

MB9BF216TPMC-GK7E1



Part Number: [MB9BF216TPMC-GK7E1](#)

Manufacturer: [Cypress Semiconductor](#)

Description: IC MCU 32BIT 512KB FLASH 176LQFP

Data sheet:  [MB9B216,1718T](#)
 [MB9B210T Series Datasheet](#)

RoHs Status: Lead free / RoHS Compliant

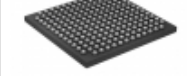
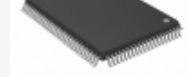
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PRODUCT PARAMETER			
Part Number	MB9BF216TPMC-GK7E1	Manufacturer	Cypress Semiconductor
Description	IC MCU 32BIT 512KB FLASH 176LQFP	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	6434 pcs	Data sheet	MB9B216,1718T MB9B210T Series Datasheet
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	2.7 V ~ 5.5 V
Supplier Device Package	176-LQFP (24x24)	Speed	144MHz
Series	FM3 MB9B210T	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	176-LQFP	Other Names	MB9BF216TPMC-GE1 MB9BF216TPMC-GE1-ND
Oscillator Type	Internal	Operating Temperature	-40°C ~ 85°C (TA)
Number of I/O	154	Moisture Sensitivity Level (MSL)	3 (168 Hours)
Manufacturer Standard Lead Time	26 Weeks	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
EEPROM Size	-	Detailed Description	ARM® Cortex®-M3 FM3 MB9B210T Microcontroller IC 32-Bit 144MHz 512KB (512K x 8) FLASH 176-LQFP (24x24)
Data Converters	A/D 32x12b	Core Size	32-Bit
Core Processor	ARM® Cortex®-M3	Connectivity	CSIO, EBI/EMI, Ethernet, I²C, LINbus, UART/USART, USB
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	Part#: MB9BF217SPMC-GK7E1 Description: IC MCU 32BIT 768KB FLASH 144LQFP	Manufacturers: Cypress Semiconductor	RFQ
	Part#: MB9BF304NBPMC-G-JNE2 Description: IC MCU 32BIT 256KB FLASH 100LQFP	Manufacturers: Cypress Semiconductor	RFQ
	Part#: MB9BF218TBGL-GK7E1 Description: IC MCU 32BIT 1MB FLASH 192BGA	Manufacturers: Cypress Semiconductor	RFQ
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	Part#: MB9BF168RBGL-GK7E1 Description: IC MCU 32BIT 1MB FLASH 144BGA	Manufacturers: Cypress Semiconductor	RFQ
	Part#: MB9BF168NPMC-G-JNE2 Description: IC MCU 32BIT 1MB FLASH 100LQFP	Manufacturers: Cypress Semiconductor	RFQ
	Part#: MB9BF168MPMC-G-JNE2 Description: IC MCU 32BIT 1MB FLASH 80LQFP	Manufacturers: Cypress Semiconductor	RFQ
	Part#: MB9BF216SPMC-GK7E1 Description: IC MCU 32BIT 512KB FLASH 144LQFP	Manufacturers: Cypress Semiconductor	RFQ
	Part#: MB9BF304RBPMP-G-JNE2 Description: IC MCU 32BIT 256KB FLASH 120LQFP	Manufacturers: Cypress Semiconductor	RFQ
	Part#: MB9BF304NBBGL-GK6E1 Description: IC MCU 32BIT 256KB FLASH 112BGA	Manufacturers: Cypress Semiconductor	RFQ
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