

ATSAME54P19A-CTUT



Part Number: [ATSAME54P19A-CTUT](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC MCU 32BIT 512KB FLASH 120BGA

Data sheet:  [SAM D5x,E5x Family Datasheet](#)
 [SAM D5x,E5x Family Errata](#)

RoHs Status:

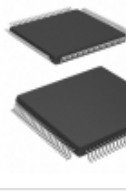
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PRODUCT PARAMETER			
Part Number	ATSAME54P19A-CTUT	Manufacturer	Micrel / Microchip Technology
Description	IC MCU 32BIT 512KB FLASH 120BGA	Lead Free Status / RoHS Status	
Quantity Available	19863 pcs	Data sheet	SAM D5x,E5x Family Datasheet SAM D5x,E5x Family Errata
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	1.71 V ~ 3.63 V
Supplier Device Package	120-TFBGA (8x8)	Speed	120MHz
Series	SAM E54	RAM Size	192K x 8
Program Memory Type	FLASH	Program Memory Size	512KB (512K x 8)
Peripherals	Brown-out Detect/Reset, DMA, I ² S, POR, PWM, WDT	Packaging	Tape & Reel (TR)
Package / Case	120-TFBGA	Other Names	ATSAME54P19A-CTUTTR
Oscillator Type	Internal	Operating Temperature	-40°C ~ 85°C (TA)
Number of I/O	99	Moisture Sensitivity Level (MSL)	3 (168 Hours)
Manufacturer Standard Lead Time	13 Weeks	EEPROM Size	-
Detailed Description	ARM® Cortex®-M4F SAM E54 Microcontroller IC 32-Bit 120MHz 512KB (512K x 8) FLASH 120-TFBGA (8x8)	Data Converters	A/D 32x12b, D/A 2x12b
Core Size	32-Bit	Core Processor	ARM® Cortex®-M4F
Connectivity	CANbus, EBI/EMI, Ethernet, I ² C, IrDA, LINbus, MMC/SD, QSPI, SPI, UART/USART, USB		
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