

MB9BF566RBGL-GK7E1



Part Number: [MB9BF566RBGL-GK7E1](#)

Manufacturer: [Cypress Semiconductor](#)

Description: IC MCU 32BIT 544KB FLASH 144BGA

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

RoHs Status: Lead free / RoHS Compliant

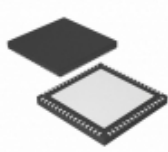
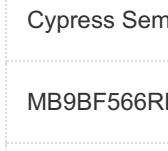
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PRODUCT PARAMETER			
Part Number	MB9BF566RBGL-GK7E1	Manufacturer	Cypress Semiconductor
Description	IC MCU 32BIT 544KB FLASH 144BGA	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	7669 pcs	Data sheet	MB9BF566-68M/N/R Series
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	2.7 V ~ 5.5 V
Supplier Device Package	144-FBGA (7x7)	Speed	160MHz
Series	FM4 MB9B560R	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	144-LFBGA	Other Names	CY9BF566RBGL-GK7E1 MB9BF566RBGL-GE1 MB9BF566RBGL-GE1-ND
Oscillator Type	Internal	Operating Temperature	-40°C ~ 125°C (TA)
Number of I/O	100	Moisture Sensitivity Level (MSL)	3 (168 Hours)
Manufacturer Standard Lead Time	22 Weeks	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
EEPROM Size	-	Detailed Description	ARM® Cortex®-M4F FM4 MB9B560R Microcontroller IC 32-Bit 160MHz 544KB (544K x 8) FLASH 144-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#: MB9BF567MPMC-G-JNE2 Description: IC MCU 32BIT 800KB FLASH 80LQFP	Manufacturers: Cypress Semiconductor	RFQ
	Part#: MB9BF566LPMC1-G-JNE2 Description: IC MCU 32BIT 544KB FLASH 64LQFP	Manufacturers: Cypress Semiconductor	RFQ
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	Part#: MB9BF566KPMC-G-JNE2 Description: IC MCU 32BIT 544KB FLASH 48LQFP	Manufacturers: Cypress Semiconductor	RFQ
	Part#: MB9BF566MPMC1-G-JNE2 Description: IC MCU 32BIT 544KB FLASH 80LQFP	Manufacturers: Cypress Semiconductor	RFQ
	Part#: MB9BF567NBGL-GE1 Description: IC MCU 32BIT 800KB FLASH 112BGA	Manufacturers: Cypress Semiconductor	RFQ
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