



Micrel / Microchip Technology



Image may be representation. See specifications for product details.

ATSAME51J20A-AU

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | ATSAME51J20A-AU                                                                                              |
| Manufacturer/Brand: | Micrel / Microchip Technology                                                                                |
| Product description | IC MCU 32BIT 1MB FLASH 64TQFP                                                                                |
|                     |  1.ATSAME51J20A-AU.pdf      |
|                     |  2.ATSAME51J20A-AU.pdf      |
| Datasheets:         |  Lead free / RoHS Compliant |
| RoHs Status         | 19073 pcs stock                                                                                              |
| Stock Condition     | Hong Kong                                                                                                    |
| Ship From           | DHL/Fedex/TNT/UPS/EMS                                                                                        |
| Shipment Way        |                                                                                                              |

REQUEST FOR QUOTATION

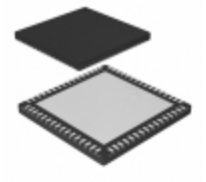
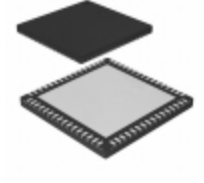
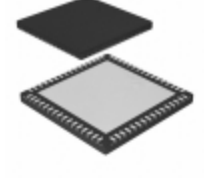
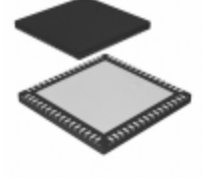
Specifications of ATSAME51J20A-AU

|                                  |                                                                                                                                                                                                                        |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | ATSAME51J20A-AU                                                                                                                                                                                                        |
| MANUFACTURER                     | Micrel / Microchip Technology                                                                                                                                                                                          |
| DESCRIPTION                      | IC MCU 32BIT 1MB FLASH 64TQFP                                                                                                                                                                                          |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                             |
| QUANTITY AVAILABLE               | 19073 pcs                                                                                                                                                                                                              |
| DATA SHEET                       |  1.ATSAME51J20A-AU.pdf<br> 2.ATSAME51J20A-AU.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.71 V ~ 3.63 V                                                                                                                                                                                                        |
| SUPPLIER DEVICE PACKAGE          | 64-TQFP (10x10)                                                                                                                                                                                                        |
| 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                        | Tray                                                                                                                                                                                                                   |
| PACKAGE / CASE                   | 64-TQFP                                                                                                                                                                                                                |
| 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-TQFP (10x10)                                                                                                                           |
| 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-AU | ATSAME51J20A-AU Distributor            | ATSAME51J20A-AU Supplier                               |
| ATSAME51J20A-AU Price                         | ATSAME51J20A-AU Pictures               | ATSAME51J20A-AU Image                                  |
| ATSAME51J20A-AU PDF Datasheet                 | ATSAME51J20A-AU Download Datasheet     | ATSAME51J20A-AU Datasheet                              |
| ATSAME51J20A-AU Stock                         | Buy ATSAME51J20A-AU                    | Buy Micrel / Microchip Technology ATSAME51J20A-AU      |
| Micrel / Microchip Technology ATSAME51J20A-AU | Micrel / Microchip Technology Supplier | Micrel / Microchip Technology Distributor              |
| Micrel / Microchip Technology ATSAME51J20A-AU | Microchip Technology ATSAME51J20A-AU   | Roving Networks / Microchip Technology ATSAME51J20A-AU |

Related Products

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|  <div><b>ATSAME51J19A-AUT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 512KB FLASH 64TQFP<br/>In stock: 19226 pcs</div> <div>RFQ</div> |  <div><b>ATSAME51J20A-AUT</b><br/>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><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 512KB FLASH 100TQFP<br/>In stock: 19008 pcs</div> <div>RFQ</div> |  <div><b>ATSAME51J19A-MUT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 512KB FLASH 64QFN<br/>In stock: 23794 pcs</div> <div>RFQ</div>   |
|  <div><b>ATSAME51J20A-MUT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 1MB FLASH 64QFN<br/>In stock: 18052 pcs</div> <div>RFQ</div>    |  <div><b>ATSAME51N19A-AUT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 512KB FLASH 100TQFP<br/>In stock: 18790 pcs</div> <div>RFQ</div> |
|  <div><b>ATSAME51J19A-AU</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 512KB FLASH 64TQFP<br/>In stock: 19694 pcs</div> <div>RFQ</div>  |  <div><b>ATSAME51N20A-AU</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 1MB FLASH 100TQFP<br/>In stock: 17351 pcs</div> <div>RFQ</div>    |
|  <div><b>ATSAME51J19A-MU</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 512KB FLASH 64QFN<br/>In stock: 20740 pcs</div> <div>RFQ</div>   |  <div><b>ATSAME51J20A-MU</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 1MB FLASH 64QFN<br/>In stock: 19487 pcs</div> <div>RFQ</div>      |
|  <div><b>ATSAME51J18A-MU</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 256KB FLASH 64QFN<br/>In stock: 21845 pcs</div> <div>RFQ</div>   |  <div><b>ATSAME51J18A-MUT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 256KB FLASH 64QFN<br/>In stock: 19636 pcs</div> <div>RFQ</div>   |