

MB9BF568NBGL-GE1



Part Number: [MB9BF568NBGL-GE1](#)

Manufacturer: [Cypress Semiconductor](#)

Description: IC MCU 32BIT 1MB FLASH 112BGA

Data sheet:  [MB9BF566-68M/N/R Series](#)

RoHs Status: Lead free / RoHS Compliant

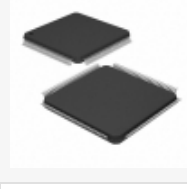
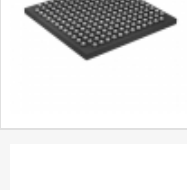
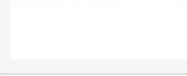
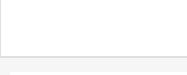
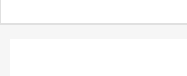
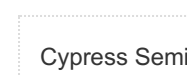
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PRODUCT PARAMETER			
Part Number	MB9BF568NBGL-GE1	Manufacturer	Cypress Semiconductor
Description	IC MCU 32BIT 1MB FLASH 112BGA	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	13127 pcs	Data sheet	MB9BF566-68M/N/R Series
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	2.7 V ~ 5.5 V
Supplier Device Package	112-FBGA (7x7)	Speed	160MHz
Series	FM4 MB9B560R	RAM Size	128K x 8
Program Memory Type	FLASH	Program Memory Size	1.03125MB (1.03125M x 8)
Peripherals	DMA, LVD, POR, PWM, WDT	Packaging	Tray
Package / Case	112-LFBGA	Other Names	CY9BF568NBGL-GE1
Oscillator Type	Internal	Operating Temperature	-40°C ~ 125°C (TA)
Number of I/O	80	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®-M4F FM4 MB9B560R Microcontroller IC 32-Bit 160MHz 1.03125MB (1.03125M x 8) FLASH 112-FBGA (7x7)
Data Converters	A/D 24x12b, D/A 2x12b	Core Size	32-Bit
Core Processor	ARM® Cortex®-M4F	Connectivity	CANbus, CSIO, EBI/EMI, I²C, LINbus, SD, UART/USART, USB
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	Part#: MB9BF617SPMC-GK7E1 Description: IC MCU 32BIT 768KB FLASH 144LQFP	Manufacturers: Cypress Semiconductor	RFQ
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	Part#: MB9BF617TPMC-GK7E1 Description: IC MCU 32BIT 768KB FLASH 176LQFP	Manufacturers: Cypress Semiconductor	RFQ
	Part#: MB9BF568MPMC1-G-JNE2 Description: IC MCU 32BIT 1MB FLASH 80LQFP	Manufacturers: Cypress Semiconductor	RFQ
	Part#: MB9BF567NPMC-G-JNE2 Description: IC MCU 32BIT 800KB FLASH 100LQFP	Manufacturers: Cypress Semiconductor	RFQ
	Part#: MB9BF567MPMC-G-JNE2 Description: IC MCU 32BIT 800KB FLASH 80LQFP	Manufacturers: Cypress Semiconductor	RFQ
	Part#: MB9BF616SPMC-GK7E1 Description: IC MCU 32BIT 512KB FLASH 144LQFP	Manufacturers: Cypress Semiconductor	RFQ
	Part#: MB9BF568RPMC-G-JNE2 Description: IC MCU 32BIT 1MB FLASH 120LQFP	Manufacturers: Cypress Semiconductor	RFQ
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