

MB9BF312NPQC-G-JNE2



**CYPRESS**
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Part Number: [MB9BF312NPQC-G-JNE2](#)

Manufacturer: [Cypress Semiconductor](#)

Description: IC MCU 32BIT 160KB FLASH 100QFP

Data sheet:  [MB9B310R Series](#)

RoHs Status: Lead free / RoHS Compliant

Ship From: Hong Kong

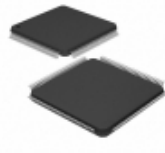
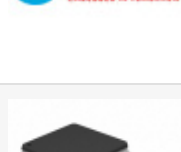
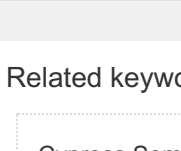
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PRODUCT PARAMETER			
Part Number	MB9BF312NPQC-G-JNE2	Manufacturer	Cypress Semiconductor
Description	IC MCU 32BIT 160KB FLASH 100QFP	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	10832 pcs	Data sheet	MB9B310R Series
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	2.7 V ~ 5.5 V
Supplier Device Package	100-PQFP (20x14)	Speed	144MHz
Series	FM3 MB9B310R	RAM Size	16K x 8
Program Memory Type	FLASH	Program Memory Size	160KB (160K x 8)
Peripherals	DMA, LVD, POR, PWM, WDT	Packaging	Tray
Package / Case	100-BQFP	Other Names	CY9BF312NPQC-G-JNE2
Oscillator Type	Internal	Operating Temperature	-40°C ~ 85°C (TA)
Number of I/O	83	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 MB9B310R Microcontroller IC 32-Bit 144MHz 160KB (160K x 8) FLASH 100-PQFP (20x14)
Data Converters	A/D 16x12b	Core Size	32-Bit
Core Processor	ARM® Cortex®-M3	Connectivity	CSIO, EBI/EMI, I²C, LINbus, UART/USART, USB

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	Description: IC MCU 32BIT 256KB FLASH 112BGA		
	Part#: MB9BF314NPQC-G-JNE2	Manufacturers: Cypress Semiconductor	RFQ
	Description: IC MCU 32BIT 288KB FLASH 100QFP		
	Part#: MB9BF306NBBGL-GK6E1	Manufacturers: Cypress Semiconductor	RFQ
	Description: IC MCU 32BIT 512KB FLASH 112BGA		
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	Description: IC MCU 32BIT 384KB FLASH 120LQFP		
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	Description: IC MCU 32BIT 544KB FLASH 112BGA		
	Part#: MB9BF315NPMC-G-JNE2	Manufacturers: Cypress Semiconductor	RFQ
	Description: IC MCU 32BIT 416KB FLASH 100LQFP		
	Part#: MB9BF314NBGL-GE1	Manufacturers: Cypress Semiconductor	RFQ
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	Description: IC MCU 32BIT 416KB FLASH 120LQFP		
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	Description: IC MCU 32BIT 384KB FLASH 100LQFP		

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