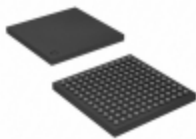
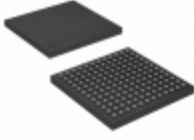
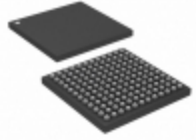
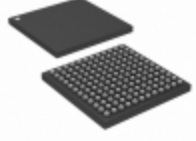
Specifications of ATSAME70Q21B-CFN

|                                  |                                                                                             |
|----------------------------------|---------------------------------------------------------------------------------------------|
| PART NUMBER                      | ATSAME70Q21B-CFN                                                                            |
| MANUFACTURER                     | Micrel / Microchip Technology                                                               |
| DESCRIPTION                      | IC MCU 32BIT 2MB FLASH 144UFBGA                                                             |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                  |
| DATA SHEET                       | <a href="#">PDF 1.ATSAME70Q21B-CFN.pdf</a><br><a href="#">PDF 2.ATSAME70Q21B-CFN.pdf</a>    |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.62 V ~ 3.6 V                                                                              |
| SUPPLIER DEVICE PACKAGE          | 144-UFBGA (6x6)                                                                             |
| 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                   | 144-UFBGA                                                                                   |
| OSCILLATOR TYPE                  | Internal                                                                                    |
| OPERATING TEMPERATURE            | -40°C ~ 105°C (TA)                                                                          |
| NUMBER OF I/O                    | 114                                                                                         |
| 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 2MB (2M x 8) FLASH 144-UFBGA (6x6) |
| DATA CONVERTERS                  | A/D 24x12b, D/A 2x12b                                                                       |
| CORE SIZE                        | 32-Bit                                                                                      |
| CORE PROCESSOR                   | ARM® Cortex®-M7                                                                             |
| CONNECTIVITY                     | CANbus, EBI/EMI, Ethernet, I²C, IrDA, LINbus, MMC/SD/SDIO, SPI, UART/USART, USB             |

Related Tags

|                                                |                                        |                                                         |
|------------------------------------------------|----------------------------------------|---------------------------------------------------------|
| Micrel / Microchip Technology ATSAME70Q21B-CFN | ATSAME70Q21B-CFN Distributor           | ATSAME70Q21B-CFN Supplier                               |
| ATSAME70Q21B-CFN Price                         | ATSAME70Q21B-CFN Pictures              | ATSAME70Q21B-CFN Image                                  |
| ATSAME70Q21B-CFN PDF Datasheet                 | ATSAME70Q21B-CFN Download Datasheet    | ATSAME70Q21B-CFN Datasheet                              |
| ATSAME70Q21B-CFN Stock                         | Buy ATSAME70Q21B-CFN                   | Buy Micrel / Microchip Technology ATSAME70Q21B-CFN      |
| Micrel / Microchip Technology ATSAME70Q21B-CFN | Micrel / Microchip Technology Supplier | Micrel / Microchip Technology Distributor               |
| Micrel / Microchip Technology ATSAME70Q21B-CFN | Microchip Technology ATSAME70Q21B-CFN  | Roving Networks / Microchip Technology ATSAME70Q21B-CFN |

Related Products

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| <div></div> <div><b>ATSAME70Q21A-CNT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 2MB FLASH 144LFBGA<br/>In stock: Out stock<br/><div>RFQ</div></div>  | <div></div> <div><b>ATSAME70Q21B-AN</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 2MB FLASH 144LQFP<br/>In stock: 609 pcs<br/><div>RFQ</div></div>      |
| <div></div> <div><b>ATSAME70Q21A-CFN</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 2MB FLASH 144UFBGA<br/>In stock: 954 pcs<br/><div>RFQ</div></div>    | <div></div> <div><b>ATSAME70Q21A-CN</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 2MB FLASH 144LFBGA<br/>In stock: 726 pcs<br/><div>RFQ</div></div>     |
| <div></div> <div><b>ATSAME70Q21B-CN</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 2MB FLASH 144LFBGA<br/>In stock: 893 pcs<br/><div>RFQ</div></div>     | <div></div> <div><b>ATSAMG51G18A-UUT</b><br/>Manufacturers: Microchip Technology<br/>Description: IC MCU 32BIT 256KB FLASH 49WLCSP<br/>In stock: Out stock<br/><div>RFQ</div></div>          |
| <div></div> <div><b>ATSAME70Q21B-ANT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 2MB FLASH 144LQFP<br/>In stock: 761 pcs<br/><div>RFQ</div></div>     | <div></div> <div><b>ATSAMG51G18A-UUT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32Bit 256KB FLASH 49WLCSP<br/>In stock: Out stock<br/><div>RFQ</div></div> |
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