



Micrel / Microchip Technology



ATSAMG51N18A-AU

Part Number:	ATSAMG51N18A-AU
Manufacturer/Brand:	Micrel / Microchip Technology
Product description	IC MCU 32BIT 256KB FLASH 100LQFP
Datasheets:	 ATSAMG51N18A-AU.pdf
RoHs Status	 Lead free / RoHS Compliant
Stock Condition	39909 pcs stock
Ship From	Hong Kong
Shipment Way	DHL/Fedex/TNT/UPS/EMS

REQUEST FOR QUOTATION

Image may be representation. See specifications for product details.

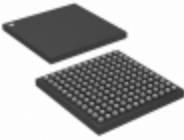
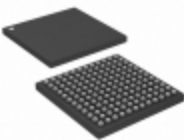
Specifications of ATSAMG51N18A-AU

PART NUMBER	ATSAMG51N18A-AU
MANUFACTURER	Micrel / Microchip Technology
DESCRIPTION	IC MCU 32BIT 256KB FLASH 100LQFP
LEAD FREE STATUS / ROHS STATUS	Lead free / RoHS Compliant
QUANTITY AVAILABLE	39909 pcs
DATA SHEET	 ATSAMG51N18A-AU.pdf
VOLTAGE - SUPPLY (VCC/VDD)	1.62 V ~ 2 V
SUPPLIER DEVICE PACKAGE	100-LQFP (14x14)
SPEED	48MHz
SERIES	SAM G51
RAM SIZE	64K x 8
PROGRAM MEMORY TYPE	FLASH
PROGRAM MEMORY SIZE	256KB (256K x 8)
PERIPHERALS	DMA, POR, PWM, WDT
PACKAGING	Tray
PACKAGE / CASE	100-LQFP
OSCILLATOR TYPE	Internal
OPERATING TEMPERATURE	-40°C ~ 85°C (TA)
NUMBER OF I/O	38
MOISTURE SENSITIVITY LEVEL (MSL)	3 (168 Hours)
LEAD FREE STATUS / ROHS STATUS	Lead free / RoHS Compliant
EEPROM SIZE	-
DETAILED DESCRIPTION	ARM® Cortex®-M4 SAM G51 Microcontroller IC 32-Bit 48MHz 256KB (256K x 8) FLASH 100-LQFP (14x14)
DATA CONVERTERS	A/D 8x12b
CORE SIZE	32-Bit
CORE PROCESSOR	ARM® Cortex®-M4
CONNECTIVITY	I²C, SPI, UART/USART
BASE PART NUMBER	ATSAMG51N18

Related Tags

Micrel / Microchip Technology ATSAMG51N18A-AU	ATSAMG51N18A-AU Distributor	ATSAMG51N18A-AU Supplier
ATSAMG51N18A-AU Price	ATSAMG51N18A-AU Pictures	ATSAMG51N18A-AU Image
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Related Products

 ATSAMG53-XPRO Manufacturers: Micrel / Microchip Technology Description: SAMG53 XPLAINED PRO EVAL KIT In stock: 2811 pcs RFQ	 ATSAME70Q21B-CFN Manufacturers: Micrel / Microchip Technology Description: IC MCU 32BIT 2MB FLASH 144UFBGA In stock: 6223 pcs RFQ
 ATSAMG53G19B-UUT Manufacturers: Micrel / Microchip Technology Description: IC MCU 32BIT 512KB FLASH 49WLCSP In stock: 35530 pcs RFQ	 ATSAMG53G19A-UUT Manufacturers: Microchip Technology Description: IC MCU 32BIT 512KB FLASH 49WLCSP In stock: 39159 pcs RFQ
 ATSAMG53G19A-UUT Manufacturers: Micrel / Microchip Technology Description: IC MCU 32BIT 512KB FLASH 49WLCSP In stock: 40314 pcs RFQ	 ATSAME70Q21B-CNT Manufacturers: Micrel / Microchip Technology Description: IC MCU 32BIT 2MB FLASH 144LFBGA In stock: 8264 pcs RFQ
 ATSAMG53G19B-UUT Manufacturers: Microchip Technology Description: IC MCU 32BIT 512KB FLASH 49WLCSP In stock: 28237 pcs RFQ	 ATSAMG53N19A-AU Manufacturers: Micrel / Microchip Technology Description: IC MCU 32BIT 512KB FLASH 100LQFP In stock: 33931 pcs RFQ
 ATSAMG51G18A-UUT Manufacturers: Microchip Technology Description: IC MCU 32BIT 256KB FLASH 49WLCSP In stock: 35137 pcs RFQ	 ATSAMG51G18A-UUT Manufacturers: Micrel / Microchip Technology Description: IC MCU 32Bit 256KB FLASH 49WLCSP In stock: 34150 pcs RFQ
 ATSAME70Q21B-CFNT Manufacturers: Micrel / Microchip Technology Description: IC MCU 32BIT 2MB FLASH 144UFBGA In stock: 7101 pcs RFQ	 ATSAME70Q21B-CN Manufacturers: Micrel / Microchip Technology Description: IC MCU 32BIT 2MB FLASH 144LFBGA In stock: 6457 pcs RFQ