

MB9BF316RPMC-G-JNE2





Part Number: [MB9BF316RPMC-G-JNE2](#)

Manufacturer: [Cypress Semiconductor](#)

Description: IC MCU 32BIT 544KB FLASH 120LQFP

Data sheet:  [MB9B310R Series](#)

RoHs Status: Lead free / RoHS Compliant

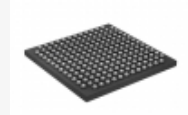
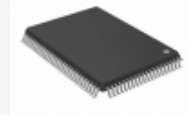
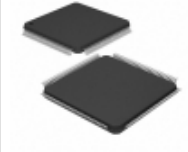
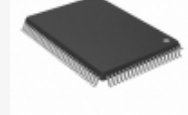
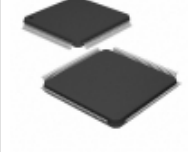
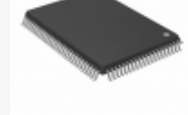
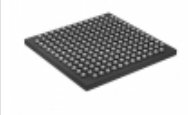
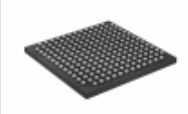
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PRODUCT PARAMETER			
Part Number	MB9BF316RPMC-G-JNE2	Manufacturer	Cypress Semiconductor
Description	IC MCU 32BIT 544KB FLASH 120LQFP	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	16829 pcs	Data sheet	MB9B310R Series
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	2.7 V ~ 5.5 V
Supplier Device Package	120-LQFP (16x16)	Speed	144MHz
Series	FM3 MB9B310R	RAM Size	64K x 8
Program Memory Type	FLASH	Program Memory Size	544KB (544K x 8)
Peripherals	DMA, LVD, POR, PWM, WDT	Packaging	Tray
Package / Case	120-LQFP	Other Names	CY9BF316RPMC-G-JNE2
Oscillator Type	Internal	Operating Temperature	-40°C ~ 85°C (TA)
Number of I/O	103	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 544KB (544K x 8) FLASH 120-LQFP (16x16)
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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	Part#: MB9BF318TBGL-GK7E1 Description: IC MCU 32BIT 1MB FLASH 192BGA	Manufacturers: Cypress Semiconductor	RFQ
	Part#: MB9BF316SPMC-GK7E1 Description: IC MCU 32BIT 512KB FLASH 144LQFP	Manufacturers: Cypress Semiconductor	RFQ
	Part#: MB9BF317SPMC-GK7E1 Description: IC MCU 32BIT 768KB FLASH 144LQFP	Manufacturers: Cypress Semiconductor	RFQ
	Part#: MB9BF315NBGL-GE1 Description: IC MCU 32BIT 416KB FLASH 112BGA	Manufacturers: Cypress Semiconductor	RFQ
	Part#: MB9BF317TBGL-GK7E1 Description: IC MCU 32BIT 768KB FLASH 192BGA	Manufacturers: Cypress Semiconductor	RFQ
	Part#: MB9BF321KPMC-G-JNE2 Description: IC MCU 32BIT 96KB FLASH 48LQFP	Manufacturers: Cypress Semiconductor	RFQ

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