

ATSAM4CP16B-AHU-Y



Part Number:

ATSAM4CP16B-AHU-Y

Manufacturer

Micrel / Microchip Technology

Description

IC MCU 32BIT 1MB FLASH 176LQFP

Data sheet:

 [Smart Energy Solutions Guide](#)

RoHs Status:

Lead free / RoHS Compliant

Ship From:

Hong Kong

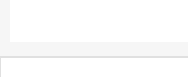
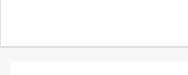
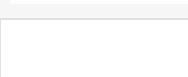
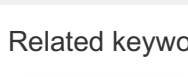
Shipment Way:

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PRODUCT PARAMETER			
Part Number	ATSAM4CP16B-AHU-Y	Manufacturer	Micrel / Microchip Technology
Description	IC MCU 32BIT 1MB FLASH 176LQFP	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	5745 pcs	Data sheet	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	Other Names	ATSAM4CP16B-AHU-YCT ATSAM4CP16B-AHU-YCT-ND
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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