


**MICROCHIP**

**Micrel / Microchip Technology**



Image may be representation. See specifications for product details.

**ATSAMG53G19B-UUT**

|                     |                                                                                                   |
|---------------------|---------------------------------------------------------------------------------------------------|
| Part Number:        | ATSAMG53G19B-UUT                                                                                  |
| Manufacturer/Brand: | Micrel / Microchip Technology                                                                     |
| Product description | IC MCU 32BIT 512KB FLASH 49WLCSP                                                                  |
| Datasheets:         | <div>PDF</div> <div>1.ATSAMG53G19B-UUT.pdf</div> <div>PDF</div> <div>2.ATSAMG53G19B-UUT.pdf</div> |
| RoHs Status         | <div>RoHS</div> <div>Lead free / RoHS Compliant</div>                                             |
| Stock Condition     | 35530 pcs stock                                                                                   |
| Ship From           | Hong Kong                                                                                         |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                             |

REQUEST FOR QUOTATION

Specifications of ATSAMG53G19B-UUT

|                                  |                                                                                                     |
|----------------------------------|-----------------------------------------------------------------------------------------------------|
| PART NUMBER                      | ATSAMG53G19B-UUT                                                                                    |
| MANUFACTURER                     | Micrel / Microchip Technology                                                                       |
| DESCRIPTION                      | IC MCU 32BIT 512KB FLASH 49WLCSP                                                                    |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                          |
| QUANTITY AVAILABLE               | 35530 pcs                                                                                           |
| DATA SHEET                       | <div>PDF</div> <div>1.ATSAMG53G19B-UUT.pdf</div> <div>PDF</div> <div>2.ATSAMG53G19B-UUT.pdf</div>   |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.62 V ~ 3.6 V                                                                                      |
| SUPPLIER DEVICE PACKAGE          | 49-WLCSP (2.84x2.84)                                                                                |
| SPEED                            | 48MHz                                                                                               |
| SERIES                           | SAM G53                                                                                             |
| RAM SIZE                         | 96K x 8                                                                                             |
| PROGRAM MEMORY TYPE              | FLASH                                                                                               |
| PROGRAM MEMORY SIZE              | 512KB (512K x 8)                                                                                    |
| PERIPHERALS                      | DMA, I²S, POR, PWM, WDT                                                                             |
| PACKAGING                        | Tape & Reel (TR)                                                                                    |
| PACKAGE / CASE                   | 49-WFBGA, WLCSP                                                                                     |
| OTHER NAMES                      | ATSAMG53G19B-UUTTR                                                                                  |
| OSCILLATOR TYPE                  | Internal                                                                                            |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                                                   |
| NUMBER OF I/O                    | 38                                                                                                  |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                       |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                          |
| EEPROM SIZE                      | -                                                                                                   |
| DETAILED DESCRIPTION             | ARM® Cortex®-M4 SAM G53 Microcontroller IC 32-Bit 48MHz 512KB (512K x 8) FLASH 49-WLCSP (2.84x2.84) |
| DATA CONVERTERS                  | A/D 8x12b                                                                                           |
| CORE SIZE                        | 32-Bit                                                                                              |
| CORE PROCESSOR                   | ARM® Cortex®-M4                                                                                     |
| CONNECTIVITY                     | I²C, SPI, UART/USART                                                                                |
| BASE PART NUMBER                 | ATSAMG53G19                                                                                         |

Related Tags

|                                                |                                        |                                                         |
|------------------------------------------------|----------------------------------------|---------------------------------------------------------|
| Micrel / Microchip Technology ATSAMG53G19B-UUT | ATSAMG53G19B-UUT Distributor           | ATSAMG53G19B-UUT Supplier                               |
| ATSAMG53G19B-UUT Price                         | ATSAMG53G19B-UUT Pictures              | ATSAMG53G19B-UUT Image                                  |
| ATSAMG53G19B-UUT PDF Datasheet                 | ATSAMG53G19B-UUT Download Datasheet    | ATSAMG53G19B-UUT Datasheet                              |
| ATSAMG53G19B-UUT Stock                         | Buy ATSAMG53G19B-UUT                   | Buy Micrel / Microchip Technology ATSAMG53G19B-UUT      |
| Micrel / Microchip Technology ATSAMG53G19B-UUT | Micrel / Microchip Technology Supplier | Micrel / Microchip Technology Distributor               |
| Micrel / Microchip Technology ATSAMG53G19B-UUT | Microchip Technology ATSAMG53G19B-UUT  | Roving Networks / Microchip Technology ATSAMG53G19B-UUT |

Related Products

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| <div>  <b>MICROCHIP</b> </div> <div> <b>ATSAMG53G19A-UUT</b><br/>           Manufacturers: Micrel / Microchip Technology<br/>           Description: IC MCU 32BIT 512KB FLASH 49WLCSP<br/>           In stock: 40314 pcs         </div> <div>RFQ</div> | <div>  <b>MICROCHIP</b> </div> <div> <b>ATSAMG53G19A-UUT</b><br/>           Manufacturers: Microchip Technology<br/>           Description: IC MCU 32BIT 512KB FLASH 49WLCSP<br/>           In stock: 39159 pcs         </div> <div>RFQ</div>          |
| <div>  <b>MICROCHIP</b> </div> <div> <b>ATSAMG51N18A-AU</b><br/>           Manufacturers: Micrel / Microchip Technology<br/>           Description: IC MCU 32BIT 256KB FLASH 100LQFP<br/>           In stock: 39909 pcs         </div> <div>RFQ</div>  | <div>  <b>MICROCHIP</b> </div> <div> <b>ATSAMG54G19B-UUT</b><br/>           Manufacturers: Micrel / Microchip Technology<br/>           Description: IC MCU 32BIT 512KB FLASH 49WLCSP<br/>           In stock: 33546 pcs         </div> <div>RFQ</div> |
| <div>  <b>MICROCHIP</b> </div> <div> <b>ATSAMG54G19B-UUT</b><br/>           Manufacturers: Microchip Technology<br/>           Description: IC MCU 32BIT 512KB FLASH 49WLCSP<br/>           In stock: 33435 pcs         </div> <div>RFQ</div>          | <div>  <b>MICROCHIP</b> </div> <div> <b>ATSAMG54N19B-AU</b><br/>           Manufacturers: Micrel / Microchip Technology<br/>           Description: IC MCU 32BIT 512KB FLASH 100LQFP<br/>           In stock: 29712 pcs         </div> <div>RFQ</div>  |
| <div>  <b>MICROCHIP</b> </div> <div> <b>ATSAMG53N19A-AU</b><br/>           Manufacturers: Micrel / Microchip Technology<br/>           Description: IC MCU 32BIT 512KB FLASH 100LQFP<br/>           In stock: 33931 pcs         </div> <div>RFQ</div>  | <div>  </div> <div> <b>ATSAMG53-XPRO</b><br/>           Manufacturers: Micrel / Microchip Technology<br/>           Description: SAMG53 XPLAINED PRO EVAL KIT<br/>           In stock: 2811 pcs         </div> <div>RFQ</div>                          |
| <div>  <b>MICROCHIP</b> </div> <div> <b>ATSAMG51G18A-UUT</b><br/>           Manufacturers: Micrel / Microchip Technology<br/>           Description: IC MCU 32Bit 256KB FLASH 49WLCSP<br/>           In stock: 34150 pcs         </div> <div>RFQ</div> | <div>  <b>MICROCHIP</b> </div> <div> <b>ATSAMG53N19B-AU</b><br/>           Manufacturers: Micrel / Microchip Technology<br/>           Description: IC MCU 32BIT 512KB FLASH 100LQFP<br/>           In stock: 46968 pcs         </div> <div>RFQ</div>  |
| <div>  <b>MICROCHIP</b> </div> <div> <b>ATSAMG53G19B-UUT</b><br/>           Manufacturers: Microchip Technology<br/>           Description: IC MCU 32BIT 512KB FLASH 49WLCSP<br/>           In stock: 28237 pcs         </div> <div>RFQ</div>          | <div>  </div> <div> <b>ATSAMG55-XPRO</b><br/>           Manufacturers: Micrel / Microchip Technology<br/>           Description: SAMG55 XPLAINED PRO KIT<br/>           In stock: 1932 pcs         </div> <div>RFQ</div>                               |