




Micrel / Microchip Technology

ATSAMD51J18A-AUT

Part Number:	ATSAMD51J18A-AUT
Manufacturer/Brand:	Micrel / Microchip Technology
Product description:	120MHZ 256KB FLASH 64 TQFP PKG I
Datasheets:	1.ATSAMD51J18A-AUT.pdf 2.ATSAMD51J18A-AUT.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.

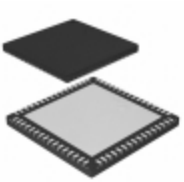
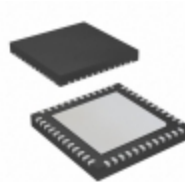

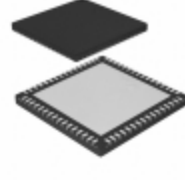

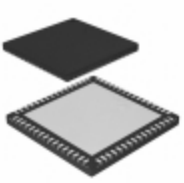
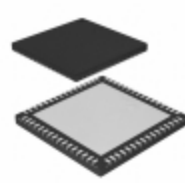
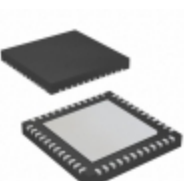
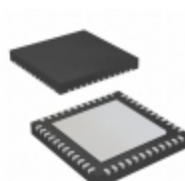

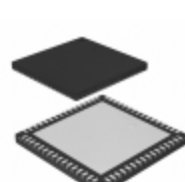
Specifications of ATSAMD51J18A-AUT

PART NUMBER	ATSAMD51J18A-AUT
MANUFACTURER	Micrel / Microchip Technology
DESCRIPTION	120MHZ 256KB FLASH 64 TQFP PKG I
LEAD FREE STATUS / ROHS STATUS	Lead free / RoHS Compliant
DATA SHEET	1.ATSAMD51J18A-AUT.pdf 2.ATSAMD51J18A-AUT.pdf
VOLTAGE - SUPPLY (VCC/VDD)	1.71 V ~ 3.63 V
SUPPLIER DEVICE PACKAGE	64-TQFP (10x10)
SPEED	120MHz
SERIES	SAM D51
RAM SIZE	128K x 8
PROGRAM MEMORY TYPE	FLASH
PROGRAM MEMORY SIZE	256KB (256K x 8)
PERIPHERALS	Brown-out Detect/Reset, DMA, I ² S, POR, PWM
PACKAGING	Tape & Reel (TR)
PACKAGE / CASE	64-TQFP
OTHER NAMES	ATSAMD51J18A-AUTTR
OSCILLATOR TYPE	Internal
OPERATING TEMPERATURE	-40°C ~ 85°C (TA)
NUMBER OF I/O	51
MOISTURE SENSITIVITY LEVEL (MSL)	3 (168 Hours)
MANUFACTURER STANDARD LEAD TIME	13 Weeks
LEAD FREE STATUS / ROHS STATUS	Lead free / RoHS Compliant
EEPROM SIZE	-
DETAILED DESCRIPTION	ARM® Cortex®-M4F SAM D51 Microcontroller IC 32-Bit 120MHz 256KB (256K x 8) FLASH 64-TQFP (10x10)
DATA CONVERTERS	A/D 24x12b, D/A 2x12b
CORE SIZE	32-Bit
CORE PROCESSOR	ARM® Cortex®-M4F
CONNECTIVITY	EBI/EMI, I ² C, IrDA, LINbus, MMC/SD, QSPI, SPI, UART/USART, USB

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 <p>ATSAMD51J19A-MU Manufacturers: Micrel / Microchip Technology Description: 120MHZ 512KB FLASH 64 QFN PKG IN In stock: 446 pcs RFQ</p>	 <p>ATSAMD51G18A-MUT Manufacturers: Micrel / Microchip Technology Description: 120MHZ 256KB FLASH 48 QFN PKG IN In stock: Out stock RFQ</p>
 <p>ATSAMD51J18A-AU Manufacturers: Micrel / Microchip Technology Description: 120MHZ 256KB FLASH 64 TQFP PKG I In stock: 515 pcs RFQ</p>	 <p>ATSAMD21J18A-MUT Manufacturers: Micrel / Microchip Technology Description: IC MCU 32BIT 256KB FLASH 64QFN In stock: Out stock RFQ</p>
 <p>ATSAMD51G19A-MUT Manufacturers: Micrel / Microchip Technology Description: 120MHZ 512KB FLASH 48 QFN PKG IN In stock: Out stock RFQ</p>	 <p>ATSAMD51J19A-AUT Manufacturers: Micrel / Microchip Technology Description: 120MHZ 512KB FLASH 64 TQFP PKG In stock: Out stock RFQ</p>
 <p>ATSAMD51J18A-MUT Manufacturers: Micrel / Microchip Technology Description: 120MHZ 256KB FLASH 64 QFN PKG IN In stock: Out stock RFQ</p>	 <p>ATSAMD51J18A-MU Manufacturers: Micrel / Microchip Technology Description: 120MHZ 256KB FLASH 64 QFN PKG IN In stock: 213 pcs RFQ</p>
 <p>ATSAMD51G18A-MU Manufacturers: Micrel / Microchip Technology Description: 120MHZ 256KB FLASH 48 QFN PKG IN In stock: 640 pcs RFQ</p>	 <p>ATSAMD51G19A-MU Manufacturers: Micrel / Microchip Technology Description: 120MHZ 512KB FLASH 48 QFN PKG IN In stock: 762 pcs RFQ</p>
 <p>ATSAMD51J19A-AU Manufacturers: Micrel / Microchip Technology Description: 120MHZ 512KB FLASH 64 TQFP PKG I In stock: 621 pcs RFQ</p>	 <p>ATSAMD51J19A-MUT Manufacturers: Micrel / Microchip Technology Description: 120MHZ 512KB FLASH 64 QFN PKG IN In stock: Out stock RFQ</p>