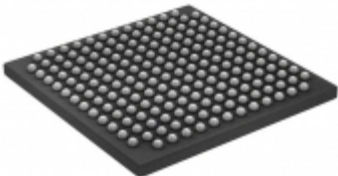


MB9BF616TBGL-GK7E1





Part Number: [MB9BF616TBGL-GK7E1](#)

Manufacturer: [Cypress Semiconductor](#)

Description: IC MCU 32BIT 512KB FLASH 192BGA

Data sheet:  [MB9B610T Series](#)

RoHs Status: Lead free / RoHS Compliant

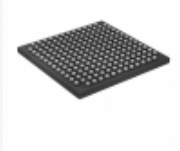
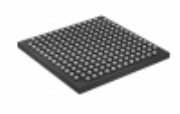
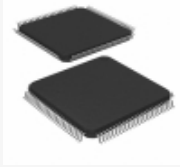
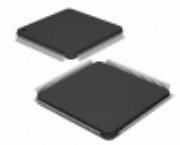
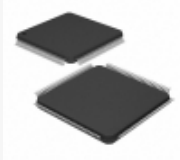
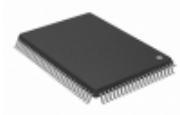
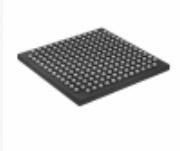
Ship From: Hong Kong

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

Images are for reference only.
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PRODUCT PARAMETER			
Part Number	MB9BF616TBGL-GK7E1	Manufacturer	Cypress Semiconductor
Description	IC MCU 32BIT 512KB FLASH 192BGA	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	6899 pcs	Data sheet	MB9B610T Series
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	2.7 V ~ 5.5 V
Supplier Device Package	192-FBGA (12x12)	Speed	144MHz
Series	FM3 MB9B610T	RAM Size	64K x 8
Program Memory Type	FLASH	Program Memory Size	512KB (512K x 8)
Peripherals	DMA, LVD, POR, PWM, WDT	Packaging	Tray
Package / Case	192-LFBGA	Other Names	CY9BF616TBGL-GK7E1 MB9BF616TBGL-GE1 MB9BF616TBGL-GE1-ND
Oscillator Type	Internal	Operating Temperature	-40°C ~ 85°C (TA)
Number of I/O	154	Moisture Sensitivity Level (MSL)	3 (168 Hours)
Manufacturer Standard Lead Time	28 Weeks	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
EEPROM Size	-	Detailed Description	ARM® Cortex®-M3 FM3 MB9B610T Microcontroller IC 32-Bit 144MHz 512KB (512K x 8) FLASH 192-FBGA (12x12)
Data Converters	A/D 32x12b	Core Size	32-Bit
Core Processor	ARM® Cortex®-M3	Connectivity	CSIO, EBI/EMI, Ethernet, PC, LINbus, SD, UART/USART, USB
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	Part#: MB9BFD16SPMC-GK7E1 Description: IC MCU 32BIT 512KB FLASH 144LQFP	Manufacturers: Cypress Semiconductor	RFQ
	Part#: MB9BF618SPMC-GK7E1 Description: IC MCU 32BIT 1MB FLASH 144LQFP	Manufacturers: Cypress Semiconductor	RFQ
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	Part#: MB9BF618TPMC-GK7E1 Description: IC MCU 32BIT 1MB FLASH 176LQFP	Manufacturers: Cypress Semiconductor	RFQ
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	Part#: MB9BF567RBGL-GK7E1 Description: IC MCU 32BIT 800KB FLASH 144BGA	Manufacturers: Cypress Semiconductor	RFQ
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	Part#: MB9BF616SPMC-GK7E1 Description: IC MCU 32BIT 512KB FLASH 144LQFP	Manufacturers: Cypress Semiconductor	RFQ
	Part#: MB9BF567RPMC-G-JNE2 Description: IC MCU 32BIT 800KB FLASH 120LQFP	Manufacturers: Cypress Semiconductor	RFQ
	Part#: MB9BF568NPQC-G-JNE2 Description: IC MCU 32BIT 1MB FLASH 100QFP	Manufacturers: Cypress Semiconductor	RFQ
	Part#: MB9BF568MPMC-G-JNE2 Description: IC MCU 32BIT 1MB FLASH 80LQFP	Manufacturers: Cypress Semiconductor	RFQ
	Part#: MB9BF617SPMC-GK7E1 Description: IC MCU 32BIT 768KB FLASH 144LQFP	Manufacturers: Cypress Semiconductor	RFQ
	Part#: MB9BF618TBGL-GK7E1 Description: IC MCU 32BIT 1MB FLASH 192BGA	Manufacturers: Cypress Semiconductor	RFQ

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