

ATSAM3S1AA-AU



Part Number: [ATSAM3S1AA-AU](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC MCU 32BIT 64KB FLASH 48LQFP

Data sheet:  [SAM3S Series Summary](#)

RoHs Status: Lead free / RoHS Compliant

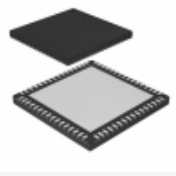
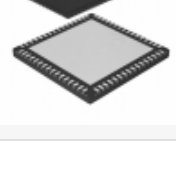
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PRODUCT PARAMETER			
Part Number	ATSAM3S1AA-AU	Manufacturer	Micrel / Microchip Technology
Description	IC MCU 32BIT 64KB FLASH 48LQFP	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	4373 pcs	Data sheet	SAM3S Series Summary
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	1.62 V ~ 3.6 V
Supplier Device Package	48-LQFP (7x7)	Speed	64MHz
Series	SAM3S	RAM Size	16K 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	Tray
Package / Case	48-LQFP	Other Names	ATSAM3S1AAAU
Oscillator Type	Internal	Operating Temperature	-40°C ~ 85°C (TA)
Number of I/O	34	Moisture Sensitivity Level (MSL)	3 (168 Hours)
Lead Free Status / RoHS Status	Lead free / RoHS Compliant	EEPROM Size	-
Detailed Description	ARM® Cortex®-M3 SAM3S Microcontroller IC 32-Bit 64MHz 64KB (64K x 8) FLASH 48-LQFP (7x7)	Data Converters	A/D 8x10/12b
Core Size	32-Bit	Core Processor	ARM® Cortex®-M3
Connectivity	IPC, MMC, SPI, SSC, UART/USART, USB	Base Part Number	ATSAM3S1
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