

ATSAMD51G18A-MUT



Part Number: [ATSAMD51G18A-MUT](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: 120MHZ 256KB 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

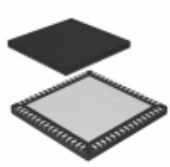
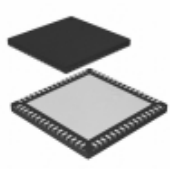
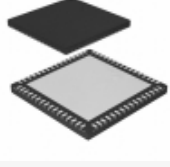
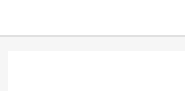
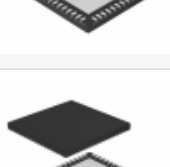
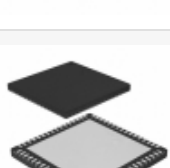
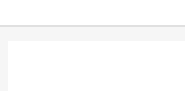
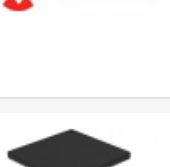
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PRODUCT PARAMETER			
Part Number	ATSAMD51G18A-MUT	Manufacturer	Micrel / Microchip Technology
Description	120MHZ 256KB FLASH 48 QFN PKG IN	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	27110 pcs	Data sheet	SAM D5x,E5x 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	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	48-VFQFN Exposed Pad	Other Names	ATSAMD51G18A-MUTTTR
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	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 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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