



**Micrel / Microchip Technology**



**ATSAMG55J19A-AU**

|                     |                                                                                                                       |
|---------------------|-----------------------------------------------------------------------------------------------------------------------|
| Part Number:        | ATSAMG55J19A-AU                                                                                                       |
| Manufacturer/Brand: | Micrel / Microchip Technology                                                                                         |
| Product description | IC MCU 32BIT 512KB FLASH 64LQFP                                                                                       |
| Datasheets:         |  <a href="#">ATSAMG55J19A-AU.pdf</a> |
| RoHs Status         |  Lead free / RoHS Compliant          |
| Stock Condition     | 24518 pcs stock                                                                                                       |
| Ship From           | Hong Kong                                                                                                             |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                                 |

REQUEST FOR QUOTATION

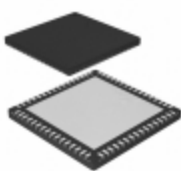
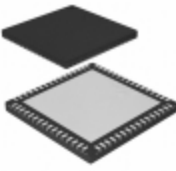
Specifications of ATSAMG55J19A-AU

|                                  |                                                                                                                         |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | ATSAMG55J19A-AU                                                                                                         |
| MANUFACTURER                     | Micrel / Microchip Technology                                                                                           |
| DESCRIPTION                      | IC MCU 32BIT 512KB FLASH 64LQFP                                                                                         |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                              |
| QUANTITY AVAILABLE               | 24518 pcs                                                                                                               |
| DATA SHEET                       |  <a href="#">ATSAMG55J19A-AU.pdf</a> |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.62 V ~ 3.6 V                                                                                                          |
| SUPPLIER DEVICE PACKAGE          | 64-LQFP (10x10)                                                                                                         |
| SPEED                            | 120MHz                                                                                                                  |
| SERIES                           | SAM G55                                                                                                                 |
| RAM SIZE                         | 176K x 8                                                                                                                |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                                   |
| PROGRAM MEMORY SIZE              | 512KB (512K x 8)                                                                                                        |
| PERIPHERALS                      | DMA, I²S, POR, PWM, WDT                                                                                                 |
| PACKAGING                        | Tray                                                                                                                    |
| PACKAGE / CASE                   | 64-LQFP                                                                                                                 |
| OSCILLATOR TYPE                  | Internal                                                                                                                |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                                                                       |
| NUMBER OF I/O                    | 48                                                                                                                      |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                                           |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                              |
| EEPROM SIZE                      | -                                                                                                                       |
| DETAILED DESCRIPTION             | ARM® Cortex®-M4 SAM G55 Microcontroller IC 32-Bit 120MHz 512KB (512K x 8) FLASH 64-LQFP (10x10)                         |
| DATA CONVERTERS                  | A/D 8x12b                                                                                                               |
| CORE SIZE                        | 32-Bit                                                                                                                  |
| CORE PROCESSOR                   | ARM® Cortex®-M4                                                                                                         |
| CONNECTIVITY                     | I²C, SPI, UART/USART, USB                                                                                               |
| BASE PART NUMBER                 | ATSAMG55J19                                                                                                             |

Related Tags

|                                               |                                        |                                                        |
|-----------------------------------------------|----------------------------------------|--------------------------------------------------------|
| Micrel / Microchip Technology ATSAMG55J19A-AU | ATSAMG55J19A-AU Distributor            | ATSAMG55J19A-AU Supplier                               |
| ATSAMG55J19A-AU Price                         | ATSAMG55J19A-AU Pictures               | ATSAMG55J19A-AU Image                                  |
| ATSAMG55J19A-AU PDF Datasheet                 | ATSAMG55J19A-AU Download Datasheet     | ATSAMG55J19A-AU Datasheet                              |
| ATSAMG55J19A-AU Stock                         | Buy ATSAMG55J19A-AU                    | Buy Micrel / Microchip Technology ATSAMG55J19A-AU      |
| Micrel / Microchip Technology ATSAMG55J19A-AU | Micrel / Microchip Technology Supplier | Micrel / Microchip Technology Distributor              |
| Micrel / Microchip Technology ATSAMG55J19A-AU | Microchip Technology ATSAMG55J19A-AU   | Roving Networks / Microchip Technology ATSAMG55J19A-AU |

Related Products

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|  <div> <b>ATSAMG55J19A-MUT</b> </div> <div> Manufacturers: Micrel / Microchip Technology<br/> Description: IC MCU 32BIT 512KB FLASH 64QFN<br/> In stock: 29180 pcs </div> <div>RFQ</div>   |  <div> <b>ATSAMG54N19B-AU</b> </div> <div> Manufacturers: Micrel / Microchip Technology<br/> Description: IC MCU 32BIT 512KB FLASH 100LQFP<br/> In stock: 29712 pcs </div> <div>RFQ</div>  |
|  <div> <b>ATSAMG55J19A-AUT</b> </div> <div> Manufacturers: Microchip Technology<br/> Description: IC MCU 32BIT 512KB FLASH 64LQFP<br/> In stock: 25872 pcs </div> <div>RFQ</div>           |  <div> <b>ATSAMG55-XPRO</b> </div> <div> Manufacturers: Micrel / Microchip Technology<br/> Description: SAMG55 XPLAINED PRO KIT<br/> In stock: 1932 pcs </div> <div>RFQ</div>              |
|  <div> <b>ATSAMG55J19A-AUT</b> </div> <div> Manufacturers: Micrel / Microchip Technology<br/> Description: IC MCU 32BIT 512KB FLASH 64LQFP<br/> In stock: 22330 pcs </div> <div>RFQ</div>  |  <div> <b>ATSAMG54G19B-UUT</b> </div> <div> Manufacturers: Micrel / Microchip Technology<br/> Description: IC MCU 32BIT 512KB FLASH 49WLCSP<br/> In stock: 33546 pcs </div> <div>RFQ</div> |
|  <div> <b>ATSAMG55G19B-UUT</b> </div> <div> Manufacturers: Micrel / Microchip Technology<br/> Description: IC MCU 32BIT 512KB FLASH 49WLCSP<br/> In stock: 24889 pcs </div> <div>RFQ</div> |  <div> <b>ATSAMG55J19B-AUT</b> </div> <div> Manufacturers: Micrel / Microchip Technology<br/> Description: IC MCU 32BIT 512KB FLASH 64LQFP<br/> In stock: 22990 pcs </div> <div>RFQ</div>  |
|  <div> <b>ATSAMG54G19B-UUT</b> </div> <div> Manufacturers: Microchip Technology<br/> Description: IC MCU 32BIT 512KB FLASH 49WLCSP<br/> In stock: 33435 pcs </div> <div>RFQ</div>          |  <div> <b>ATSAMG55G19A-UUT</b> </div> <div> Manufacturers: Micrel / Microchip Technology<br/> Description: IC MCU 32BIT 512KB FLASH 49WLCSP<br/> In stock: 22472 pcs </div> <div>RFQ</div> |
|  <div> <b>ATSAMG55J19B-AU</b> </div> <div> Manufacturers: Micrel / Microchip Technology<br/> Description: IC MCU 32BIT 512KB FLASH 64LQFP<br/> In stock: 25599 pcs </div> <div>RFQ</div>   |  <div> <b>ATSAMG55J19A-MU</b> </div> <div> Manufacturers: Micrel / Microchip Technology<br/> Description: IC MCU 32BIT 512KB FLASH 64QFN<br/> In stock: 22043 pcs </div> <div>RFQ</div>    |