





Micrel / Microchip Technology


## ATSAM4SA16BB-MN

Part Number:	ATSAM4SA16BB-MN
Manufacturer/Brand:	Micrel / Microchip Technology
Product description:	FLASH,160K SRAM
Datasheets:	 <a href="#">ATSAM4SA16BB-MN.pdf</a>
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.



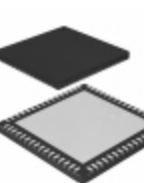



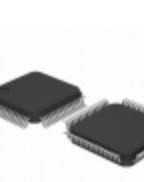
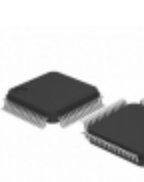
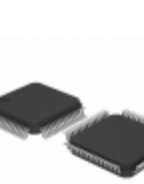

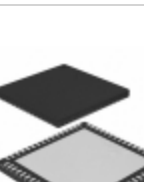

### Specifications of ATSAM4SA16BB-MN

PART NUMBER	ATSAM4SA16BB-MN
MANUFACTURER	Micrel / Microchip Technology
DESCRIPTION	FLASH,160K SRAM
LEAD FREE STATUS / ROHS STATUS	Lead free / RoHS Compliant
DATA SHEET	 <a href="#">ATSAM4SA16BB-MN.pdf</a>
VOLTAGE - SUPPLY (VCC/VDD)	1.62 V ~ 3.6 V
SUPPLIER DEVICE PACKAGE	64-VQFN (9x9)
SPEED	120MHz
SERIES	SAM4S
RAM SIZE	160K x 8
PROGRAM MEMORY TYPE	FLASH
PROGRAM MEMORY SIZE	1MB (1M x 8)
PERIPHERALS	Brown-out Detect/Reset, DMA, POR, PWM, WDT
PACKAGING	Tray
PACKAGE / CASE	64-VFQFN Exposed Pad
OSCILLATOR TYPE	Internal
OPERATING TEMPERATURE	-40°C ~ 105°C (TA)
NUMBER OF I/O	47
MOISTURE SENSITIVITY LEVEL (MSL)	3 (168 Hours)
MANUFACTURER STANDARD LEAD TIME	16 Weeks
LEAD FREE STATUS / ROHS STATUS	Lead free / RoHS Compliant
EEPROM SIZE	-
DETAILED DESCRIPTION	ARM® Cortex®-M4 SAM4S Microcontroller IC 32-Bit 120MHz 1MB (1M x 8) FLASH 64-VQFN (9x9)
DATA CONVERTERS	A/D 11x12b, D/A 2x12b
CORE SIZE	32-Bit
CORE PROCESSOR	ARM® Cortex®-M4
CONNECTIVITY	I <sup>2</sup> C, IrDA, Memory Card, SPI, SSC, UART/USART, USB

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 <p><b>ATSAM4SA16CA-AN</b> Manufacturers: Micrel / Microchip Technology Description: IC MCU 32BIT 1MB FLASH 100LQFP In stock: Out stock <a href="#">RFQ</a></p>	 <p><b>ATSAM4SA16BA-MUR</b> Manufacturers: Microchip Technology Description: IC MCU 32BIT 1MB FLASH 64QFN In stock: 70 pcs <a href="#">RFQ</a></p>
 <p><b>ATSAM4SA16BA-MUR</b> Manufacturers: Micrel / Microchip Technology Description: IC MCU 32BIT 1MB FLASH 64QFN In stock: 64 pcs <a href="#">RFQ</a></p>	 <p><b>ATSAM4SA16CA-AUR</b> Manufacturers: Microchip Technology Description: IC MCU 32BIT 1MB FLASH 100LQFP In stock: 674 pcs <a href="#">RFQ</a></p>
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