

ATSAMHA1G15A-MBT



Part Number: [ATSAMHA1G15A-MBT](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC SBC LIN MCU 32KB FLASH 48QFN

Data sheet:  [SAMHA1A](#)

RoHs Status: Lead free / RoHS Compliant

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PRODUCT PARAMETER			
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
Quantity Available	5812 pcs	Data sheet	SAMHA1A
Category	Integrated Circuits (ICs)	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-VQFN 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	I²C, LINbus SBC, SPI, UART/USART
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