

ATSAM4CP16C-AHU-Y



Part Number: [ATSAM4CP16C-AHU-Y](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC MCU 32BIT 1MB FLASH 176LQFP

Data sheet:  [SAM4CP16C Datasheet](#)
 [Smart Energy Solutions Guide](#)

RoHs Status: Lead free / RoHS Compliant

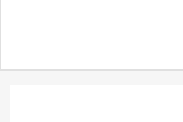
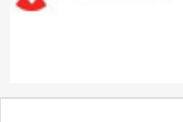
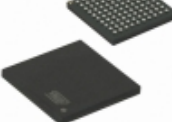
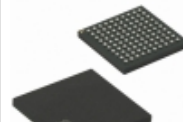
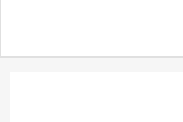
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PRODUCT PARAMETER			
Part Number	ATSAM4CP16C-AHU-Y	Manufacturer	Micrel / Microchip Technology
Description	IC MCU 32BIT 1MB FLASH 176LQFP	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	6856 pcs	Data sheet	SAM4CP16C Datasheet Smart Energy Solutions Guide
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	1.08 V ~ 3.6 V
Supplier Device Package	176-LQFP (24x24)	Speed	120MHz
Series	SAM4CP	RAM Size	152K x 8
Program Memory Type	FLASH	Program Memory Size	1MB (1M x 8)
Peripherals	Brown-out Detect/Reset, DMA, LCD, POR, PWM, WDT	Packaging	Tray
Package / Case	176-LQFP	Oscillator Type	Internal
Operating Temperature	-40°C ~ 85°C (TA)	Number of I/O	69
Moisture Sensitivity Level (MSL)	3 (168 Hours)	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
EEPROM Size	-	Detailed Description	ARM® Cortex®-M4/M4F SAM4CP Microcontroller IC 32-Bit Dual-Core 120MHz 1MB (1M x 8) FLASH 176-LQFP (24x24)
Data Converters	A/D 8x10b	Core Size	32-Bit Dual-Core
Core Processor	ARM® Cortex®-M4/M4F	Connectivity	I²C, IrDA, SPI, UART/USART
Base Part Number	ATSAM4CP16		
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