

ATSAMG51N18A-AU



Part Number: [ATSAMG51N18A-AU](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC MCU 32BIT 256KB FLASH 100LQFP

Data sheet:  [SAM G51G, SAM G51N Summary](#)
 [SAM G51G, SAM G51N Datasheet](#)

RoHs Status: Lead free / RoHS Compliant

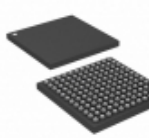
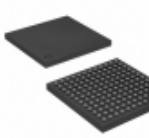
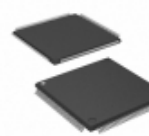
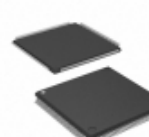
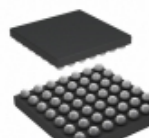
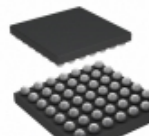
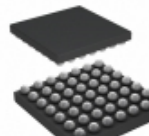
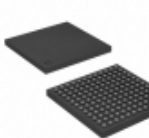
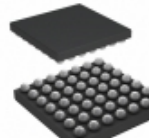
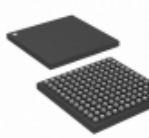
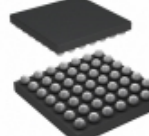
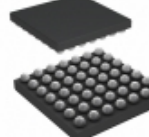
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PRODUCT PARAMETER			
Part Number	ATSAMG51N18A-AU	Manufacturer	Micrel / Microchip Technology
Description	IC MCU 32BIT 256KB FLASH 100LQFP	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	78686 pcs	Data sheet	SAM G51G, SAM G51N Summary SAM G51G, SAM G51N Datasheet
Category	Integrated Circuits (ICs)	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	Other Names	1611-ATSAMG51N18A-AU
Oscillator Type	Internal	Operating Temperature	-40°C ~ 85°C (TA)
Number of I/O	38	Moisture Sensitivity Level (MSL)	3 (168 Hours)
Manufacturer Standard Lead Time	18 Weeks	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
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	Part#: ATSAME70Q21B-ANT Description: IC MCU 32BIT 2MB FLASH 144LQFP	Manufacturers: Micrel / Microchip Technology		RFQ
	Part#: ATSAMG53N19B-AU Description: IC MCU 32BIT 512KB FLASH 100LQFP	Manufacturers: Micrel / Microchip Technology		RFQ
	Part#: ATSAME70Q21A-CFNT Description: IC MCU 32BIT 2MB FLASH 144UFBGA	Manufacturers: Micrel / Microchip Technology		RFQ
	Part#: ATSAMG53N19A-AU Description: IC MCU 32BIT 512KB FLASH 100LQFP	Manufacturers: Micrel / Microchip Technology		RFQ
	Part#: ATSAME70Q21B-AN Description: IC MCU 32BIT 2MB FLASH 144LQFP	Manufacturers: Micrel / Microchip Technology		RFQ
	Part#: ATSAME70Q21B-CFNT Description: IC MCU 32BIT 2MB FLASH 144UFBGA	Manufacturers: Micrel / Microchip Technology		RFQ
	Part#: ATSAMG53G19A-UUT Description: IC MCU 32BIT 512KB FLASH 49WLCSP	Manufacturers: Micrel / Microchip Technology		RFQ
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	Part#: ATSAMG54G19B-UUT Description: IC MCU 32BIT 512KB FLASH 49WLCSP	Manufacturers: Micrel / Microchip Technology		RFQ
	Part#: ATSAMG55-XPRO Description: SAMG55 XPLAINED PRO KIT	Manufacturers: Micrel / Microchip Technology		RFQ
	Part#: ATSAME70Q21B-CNT Description: IC MCU 32BIT 2MB FLASH 144LFBGA	Manufacturers: Micrel / Microchip Technology		RFQ
	Part#: ATSAMG53-XPRO Description: SAMG53 XPLAINED PRO EVAL KIT	Manufacturers: Micrel / Microchip Technology		RFQ
	Part#: ATSAMG55G19A-UUT Description: IC MCU 32BIT 512KB FLASH 49WLCSP	Manufacturers: Micrel / Microchip Technology		RFQ
	Part#: ATSAMG51G18A-UUT Description: IC MCU 32Bit 256KB FLASH 49WLCSP	Manufacturers: Micrel / Microchip Technology		RFQ
	Part#: ATSAMG54N19B-AU Description: IC MCU 32BIT 512KB FLASH 100LQFP	Manufacturers: Micrel / Microchip Technology		RFQ

Related keywords for ATSAMG51N18A-AU

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