

ATSAMC21G18A-MNT



Part Number: [ATSAMC21G18A-MNT](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC MCU 32BIT 256KB FLASH 48VQFN

Data sheet:  [SAM C20,C21 Complete](#)

RoHs Status: Lead free / RoHS Compliant

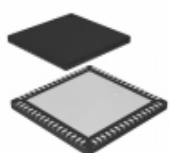
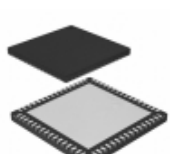
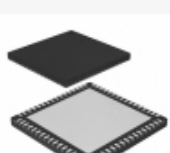
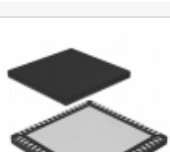
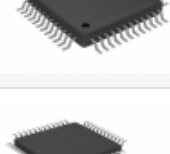
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PRODUCT PARAMETER			
Part Number	ATSAMC21G18A-MNT	Manufacturer	Micrel / Microchip Technology
Description	IC MCU 32BIT 256KB FLASH 48VQFN	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	31535 pcs	Data sheet	SAM C20,C21 Complete
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	2.7 V ~ 5.5 V
Supplier Device Package	48-QFN (7x7)	Speed	48MHz
Series	SAM C21	RAM Size	32K x 8
Program Memory Type	FLASH	Program Memory Size	256KB (256K x 8)
Peripherals	Brown-out Detect/Reset, DMA, POR, WDT	Packaging	Tape & Reel (TR)
Package / Case	48-VFQFN Exposed Pad	Oscillator Type	Internal
Operating Temperature	-40°C ~ 105°C (TA)	Number of I/O	38
Moisture Sensitivity Level (MSL)	3 (168 Hours)	Manufacturer Standard Lead Time	16 Weeks
Lead Free Status / RoHS Status	Lead free / RoHS Compliant	EEPROM Size	-
Detailed Description	ARM® Cortex®-M0+ SAM C21 Microcontroller IC 32-Bit 48MHz 256KB (256K x 8) FLASH 48-QFN (7x7)	Data Converters	A/D 14x12b, 2x16b, D/A 1x10b
Core Size	32-Bit	Core Processor	ARM® Cortex®-M0+
Connectivity	CANbus, I ² C, LINbus, SPI, UART/USART		
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	Part#: ATSAMC21J16A-MNT Description: IC MCU 32BIT 64KB FLASH 64VQFN	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATSAMC21J15A-MUT Description: IC MCU 32BIT 32KB FLASH 64VQFN	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATSAMC21G16A-AUT Description: IC MCU 32BIT 64KB FLASH 48TQFP	Manufacturers: Micrel / Microchip Technology	RFQ
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