




Micrel / Microchip Technology

## ATSAMHA1G15A-MBT

Part Number:	ATSAMHA1G15A-MBT
Manufacturer/Brand:	Micrel / Microchip Technology
Product description:	IC SBC LIN MCU 32KB FLASH 48QFN
Datasheets:	<a href="#">PDF</a> ATSAMHA1G15A-MBT.pdf
RoHS Status:	 Lead free / RoHS Compliant
Ship From:	Hong Kong
Shipment Way:	DHL/Fedex/TNT/UPS/EMS



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Image may be representation. See specifications for product details.

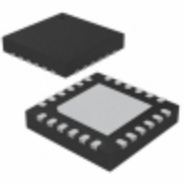




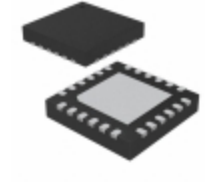


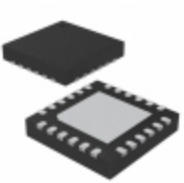



### Specifications of ATSAMHA1G15A-MBT

PART NUMBER	ATSAMHA1G15A-MBT
MANUFACTURER	Micrel / Microchip Technology
DESCRIPTION	IC SBC LIN MCU 32KB FLASH 48QFN
LEAD FREE STATUS / ROHS STATUS	Lead free / RoHS Compliant
DATA SHEET	<a href="#">PDF</a> ATSAMHA1G15A-MBT.pdf
VOLTAGE - SUPPLY (VCC/VDD)	0 V ~ 3.8 V
SUPPLIER DEVICE PACKAGE	48-VQFN (7x7)
SPEED	48MHz
SERIES	Automotive, AEC-Q100, SAM HA1
RAM SIZE	4K x 8
PROGRAM MEMORY TYPE	FLASH
PROGRAM MEMORY SIZE	32KB (32K x 8)
PERIPHERALS	Brown-out Detect/Reset, DMA, POR, PWM, WDT
PACKAGING	Tape & Reel (TR)
PACKAGE / CASE	48-VFQFN Exposed Pad
OSCILLATOR TYPE	Internal
OPERATING TEMPERATURE	-40°C ~ 105°C (TC)
NUMBER OF I/O	32
MOISTURE SENSITIVITY LEVEL (MSL)	3 (168 Hours)
LEAD FREE STATUS / ROHS STATUS	Lead free / RoHS Compliant
EEPROM SIZE	1K x 8
DETAILED DESCRIPTION	ARM® Cortex®-M0+ Automotive, AEC-Q100, SAM HA1 Microcontroller IC 32-Bit 48MHz 32KB (32K x 8) FLASH 48-VQFN (7x7)
DATA CONVERTERS	A/D 13x12b, D/A 1x10b
CORE SIZE	32-Bit
CORE PROCESSOR	ARM® Cortex®-M0+
CONNECTIVITY	I <sup>2</sup> C, LINbus SBC, SPI, UART/USART

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