



Micrel / Microchip Technology

## ATSAMV71N20B-CBT

Part Number:	ATSAMV71N20B-CBT
Manufacturer/Brand:	Micrel / Microchip Technology
Product description:	FLASH, 384KB SRAM
Datasheets:	<a href="#">1.ATSAMV71N20B-CBT.pdf</a> <a href="#">2.ATSAMV71N20B-CBT.pdf</a>
RoHs Status:	Lead free / RoHS Compliant
Stock Condition:	9090 pcs stock
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 ATSAMV71N20B-CBT

PART NUMBER	ATSAMV71N20B-CBT
MANUFACTURER	Micrel / Microchip Technology
DESCRIPTION	FLASH, 384KB SRAM
LEAD FREE STATUS / ROHS STATUS	Lead free / RoHS Compliant
QUANTITY AVAILABLE	9090 pcs
DATA SHEET	<a href="#">1.ATSAMV71N20B-CBT.pdf</a> <a href="#">2.ATSAMV71N20B-CBT.pdf</a>
VOLTAGE - SUPPLY (VCC/VDD)	3 V ~ 3.6 V
SUPPLIER DEVICE PACKAGE	100-TFBGA (9x9)
SPEED	300MHz
SERIES	Automotive, AEC-Q100, SAM V71
RAM SIZE	384K x 8
PROGRAM MEMORY TYPE	FLASH
PROGRAM MEMORY SIZE	1MB (1M x 8)
PERIPHERALS	Brown-out Detect/Reset, DMA, I <sup>2</sup> S, POR, PWM, WDT
PACKAGING	Tape & Reel (TR)
PACKAGE / CASE	100-TFBGA
OTHER NAMES	ATSAMV71N20B-CBT-TR
OSCILLATOR TYPE	Internal
OPERATING TEMPERATURE	-40°C ~ 105°C (TA)
NUMBER OF I/O	75
MOISTURE SENSITIVITY LEVEL (MSL)	3 (168 Hours)
LEAD FREE STATUS / ROHS STATUS	Lead free / RoHS Compliant
EEPROM SIZE	-
DETAILED DESCRIPTION	ARM® Cortex®-M7 Automotive, AEC-Q100, SAM V71 Microcontroller IC 32-Bit 300MHz 1MB (1M x 8) FLASH 100-TFBGA (9x9)
DATA CONVERTERS	A/D 10x12b, D/A 2x12b
CORE SIZE	32-Bit
CORE PROCESSOR	ARM® Cortex®-M7
CONNECTIVITY	CANbus, Ethernet, I <sup>2</sup> C, IrDA, LINbus, MMC/SD/SDIO, QSPI, SPI, SSC, UART/USART, USB

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### Related Products

<p><b>ATSAMV71N19B-CBT</b>                  Manufacturers: Micrel / Microchip Technology                  Description: FLASH RAM                  In stock: 10399 pcs  <a href="#">RFQ</a></p>	<p><b>ATSAMV71N21B-CBT</b>                  Manufacturers: Micrel / Microchip Technology                  Description: FLASH, 384KB SRAM                  In stock: 5782 pcs  <a href="#">RFQ</a></p>
<p><b>ATSAMV71N21B-CB</b>                  Manufacturers: Micrel / Microchip Technology                  Description: FLASH, 384KB SRAM                  In stock: 7193 pcs  <a href="#">RFQ</a></p>	<p><b>ATSAMV71Q19B-AAB</b>                  Manufacturers: Micrel / Microchip Technology                  Description: FLASH, 256KB SRAM                  In stock: 8357 pcs  <a href="#">RFQ</a></p>
<p><b>ATSAMV71N20B-CB</b>                  Manufacturers: Micrel / Microchip Technology                  Description: FLASH, 384KB SRAM                  In stock: 8229 pcs  <a href="#">RFQ</a></p>	<p><b>ATSAMV71N20B-AABT</b>                  Manufacturers: Micrel / Microchip Technology                  Description: FLASH, 384KB SRAM                  In stock: 9929 pcs  <a href="#">RFQ</a></p>
<p><b>ATSAMV71Q19B-CB</b>                  Manufacturers: Micrel / Microchip Technology                  Description: FLASH, 256KB SRAM                  In stock: 7469 pcs  <a href="#">RFQ</a></p>	<p><b>ATSAMV71N21B-AABT</b>                  Manufacturers: Micrel / Microchip Technology                  Description: FLASH, 384KB SRAM                  In stock: 8845 pcs  <a href="#">RFQ</a></p>
<p><b>ATSAMV71N19B-CB</b>                  Manufacturers: Micrel / Microchip Technology                  Description: FLASH SRAM                  In stock: 8531 pcs  <a href="#">RFQ</a></p>	<p><b>ATSAMV71N20B-AAB</b>                  Manufacturers: Micrel / Microchip Technology                  Description: FLASH, 384KB SRAM                  In stock: 8172 pcs  <a href="#">RFQ</a></p>
<p><b>ATSAMV71N19B-AABT</b>                  Manufacturers: Micrel / Microchip Technology                  Description: FLASH, 256KB SRAM                  In stock: 12807 pcs  <a href="#">RFQ</a></p>	<p><b>ATSAMV71Q19B-AABT</b>                  Manufacturers: Micrel / Microchip Technology                  Description: FLASH, 256KB SRAM                  In stock: 9593 pcs  <a href="#">RFQ</a></p>

