



Micrel / Microchip Technology



## ATSAMHA1G16A-MBT-BVAO

|                     |                                                                                                                             |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Part Number:        | ATSAMHA1G16A-MBT-BVAO                                                                                                       |
| Manufacturer/Brand: | Micrel / Microchip Technology                                                                                               |
| Product description | SAMDA0&ATA663242                                                                                                            |
| Datasheets:         |  <a href="#">ATSAMHA1G16A-MBT-BVAO.pdf</a> |
| RoHs Status         |  Lead free / RoHS Compliant                |
| Stock Condition     | 4499 pcs stock                                                                                                              |
| Ship From           | Hong Kong                                                                                                                   |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                                       |

REQUEST FOR QUOTATION

### Specifications of ATSAMHA1G16A-MBT-BVAO

|                                  |                                                                                                                               |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | ATSAMHA1G16A-MBT-BVAO                                                                                                         |
| MANUFACTURER                     | Micrel / Microchip Technology                                                                                                 |
| DESCRIPTION                      | SAMDA0&ATA663242                                                                                                              |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                    |
| QUANTITY AVAILABLE               | 4499 pcs                                                                                                                      |
| DATA SHEET                       |  <a href="#">ATSAMHA1G16A-MBT-BVAO.pdf</a> |
| VOLTAGE - SUPPLY (VCC/VDD)       | 0 V ~ 3.8 V                                                                                                                   |
| SPEED                            | 48MHz                                                                                                                         |
| SERIES                           | Automotive, AEC-Q100, SAM HA1                                                                                                 |
| RAM SIZE                         | 8K x 8                                                                                                                        |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                                         |
| PROGRAM MEMORY SIZE              | 64KB (64K x 8)                                                                                                                |
| PERIPHERALS                      | Brown-out Detect/Reset, DMA, POR, PWM, WDT                                                                                    |
| OSCILLATOR TYPE                  | Internal                                                                                                                      |
| OPERATING TEMPERATURE            | -40°C ~ 105°C (TC)                                                                                                            |
| NUMBER OF I/O                    | 32                                                                                                                            |
| MOISTURE SENSITIVITY LEVEL (MSL) | 1 (Unlimited)                                                                                                                 |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                    |
| EEPROM SIZE                      | 2K x 8                                                                                                                        |
| DETAILED DESCRIPTION             | ARM® Cortex®-M0+ Automotive, AEC-Q100, SAM HA1 Microcontroller IC 32-Bit 48MHz 64KB (64K x 8) FLASH                           |
| DATA CONVERTERS                  | A/D 13x12b, D/A 1x10b                                                                                                         |
| CORE SIZE                        | 32-Bit                                                                                                                        |
| CORE PROCESSOR                   | ARM® Cortex®-M0+                                                                                                              |
| CONNECTIVITY                     | I²C, LINbus SBC, SPI, UART/USART                                                                                              |

### Related Tags

|                                                     |                                            |                                                              |
|-----------------------------------------------------|--------------------------------------------|--------------------------------------------------------------|
| Micrel / Microchip Technology ATSAMHA1G16A-MBT-BVAO | ATSAMHA1G16A-MBT-BVAO Distributor          | ATSAMHA1G16A-MBT-BVAO Supplier                               |
| ATSAMHA1G16A-MBT-BVAO Price                         | ATSAMHA1G16A-MBT-BVAO Pictures             | ATSAMHA1G16A-MBT-BVAO Image                                  |
| ATSAMHA1G16A-MBT-BVAO PDF Datasheet                 | ATSAMHA1G16A-MBT-BVAO Download Datasheet   | ATSAMHA1G16A-MBT-BVAO Datasheet                              |
| ATSAMHA1G16A-MBT-BVAO Stock                         | Buy ATSAMHA1G16A-MBT-BVAO                  | Buy Micrel / Microchip Technology ATSAMHA1G16A-MBT-BVAO      |
| Micrel / Microchip Technology ATSAMHA1G16A-MBT-BVAO | Micrel / Microchip Technology Supplier     | Micrel / Microchip Technology Distributor                    |
| Micrel / Microchip Technology ATSAMHA1G16A-MBT-BVAO | Microchip Technology ATSAMHA1G16A-MBT-BVAO | Roving Networks / Microchip Technology ATSAMHA1G16A-MBT-BVAO |

### Related Products

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| <div></div> <div><b>ATSAML10D14A-YF</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 16KB FLASH 24SSOP<br/>In stock: 50684 pcs</div> <div>RFQ</div>  | <div></div> <div><b>ATSAMHA1E16A-MBT-BVAO</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: SAMDA0&amp;ATA663239<br/>In stock: 6213 pcs</div> <div>RFQ</div>       |
| <div></div> <div><b>ATSAMHA1G15A-MBT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC SBC LIN MCU 32KB FLASH 48QFN<br/>In stock: 6580 pcs</div> <div>RFQ</div> | <div></div> <div><b>ATSAMHA1G16A-XPRO</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: SAMHA1G16A XPLAINED PRO EVA<br/>In stock: 1986 pcs</div> <div>RFQ</div>    |
| <div></div> <div><b>ATSAMHA1G14A-MBT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC SBC LIN MCU 16KB FLASH 48QFN<br/>In stock: 5116 pcs</div> <div>RFQ</div> | <div></div> <div><b>ATSAML10D14A-MFT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 16KB FLASH 24VQFN<br/>In stock: 71194 pcs</div> <div>RFQ</div> |
| <div></div> <div><b>ATSAMHA1G15A-MBT-BVAO</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: SAMDA0&amp;ATA663241<br/>In stock: 5756 pcs</div> <div>RFQ</div>       | <div></div> <div><b>ATSAMHA1E15A-MBT-BVAO</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: SAMDA0&amp;ATA663238<br/>In stock: 6794 pcs</div> <div>RFQ</div>       |
| <div></div> <div><b>ATSAML10D14A-MU</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 16KB FLASH 24VQFN<br/>In stock: 59973 pcs</div> <div>RFQ</div>  | <div></div> <div><b>ATSAMHA1G14A-MBT-BVAO</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: SAMDA0&amp;ATA663240<br/>In stock: 4514 pcs</div> <div>RFQ</div>       |
| <div></div> <div><b>ATSAML10D14A-MUT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 16KB FLASH 24VQFN<br/>In stock: 62048 pcs</div> <div>RFQ</div> | <div></div> <div><b>ATSAML10D14A-MF</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 16KB FLASH 24VQFN<br/>In stock: 60481 pcs</div> <div>RFQ</div>  |