

ATSAMD51G19A-MU



Part Number: [ATSAMD51G19A-MU](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: 120MHZ 512KB FLASH 48 QFN PKG IN

Data sheet:  [SAM D5x,E5x Family Datasheet](#)
 [SAM D5x,E5x Family Errata](#)

RoHs Status: Lead free / RoHS Compliant

Ship From: Hong Kong

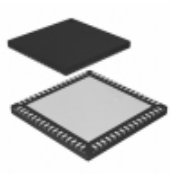
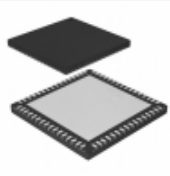
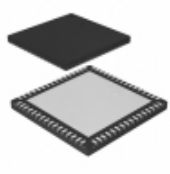
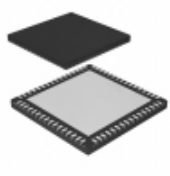
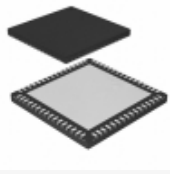
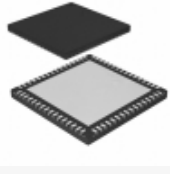
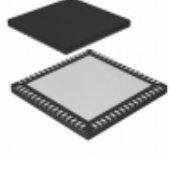
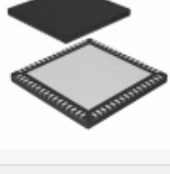
Shipment Way: DHL/Fedex/TNT/UPS/EMS

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PRODUCT PARAMETER			
Part Number	ATSAMD51G19A-MU	Manufacturer	Micrel / Microchip Technology
Description	120MHZ 512KB FLASH 48 QFN PKG IN	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	25608 pcs	Data sheet	SAM D5x,E5x Family Datasheet SAM D5x,E5x Family Errata
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	1.71 V ~ 3.63 V
Supplier Device Package	48-VQFN (7x7)	Speed	120MHz
Series	SAM D51	RAM Size	192K x 8
Program Memory Type	FLASH	Program Memory Size	512KB (512K x 8)
Peripherals	Brown-out Detect/Reset, DMA, I ² S, POR, PWM	Packaging	Tray
Package / Case	48-VFQFN Exposed Pad	Oscillator Type	Internal
Operating Temperature	-40°C ~ 85°C (TA)	Number of I/O	37
Moisture Sensitivity Level (MSL)	3 (168 Hours)	Manufacturer Standard Lead Time	10 Weeks
Lead Free Status / RoHS Status	Lead free / RoHS Compliant	EEPROM Size	-
Detailed Description	ARM® Cortex®-M4F SAM D51 Microcontroller IC 32-Bit 120MHz 512KB (512K x 8) FLASH 48-VQFN (7x7)	Data Converters	A/D 20x12b, 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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	Part#: ATSAMD21J18A-MU Description: IC MCU 32BIT 256KB FLASH 64QFN	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATSAMD51J19A-MUT Description: 120MHZ 512KB FLASH 64 QFN PKG IN	Manufacturers: Micrel / Microchip Technology	RFQ
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	Part#: ATSAMD51J18A-MUT Description: 120MHZ 256KB FLASH 64 QFN PKG IN	Manufacturers: Micrel / Microchip Technology	RFQ
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	Part#: ATSAMD51J19A-AU Description: 120MHZ 512KB FLASH 64 TQFP PKG I	Manufacturers: Micrel / Microchip Technology	RFQ
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