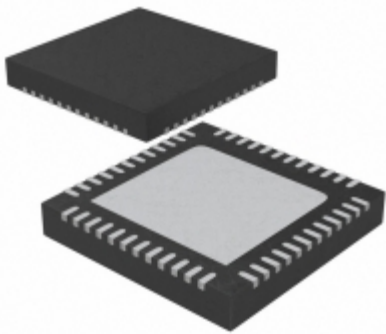


MB9BF566KQN-G-AVE2



Images are for reference only.
See Product Specifications for product details.
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Part Number: [MB9BF566KQN-G-AVE2](#)

Manufacturer: [Cypress Semiconductor](#)

Description: IC MCU 32BIT 544KB FLASH 48QFN

Data sheet:

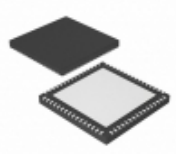
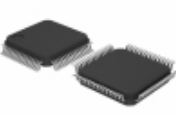
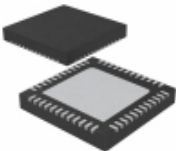
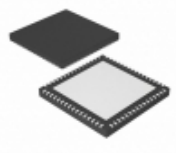
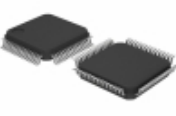
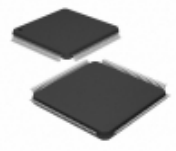
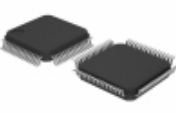
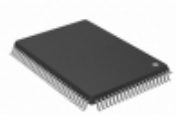
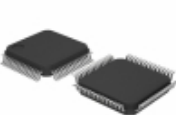
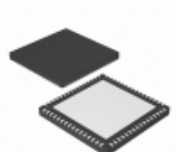
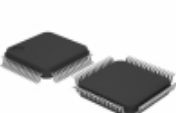
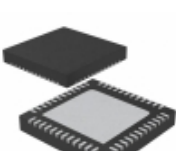
RoHs Status: Lead free / RoHS Compliant

Ship From: Hong Kong

Shipment Way: DHL/Fedex/TNT/UPS/EMS

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PRODUCT PARAMETER			
Part Number	MB9BF566KQN-G-AVE2	Manufacturer	Cypress Semiconductor
Description	IC MCU 32BIT 544KB FLASH 48QFN	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	20899 pcs	Data sheet	
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	2.7 V ~ 5.5 V
Supplier Device Package	48-QFN (7x7)	Speed	160MHz
Series	FM4 MB9B560L	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	48-VFQFN Exposed Pad	Other Names	1534-1097 CY9BF566KQN-G-AVE2 MB9BF566KQN-G-AVE2-ND
Oscillator Type	Internal	Operating Temperature	-40°C ~ 125°C (TA)
Number of I/O	33	Moisture Sensitivity Level (MSL)	3 (168 Hours)
Manufacturer Standard Lead Time	15 Weeks	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
EEPROM Size	-	Detailed Description	ARM® Cortex®-M4F FM4 MB9B560L Microcontroller IC 32-Bit 160MHz 544KB (544K x 8) FLASH 48-QFN (7x7)
Data Converters	A/D 8x12b, A/D 2x10b	Core Size	32-Bit
Core Processor	ARM® Cortex®-M4F	Connectivity	CANbus, CSIO, I²C, LINbus, UART/USART, USB
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	Part#: MB9BF565LPMC1-G-JNE2 Description: IC MCU 32BIT 416KB FLASH 64LQFP	Manufacturers: Cypress Semiconductor	RFQ
	Part#: MB9BF566NBGL-GE1 Description: IC MCU 32BIT 544KB FLASH 112BGA	Manufacturers: Cypress Semiconductor	RFQ
	Part#: MB9BF564KQN-G-AVE2 Description: IC MCU 32BIT 288KB FLASH 48QFN	Manufacturers: Cypress Semiconductor	RFQ
	Part#: MB9BF566LQN-G-AVE2 Description: IC MCU 32BIT 544KB FLASH 64QFN	Manufacturers: Cypress Semiconductor	RFQ
	Part#: MB9BF564LPMC1-G-JNE2 Description: IC MCU 32BIT 288KB FLASH 64LQFP	Manufacturers: Cypress Semiconductor	RFQ
	Part#: MB9BF566NPMC-G-JNE2 Description: IC MCU 32BIT 544KB FLASH 100LQFP	Manufacturers: Cypress Semiconductor	RFQ
	Part#: MB9BF566RPMC-G-JNE2 Description: IC MCU 32BIT 544KB FLASH 120LQFP	Manufacturers: Cypress Semiconductor	RFQ
	Part#: MB9BF564LPMC-G-JNE2 Description: IC MCU 32BIT 288KB FLASH 64LQFP	Manufacturers: Cypress Semiconductor	RFQ
	Part#: MB9BF565KPMC-G-JNE2 Description: IC MCU 32BIT 416KB FLASH 48LQFP	Manufacturers: Cypress Semiconductor	RFQ
	Part#: MB9BF566MPMC1-G-JNE2 Description: IC MCU 32BIT 544KB FLASH 80LQFP	Manufacturers: Cypress Semiconductor	RFQ
	Part#: MB9BF566NPQC-G-JNE2 Description: IC MCU 32BIT 544KB FLASH 100QFP	Manufacturers: Cypress Semiconductor	RFQ
	Part#: MB9BF566MPMC-G-JNE2 Description: IC MCU 32BIT 544KB FLASH 80LQFP	Manufacturers: Cypress Semiconductor	RFQ
	Part#: MB9BF566LPMC1-G-JNE2 Description: IC MCU 32BIT 544KB FLASH 64LQFP	Manufacturers: Cypress Semiconductor	RFQ
	Part#: MB9BF566RBGL-GK7E1 Description: IC MCU 32BIT 544KB FLASH 144BGA	Manufacturers: Cypress Semiconductor	RFQ
	Part#: MB9BF565LQN-G-AVE2 Description: IC MCU 32BIT 416KB FLASH 64QFN	Manufacturers: Cypress Semiconductor	RFQ
	Part#: MB9BF565LPMC-G-JNE2 Description: IC MCU 32BIT 416KB FLASH 64LQFP	Manufacturers: Cypress Semiconductor	RFQ
	Part#: MB9BF565KQN-G-AVE2 Description: IC MCU 32BIT 416KB FLASH 48QFN	Manufacturers: Cypress Semiconductor	RFQ
	Part#: MB9BF566LPMC-G-JNE2 Description: IC MCU 32BIT 544KB FLASH 64LQFP	Manufacturers: Cypress Semiconductor	RFQ

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