



Micrel / Microchip Technology

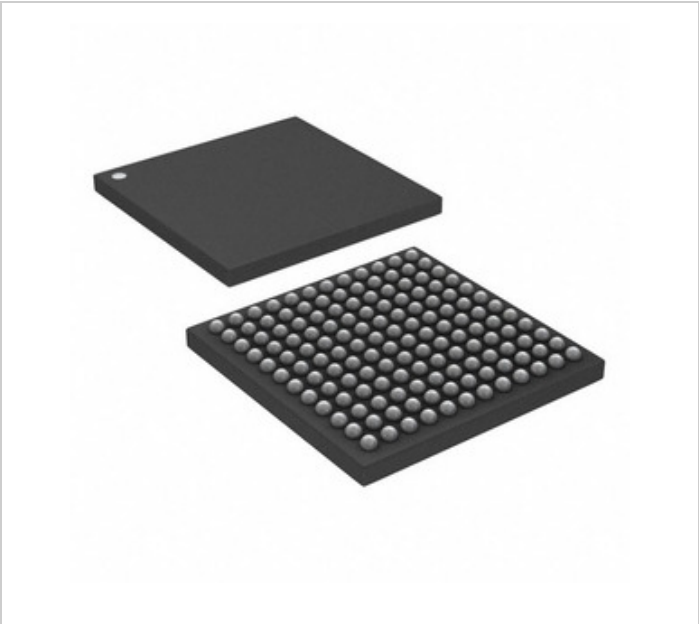


Image may be representation. See specifications for product details.

ATSAME70Q21B-CNT

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | ATSAME70Q21B-CNT                                                                                             |
| Manufacturer/Brand: | Micrel / Microchip Technology                                                                                |
| Product description | IC MCU 32BIT 2MB FLASH 144LFBGA                                                                              |
|                     |  1.ATSAME70Q21B-CNT.pdf     |
|                     |  2.ATSAME70Q21B-CNT.pdf     |
| Datasheets:         |                                                                                                              |
| RoHs Status         |  Lead free / RoHS Compliant |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

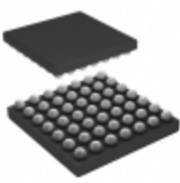
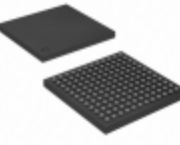
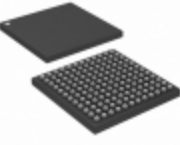
Specifications of ATSAME70Q21B-CNT

|                                  |                                                                                                                                                                                                                          |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | ATSAME70Q21B-CNT                                                                                                                                                                                                         |
| MANUFACTURER                     | Micrel / Microchip Technology                                                                                                                                                                                            |
| DESCRIPTION                      | IC MCU 32BIT 2MB FLASH 144LFBGA                                                                                                                                                                                          |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                               |
| DATA SHEET                       |  1.ATSAME70Q21B-CNT.pdf<br> 2.ATSAME70Q21B-CNT.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.62 V ~ 3.6 V                                                                                                                                                                                                           |
| SUPPLIER DEVICE PACKAGE          | 144-LFBGA (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                        | Tape & Reel (TR)                                                                                                                                                                                                         |
| PACKAGE / CASE                   | 144-LFBGA                                                                                                                                                                                                                |
| OTHER NAMES                      | ATSAME70Q21B-CNTTR                                                                                                                                                                                                       |
| 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-LFBGA (10x10)                                                                                                                            |
| 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-CNT | ATSAME70Q21B-CNT Distributor           | ATSAME70Q21B-CNT Supplier                               |
| ATSAME70Q21B-CNT Price                         | ATSAME70Q21B-CNT Pictures              | ATSAME70Q21B-CNT Image                                  |
| ATSAME70Q21B-CNT PDF Datasheet                 | ATSAME70Q21B-CNT Download Datasheet    | ATSAME70Q21B-CNT Datasheet                              |
| ATSAME70Q21B-CNT Stock                         | Buy ATSAME70Q21B-CNT                   | Buy Micrel / Microchip Technology ATSAME70Q21B-CNT      |
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| Micrel / Microchip Technology ATSAME70Q21B-CNT | Microchip Technology ATSAME70Q21B-CNT  | Roving Networks / Microchip Technology ATSAME70Q21B-CNT |

Related Products

|                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                     |
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|  <div><b>ATSAMG53G19A-UUT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 512KB FLASH 49WLCSP<br/>In stock: Out stock<br/><div>RFQ</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><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> |  <div><b>ATSAMG53G19A-UUT</b><br/>Manufacturers: Microchip Technology<br/>Description: IC MCU 32BIT 512KB FLASH 49WLCSP<br/>In stock: 491 pcs<br/><div>RFQ</div></div>           |
|  <div><b>ATSAME70Q21B-CFNT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 2MB FLASH 144UFBGA<br/>In stock: Out stock<br/><div>RFQ</div></div> |  <div><b>ATSAME70Q21B-CFN</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 2MB FLASH 144UFBGA<br/>In stock: 690 pcs<br/><div>RFQ</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><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><b>ATSAMG53-XPRO</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: SAMG53 XPLAINED PRO EVAL KIT<br/>In stock: Out stock<br/><div>RFQ</div></div>        |  <div><b>ATSAMG51N18A-AU</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 256KB FLASH 100LQFP<br/>In stock: Out stock<br/><div>RFQ</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><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>     |