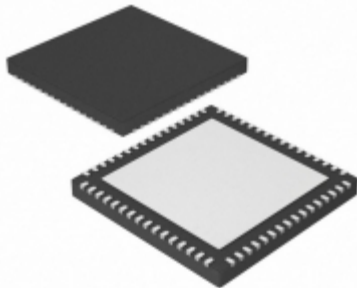


MB9AFB42LBQN-G-AVE2



Images are for reference only.
See Product Specifications for product details.
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**CYPRESS**
EMBEDDED IN TOMORROW™

Part Number: [MB9AFB42LBQN-G-AVE2](#)

Manufacturer: [Cypress Semiconductor](#)

Description: IC MCU 32BIT 160KB FLASH 64QFN

Data sheet:  [MB9AFB4xLB/MB/NB Series](#)

RoHs Status: Lead free / RoHS Compliant

Ship From: Hong Kong

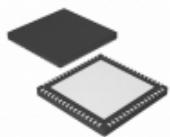
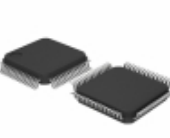
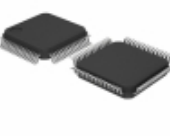
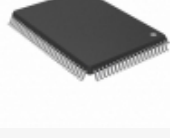
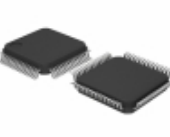
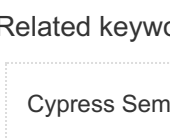
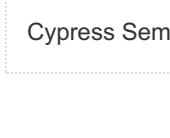
Shipment Way: DHL/Fedex/TNT/UPS/EMS

[Request For Quotation](#)

PRODUCT PARAMETER			
Part Number	MB9AFB42LBQN-G-AVE2	Manufacturer	Cypress Semiconductor
Description	IC MCU 32BIT 160KB FLASH 64QFN	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	36859 pcs	Data sheet	MB9AFB4xLB/MB/NB Series
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	1.65 V ~ 3.6 V
Supplier Device Package	64-QFN (9x9)	Speed	40MHz
Series	FM3 MB9AB40NB	RAM Size	16K x 8
Program Memory Type	FLASH	Program Memory Size	160KB (160K x 8)
Peripherals	DMA, LCD, LVD, POR, PWM, WDT	Packaging	Tray
Package / Case	64-VFQFN Exposed Pad	Other Names	CY9AFB42LBQN-G-AVE2
Oscillator Type	Internal	Operating Temperature	-40°C ~ 85°C (TA)
Number of I/O	51	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®-M3 FM3 MB9AB40NB Microcontroller IC 32-Bit 40MHz 160KB (160K x 8) FLASH 64-QFN (9x9)
Data Converters	A/D 12x12b	Core Size	32-Bit
Core Processor	ARM® Cortex®-M3	Connectivity	CSIO, I²C, UART/USART, USB

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	Part#: MB9AFB42MBPMC1-G-JNE2 Description: IC MCU 32BIT 160KB FLASH 80LQFP	Manufacturers: Cypress Semiconductor	RFQ
	Part#: MB9AFB41MBPMC1-G-JNE2 Description: IC MCU 32BIT 96KB FLASH 80LQFP	Manufacturers: Cypress Semiconductor	RFQ
	Part#: MB9AFB42NBPQC-G-JNE2 Description: IC MCU 32BIT 160KB FLASH 100QFP	Manufacturers: Cypress Semiconductor	RFQ
	Part#: MB9AFB41MBBGL-GE1 Description: IC MCU 32BIT 96KB FLASH 96BGA	Manufacturers: Cypress Semiconductor	RFQ
	Part#: MB9AFB42MBBGL-GE1 Description: IC MCU 32BIT 160KB FLASH 96BGA	Manufacturers: Cypress Semiconductor	RFQ
	Part#: MB9AFB41NBBGL-GE1 Description: IC MCU 32BIT 96KB FLASH 112BGA	Manufacturers: Cypress Semiconductor	RFQ
	Part#: MB9AFB44MBBGL-GE1 Description: IC MCU 32BIT 288KB FLASH 96BGA	Manufacturers: Cypress Semiconductor	RFQ
	Part#: MB9AFB42LBPMC1-G-JNE2 Description: IC MCU 32BIT 160KB FLASH 64LQFP	Manufacturers: Cypress Semiconductor	RFQ
	Part#: MB9AFB42LBPMC-G-JNE2 Description: IC MCU 32BIT 160KB FLASH 64LQFP	Manufacturers: Cypress Semiconductor	RFQ
	Part#: MB9AFB41NBPQC-G-JNE2 Description: IC MCU 32BIT 96KB FLASH 100QFP	Manufacturers: Cypress Semiconductor	RFQ
	Part#: MB9AFB42NBBGL-GE1 Description: IC MCU 32BIT 160KB FLASH 112BGA	Manufacturers: Cypress Semiconductor	RFQ
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	Part#: MB9AFB41LBPMC1-G-JNE2 Description: IC MCU 32BIT 96KB FLASH 64LQFP	Manufacturers: Cypress Semiconductor	RFQ

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