



**Micrel / Microchip Technology**



Image may be representation. See specifications for product details.

**ATSAMDA1G15B-MBT**

|                     |                                                                                                                        |
|---------------------|------------------------------------------------------------------------------------------------------------------------|
| Part Number:        | ATSAMDA1G15B-MBT                                                                                                       |
| Manufacturer/Brand: | Micrel / Microchip Technology                                                                                          |
| Product description | 48 QFN 5X5X0.9MM                                                                                                       |
| Datasheets:         |  <a href="#">ATSAMDA1G15B-MBT.pdf</a> |
| RoHs Status         |  Lead free / RoHS Compliant           |
| Stock Condition     | 41965 pcs stock                                                                                                        |
| Ship From           | Hong Kong                                                                                                              |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                                  |

REQUEST FOR QUOTATION

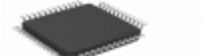
Specifications of ATSAMDA1G15B-MBT

|                                  |                                                                                                                          |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | ATSAMDA1G15B-MBT                                                                                                         |
| MANUFACTURER                     | Micrel / Microchip Technology                                                                                            |
| DESCRIPTION                      | 48 QFN 5X5X0.9MM                                                                                                         |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                               |
| QUANTITY AVAILABLE               | 41965 pcs                                                                                                                |
| DATA SHEET                       |  <a href="#">ATSAMDA1G15B-MBT.pdf</a> |
| VOLTAGE - SUPPLY (VCC/VDD)       | 2.7 V ~ 3.63 V                                                                                                           |
| SUPPLIER DEVICE PACKAGE          | 48-QFN (7x7)                                                                                                             |
| SPEED                            | 48MHz                                                                                                                    |
| SERIES                           | SAM DA1                                                                                                                  |
| RAM SIZE                         | 4K x 8                                                                                                                   |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                                    |
| PROGRAM MEMORY SIZE              | 32KB (32K x 8)                                                                                                           |
| PERIPHERALS                      | Brown-out Detect/Reset, DMA, I²S, POR, PWM, WDT                                                                          |
| PACKAGING                        | Tape & Reel (TR)                                                                                                         |
| PACKAGE / CASE                   | 48-VFQFN Exposed Pad                                                                                                     |
| OTHER NAMES                      | ATSAMDA1G15B-MBTTR                                                                                                       |
| OSCILLATOR TYPE                  | Internal                                                                                                                 |
| OPERATING TEMPERATURE            | -40°C ~ 105°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®-M0+ SAM DA1 Microcontroller IC 32-Bit 48MHz 32KB (32K x 8) FLASH 48-QFN (7x7)                               |
| DATA CONVERTERS                  | A/D 14x12b, D/A 1x10b                                                                                                    |
| CORE SIZE                        | 32-Bit                                                                                                                   |
| CORE PROCESSOR                   | ARM® Cortex®-M0+                                                                                                         |
| CONNECTIVITY                     | I²C, SCI, SPI, UART/USART, USB                                                                                           |

Related Tags

|                                                |                                        |                                                         |
|------------------------------------------------|----------------------------------------|---------------------------------------------------------|
| Micrel / Microchip Technology ATSAMDA1G15B-MBT | ATSAMDA1G15B-MBT Distributor           | ATSAMDA1G15B-MBT Supplier                               |
| ATSAMDA1G15B-MBT Price                         | ATSAMDA1G15B-MBT Pictures              | ATSAMDA1G15B-MBT Image                                  |
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| Micrel / Microchip Technology ATSAMDA1G15B-MBT | Microchip Technology ATSAMDA1G15B-MBT  | Roving Networks / Microchip Technology ATSAMDA1G15B-MBT |

Related Products

|                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                       |
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|  <div> <b>ATSAMDA1G16B-MBT</b> </div> <div>           Manufacturers: Micrel / Microchip Technology<br/>           Description: 48 QFN 5X5X0.9MM<br/>           In stock: 38290 pcs         </div> <div>           RFQ         </div>              |  <div> <b>ATSAMDA1G14B-MBT</b> </div> <div>           Manufacturers: Micrel / Microchip Technology<br/>           Description: 48 QFN 5X5X0.9MM<br/>           In stock: 40668 pcs         </div> <div>           RFQ         </div>               |
|  <div> <b>ATSAMDA1J14B-ABT</b> </div> <div>           Manufacturers: Micrel / Microchip Technology<br/>           Description: 64 TQFP 7X7X1.0MM<br/>           In stock: 41445 pcs         </div> <div>           RFQ         </div>             |  <div> <b>ATSAME51J18A-AU</b> </div> <div>           Manufacturers: Micrel / Microchip Technology<br/>           Description: IC MCU 32BIT 256KB FLASH 64TQFP<br/>           In stock: 25261 pcs         </div> <div>           RFQ         </div> |
|  <div> <b>ATSAMDA1J16B-ABT</b> </div> <div>           Manufacturers: Micrel / Microchip Technology<br/>           Description: 64 TQFP 7X7X1.0MM<br/>           In stock: 34789 pcs         </div> <div>           RFQ         </div>             |  <div> <b>ATSAMDA1G15B-ABT</b> </div> <div>           Manufacturers: Micrel / Microchip Technology<br/>           Description: 48 TQFP 7X7X1.0MM<br/>           In stock: 34680 pcs         </div> <div>           RFQ         </div>              |
|  <div> <b>ATSAMDA1G16B-ABT</b> </div> <div>           Manufacturers: Micrel / Microchip Technology<br/>           Description: 48 TQFP 7X7X1.0MM<br/>           In stock: 35595 pcs         </div> <div>           RFQ         </div>             |  <div> <b>ATSAMDA1G14B-ABT</b> </div> <div>           Manufacturers: Micrel / Microchip Technology<br/>           Description: 48 TQFP 7X7X1.0MM<br/>           In stock: 47085 pcs         </div> <div>           RFQ         </div>              |
|  <div> <b>ATSAMDA1E16B-ABT</b> </div> <div>           Manufacturers: Micrel / Microchip Technology<br/>           Description: 32 TQFP 7X7X1.0MM<br/>           In stock: 34204 pcs         </div> <div>           RFQ         </div>             |  <div> <b>ATSAMDA1E15B-MBT</b> </div> <div>           Manufacturers: Micrel / Microchip Technology<br/>           Description: IC MCU 32BIT 32KB FLASH 32QFN<br/>           In stock: 46699 pcs         </div> <div>           RFQ         </div>  |
|  <div> <b>ATSAMDA1E16B-MBT</b> </div> <div>           Manufacturers: Micrel / Microchip Technology<br/>           Description: IC MCU 32BIT 64KB FLASH 32QFN<br/>           In stock: 32884 pcs         </div> <div>           RFQ         </div> |  <div> <b>ATSAMDA1J15B-ABT</b> </div> <div>           Manufacturers: Micrel / Microchip Technology<br/>           Description: 64 TQFP 7X7X1.0MM<br/>           In stock: 36035 pcs         </div> <div>           RFQ         </div>              |