

MB9BF316SPMC-GK7E1



Part Number: [MB9BF316SPMC-GK7E1](#)

Manufacturer: [Cypress Semiconductor](#)

Description: IC MCU 32BIT 512KB FLASH 144LQFP

Data sheet:  [MB9B310T Series](#)

RoHs Status: Lead free / RoHS Compliant

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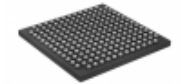
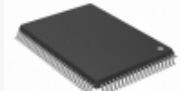
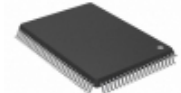
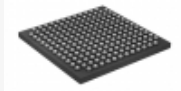
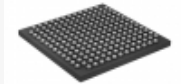
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PRODUCT PARAMETER			
Part Number	MB9BF316SPMC-GK7E1	Manufacturer	Cypress Semiconductor
Description	IC MCU 32BIT 512KB FLASH 144LQFP	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	6814 pcs	Data sheet	MB9B310T Series
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	2.7 V ~ 5.5 V
Supplier Device Package	144-LQFP (20x20)	Speed	144MHz
Series	FM3 MB9B310T	RAM Size	64K x 8
Program Memory Type	FLASH	Program Memory Size	512KB (512K x 8)
Peripherals	DMA, LVD, POR, PWM, WDT	Packaging	Tray
Package / Case	144-LQFP	Other Names	CY9BF316SPMC-GK7E1 MB9BF316SPMC-GE1 MB9BF316SPMC-GE1-ND
Oscillator Type	Internal	Operating Temperature	-40°C ~ 85°C (TA)
Number of I/O	122	Moisture Sensitivity Level (MSL)	3 (168 Hours)
Manufacturer Standard Lead Time	24 Weeks	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
EEPROM Size	-	Detailed Description	ARM® Cortex®-M3 FM3 MB9B310T Microcontroller IC 32-Bit 144MHz 512KB (512K x 8) FLASH 144-LQFP (20x20)
Data Converters	A/D 24x12b	Core Size	32-Bit
Core Processor	ARM® Cortex®-M3	Connectivity	CSIO, EBI/EMI, I²C, LINbus, UART/USART, USB

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	Part#: MB9BF316NPQC-G-JNE2 Description: IC MCU 32BIT 544KB FLASH 100QFP	Manufacturers: Cypress Semiconductor	RFQ
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