



**Micrel / Microchip Technology**



**ATSAME51J20A-MUT**

|                     |                                                                                                                                                                                                                                             |
|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number:        | ATSAME51J20A-MUT                                                                                                                                                                                                                            |
| Manufacturer/Brand: | Micrel / Microchip Technology                                                                                                                                                                                                               |
| Product description | IC MCU 32BIT 1MB FLASH 64QFN                                                                                                                                                                                                                |
|                     | <div>  1.ATSAME51J20A-MUT.pdf </div> <div>  2.ATSAME51J20A-MUT.pdf </div> |
| Datasheets:         |                                                                                                                                                                                                                                             |
| RoHs Status         | <div>  Lead free / RoHS Compliant </div>                                                                                                                   |
| Stock Condition     | 18052 pcs stock                                                                                                                                                                                                                             |
| Ship From           | Hong Kong                                                                                                                                                                                                                                   |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                                                                                                                                                       |

REQUEST FOR QUOTATION

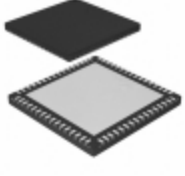
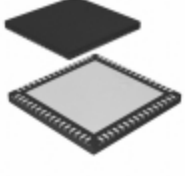
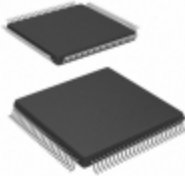
Specifications of ATSAME51J20A-MUT

|                                  |                                                                                                                                                                                                                                                 |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | ATSAME51J20A-MUT                                                                                                                                                                                                                                |
| MANUFACTURER                     | Micrel / Microchip Technology                                                                                                                                                                                                                   |
| DESCRIPTION                      | IC MCU 32BIT 1MB FLASH 64QFN                                                                                                                                                                                                                    |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                      |
| QUANTITY AVAILABLE               | 18052 pcs                                                                                                                                                                                                                                       |
| DATA SHEET                       | <div>  1.ATSAME51J20A-MUT.pdf </div> <div>  2.ATSAME51J20A-MUT.pdf </div> |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.71 V ~ 3.63 V                                                                                                                                                                                                                                 |
| SUPPLIER DEVICE PACKAGE          | 64-VQFN (9x9)                                                                                                                                                                                                                                   |
| SPEED                            | 120MHz                                                                                                                                                                                                                                          |
| SERIES                           | SAM E51                                                                                                                                                                                                                                         |
| RAM SIZE                         | 256K x 8                                                                                                                                                                                                                                        |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                                                                                                                                                           |
| PROGRAM MEMORY SIZE              | 1MB (1M x 8)                                                                                                                                                                                                                                    |
| PERIPHERALS                      | Brown-out Detect/Reset, DMA, I²S, POR, PWM                                                                                                                                                                                                      |
| PACKAGING                        | Cut Tape (CT)                                                                                                                                                                                                                                   |
| PACKAGE / CASE                   | 64-VFQFN Exposed Pad                                                                                                                                                                                                                            |
| OTHER NAMES                      | ATSAME51J20A-MUT-CT                                                                                                                                                                                                                             |
| OSCILLATOR TYPE                  | Internal                                                                                                                                                                                                                                        |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                                                                                                                                                                                               |
| NUMBER OF I/O                    | 51                                                                                                                                                                                                                                              |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                                                                                                                                                                   |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                      |
| EEPROM SIZE                      | -                                                                                                                                                                                                                                               |
| DETAILED DESCRIPTION             | ARM® Cortex®-M4F SAM E51 Microcontroller IC 32-Bit 120MHz 1MB (1M x 8) FLASH 64-VQFN (9x9)                                                                                                                                                      |
| DATA CONVERTERS                  | A/D 24x12b, D/A 2x12b                                                                                                                                                                                                                           |
| CORE SIZE                        | 32-Bit                                                                                                                                                                                                                                          |
| CORE PROCESSOR                   | ARM® Cortex®-M4F                                                                                                                                                                                                                                |
| CONNECTIVITY                     | CANbus, EBI/EMI, I²C, IrDA, LINbus, MMC/SD, QSPI, SPI, UART/USART, USB                                                                                                                                                                          |

Related Tags

|                                                |                                        |                                                         |
|------------------------------------------------|----------------------------------------|---------------------------------------------------------|
| Micrel / Microchip Technology ATSAME51J20A-MUT | ATSAME51J20A-MUT Distributor           | ATSAME51J20A-MUT Supplier                               |
| ATSAME51J20A-MUT Price                         | ATSAME51J20A-MUT Pictures              | ATSAME51J20A-MUT Image                                  |
| ATSAME51J20A-MUT PDF Datasheet                 | ATSAME51J20A-MUT Download Datasheet    | ATSAME51J20A-MUT Datasheet                              |
| ATSAME51J20A-MUT Stock                         | Buy ATSAME51J20A-MUT                   | Buy Micrel / Microchip Technology ATSAME51J20A-MUT      |
| Micrel / Microchip Technology ATSAME51J20A-MUT | Micrel / Microchip Technology Supplier | Micrel / Microchip Technology Distributor               |
| Micrel / Microchip Technology ATSAME51J20A-MUT | Microchip Technology ATSAME51J20A-MUT  | Roving Networks / Microchip Technology ATSAME51J20A-MUT |

Related Products

|                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                |
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|  <div> <b>ATSAME51J20A-AUT</b> </div> <div> Manufacturers: Micrel / Microchip Technology<br/> Description: IC MCU 32BIT 1MB FLASH 64TQFP<br/> In stock: 22105 pcs </div> <div> RFQ </div>    |  <div> <b>ATSAME51N19A-AU</b> </div> <div> Manufacturers: Micrel / Microchip Technology<br/> Description: IC MCU 32BIT 512KB FLASH 100TQFP<br/> In stock: 19008 pcs </div> <div> RFQ </div> |
|  <div> <b>ATSAME51J20A-MU</b> </div> <div> Manufacturers: Micrel / Microchip Technology<br/> Description: IC MCU 32BIT 1MB FLASH 64QFN<br/> In stock: 19487 pcs </div> <div> RFQ </div>      |  <div> <b>ATSAME51N20A-AU</b> </div> <div> Manufacturers: Micrel / Microchip Technology<br/> Description: IC MCU 32BIT 1MB FLASH 100TQFP<br/> In stock: 17351 pcs </div> <div> RFQ </div>   |
|  <div> <b>ATSAME51N19A-AUT</b> </div> <div> Manufacturers: Micrel / Microchip Technology<br/> Description: IC MCU 32BIT 512KB FLASH 100TQFP<br/> In stock: 18790 pcs </div> <div> RFQ </div> |  <div> <b>ATSAME51J19A-MUT</b> </div> <div> Manufacturers: Micrel / Microchip Technology<br/> Description: IC MCU 32BIT 512KB FLASH 64QFN<br/> In stock: 23794 pcs </div> <div> RFQ </div>  |
|  <div> <b>ATSAME51J19A-MU</b> </div> <div> Manufacturers: Micrel / Microchip Technology<br/> Description: IC MCU 32BIT 512KB FLASH 64QFN<br/> In stock: 20740 pcs </div> <div> RFQ </div>    |  <div> <b>ATSAME53J18A-AU</b> </div> <div> Manufacturers: Micrel / Microchip Technology<br/> Description: IC MCU 32BIT 256KB FLASH 64TQFP<br/> In stock: 24063 pcs </div> <div> RFQ </div>  |
|  <div> <b>ATSAME51N20A-AUT</b> </div> <div> Manufacturers: Micrel / Microchip Technology<br/> Description: IC MCU 32BIT 1MB FLASH 100TQFP<br/> In stock: 15016 pcs </div> <div> RFQ </div>   |  <div> <b>ATSAME53J18A-AUT</b> </div> <div> Manufacturers: Micrel / Microchip Technology<br/> Description: IC MCU 32BIT 256KB FLASH 64TQFP<br/> In stock: 29662 pcs </div> <div> RFQ </div> |
|  <div> <b>ATSAME51J19A-AUT</b> </div> <div> Manufacturers: Micrel / Microchip Technology<br/> Description: IC MCU 32BIT 512KB FLASH 64TQFP<br/> In stock: 19226 pcs </div> <div> RFQ </div>  |  <div> <b>ATSAME51J20A-AU</b> </div> <div> Manufacturers: Micrel / Microchip Technology<br/> Description: IC MCU 32BIT 1MB FLASH 64TQFP<br/> In stock: 19073 pcs </div> <div> RFQ </div>    |