

ATSAMHA1G14A-MBT-BVAO



Part Number: [ATSAMHA1G14A-MBT-BVAO](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: SAMDA0&ATA663240

Data sheet:  [ATSAMHxGxxA](#)

RoHs Status: Lead free / RoHS Compliant

Ship From: Hong Kong

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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                     |                                  |                                               |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|----------------------------------|-----------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | ATSAMHA1G14A-MBT-BVAO                                                                               | Manufacturer                     | <a href="#">Micrel / Microchip Technology</a> |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | SAMDA0&ATA663240                                                                                    | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                    |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 4299 pcs                                                                                            | Data sheet                       | <a href="#">ATSAMHxGxxA</a>                   |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <a href="#">Integrated Circuits (ICs)</a>                                                           | Voltage - Supply (Vcc/Vdd)       | 0 V ~ 3.8 V                                   |
| Speed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 48MHz                                                                                               | Series                           | Automotive, AEC-Q100, SAM HA1                 |
| RAM Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 4K x 8                                                                                              | Program Memory Type              | FLASH                                         |
| Program Memory Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 16KB (16K 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                      | 512 x 8                                       |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | ARM® Cortex®-M0+ Automotive, AEC-Q100, SAM HA1 Microcontroller IC 32-Bit 48MHz 16KB (16K 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                                                                    |                                  |                                               |
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| RELATED PRODUCTS                                                                   |                                                                                         |                                                              |                |
|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|--------------------------------------------------------------|----------------|
|  | Part#: <a href="#">ATSAML10D14A-YF</a><br>Description: IC MCU 32BIT 16KB FLASH 24SSOP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAML10D14A-MU</a><br>Description: IC MCU 32BIT 16KB FLASH 24VQFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAMHA0G15A-MZT-BVAO</a><br>Description: SAMDA0&ATA663235           | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAMHA1G15A-MBT-BVAO</a><br>Description: SAMDA0&ATA663241           | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAMHA1E16A-MBT-BVAO</a><br>Description: SAMDA0&ATA663239           | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAMHA1E15A-MBT-BVAO</a><br>Description: SAMDA0&ATA663238           | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAMHA0E15A-MZT-BVAO</a><br>Description: SAMDA0&ATA663232           | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAMHA1G16A-MBT-BVAO</a><br>Description: SAMDA0&ATA663242           | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAMHA0G16A-MZT-BVAO</a><br>Description: SAMDA0&ATA663236           | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAMHA1G15A-MBT</a><br>Description: IC SBC LIN MCU 32KB FLASH 48QFN | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAMHA0G14A-MZT-BVAO</a><br>Description: SAMDA0&ATA663234           | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAMHA1E14A-MBT-BVAO</a><br>Description: SAMDA0&ATA663237           | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAML10D14A-MF</a><br>Description: IC MCU 32BIT 16KB FLASH 24VQFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAMHA0E14A-MZT-BVAO</a><br>Description: SAMDA0&ATA663231           | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAMHA1G14A-MBT</a><br>Description: IC SBC LIN MCU 16KB FLASH 48QFN | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAMHA1G16A-XPRO</a><br>Description: SAMHA1G16A XPLAINED PRO EVA    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAML10D14A-MFT</a><br>Description: IC MCU 32BIT 16KB FLASH 24VQFN  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAMHA0E16A-MZT-BVAO</a><br>Description: SAMDA0&ATA663233           | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAML10D14A-YFT</a><br>Description: IC MCU 32BIT 16KB FLASH 24SSOP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAML10D14A-MUT</a><br>Description: IC MCU 32BIT 16KB FLASH 24VQFN  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |

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|-----------------------------------------------------|-----------------------------------------------------|--------------------------------------------|--------------------------------------------------------------|
| Related keywords for <b>ATSAMHA1G14A-MBT-BVAO</b>   |                                                     |                                            |                                                              |
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|                                                     | ATSAMHA1G14A-MBT-BVAO download datasheet            | ATSAMHA1G14A-MBT-BVAO datasheet            | ATSAMHA1G14A-MBT-BVAO stock                                  |
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