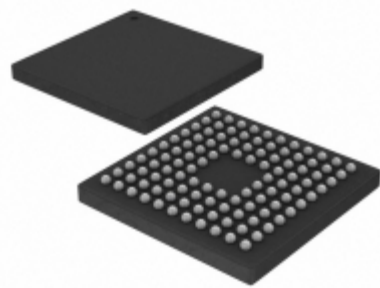


MB9AF316NABGL-GE1



Part Number: [MB9AF316NABGL-GE1](#)

Manufacturer: [Cypress Semiconductor](#)

Description: IC MCU 32BIT 512KB FLASH 112BGA

Data sheet:  [MB9AF311-16LA/MA/NA Series](#)

RoHs Status: Lead free / RoHS Compliant

Ship From: Hong Kong

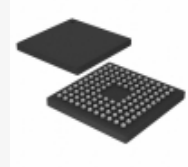
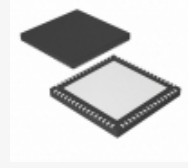
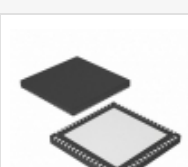
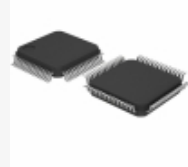
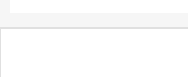
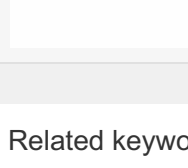
Shipment Way: DHL/Fedex/TNT/UPS/EMS

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See Product Specifications for product details.
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PRODUCT PARAMETER			
Part Number	MB9AF316NABGL-GE1	Manufacturer	Cypress Semiconductor
Description	IC MCU 32BIT 512KB FLASH 112BGA	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	24175 pcs	Data sheet	MB9AF311-16LA/MA/NA Series
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	2.7 V ~ 5.5 V
Supplier Device Package	112-LFBGA (10x10)	Speed	40MHz
Series	FM3 MB9A310A	RAM Size	32K x 8
Program Memory Type	FLASH	Program Memory Size	512KB (512K x 8)
Peripherals	DMA, LVD, POR, PWM, WDT	Packaging	Tray
Package / Case	112-LFBGA	Other Names	1534-1070 CY9AF316NABGL-GE1 MB9AF316NABGL-GE1-ND
Oscillator Type	Internal	Operating Temperature	-40°C ~ 105°C (TA)
Number of I/O	83	Moisture Sensitivity Level (MSL)	3 (168 Hours)
Manufacturer Standard Lead Time	27 Weeks	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
EEPROM Size	-	Detailed Description	ARM® Cortex®-M3 FM3 MB9A310A Microcontroller IC 32-Bit 40MHz 512KB (512K x 8) FLASH 112-LFBGA (10x10)
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#: MB9AF341NBPMC-G-JNE2 Description: IC MCU 32BIT 96KB FLASH 100LQFP	Manufacturers: Cypress Semiconductor	RFQ
	Part#: MB9AF314NAPF-G-JNE1 Description: IC MCU 32BIT 256KB FLASH 100QFP	Manufacturers: Cypress Semiconductor	RFQ
	Part#: MB9AF314LAPMC1-G-JNE2 Description: IC MCU 32BIT 256KB FLASH 64LQFP	Manufacturers: Cypress Semiconductor	RFQ
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