

ATSAMDA1G16B-MBT



Part Number: [ATSAMDA1G16B-MBT](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: 48 QFN 5X5X0.9MM

Data sheet:  [SAM DA1](#)

RoHs Status: Lead free / RoHS Compliant

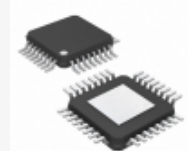
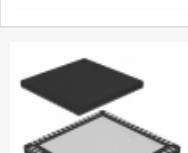
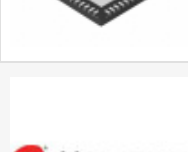
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PRODUCT PARAMETER			
Part Number	ATSAMDA1G16B-MBT	Manufacturer	Micrel / Microchip Technology
Description	48 QFN 5X5X0.9MM	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	40166 pcs	Data sheet	SAM DA1
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	2.7 V ~ 3.63 V
Supplier Device Package	48-VQFN (7x7)	Speed	48MHz
Series	SAM DA1	RAM Size	8K x 8
Program Memory Type	FLASH	Program Memory Size	64KB (64K x 8)
Peripherals	Brown-out Detect/Reset, DMA, I ² S, POR, PWM, WDT	Packaging	Tape & Reel (TR)
Package / Case	48-VFQFN Exposed Pad	Other Names	ATSAMDA1G16B-MBTTR
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	23 Weeks	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
EEPROM Size	-	Detailed Description	ARM® Cortex®-M0+ SAM DA1 Microcontroller IC 32-Bit 48MHz 64KB (64K x 8) FLASH 48-VQFN (7x7)
Data Converters	A/D 14x12b, D/A 1x10b	Core Size	32-Bit
Core Processor	ARM® Cortex®-M0+	Connectivity	I ² C, SCI, SPI, UART/USART, USB
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	Part#: ATSAMDA1G14B-ABT Description: 48 TQFP 7X7X1.0MM	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATSAMDA1E14B-MBT Description: IC MCU 32BIT 16KB FLASH 32QFN	Manufacturers: Micrel / Microchip Technology	RFQ
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	Part#: ATSAMDA1E16B-MBT Description: IC MCU 32BIT 64KB FLASH 32QFN	Manufacturers: Micrel / Microchip Technology	RFQ

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