

MB9BF167NBGL-GE1

MB9BF167NBGL-GE1 Information

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Part NumberMB9BF167NBGL-GE1ManufacturerCypress Semiconductor CorpCategoryIntegrated Circuits (ICs)
Embedded - Microcontrollers

Description IC MCU 32BIT 800KB FLASH 112BGA

Package 112-LFBGA

For the pricing/inventory/lead time, please contact

us

For Reference Only

Website: https://www.heisener.com
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MB9BF167NBGL-GE1 Specifications

Manufacturer Part Number MB9BF167NBGL-GE1 Manufacturer Cypress Semiconductor Corp Category Integrated Circuits (ICs) Embedded - Microcontrollers Package 112-LFBGA Scries FM4 MB9B160R Core Processor ARM? Cortex?-M4F Core Size 32-Bit Speed 160MHz Connectivity CSIO, 12C, LIN, UART/USART Peripherals DMA, LVD, POR, PWM, WDT Number of I/O 80 Program Memory Size 800KB (800K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 96K x 8 Voltage - Supply (Vcc/Vdd) 2.7 V ~ 5.5 V Data Converters A/D 24x12b, D/A 2x12b Oscillator Type Internal Operating Temperature -40°C ~ 125°C (TA) Mounting Type - Package / Case 112-LFBGA Supplier Device Package 112-LFBGA (7x7)	1	
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Backage I12-LFBGA Series FM4 MB9B160R Core Processor ARM? Cortex?-M4F Core Size 32-Bit Speed 160MHz Connectivity CSIO, 12C, LIN, UART/USART Peripherals DMA, LVD, POR, PWM, WDT Number of I/O 80 Program Memory Size 800KB (800K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 96K x 8 Voltage - Supply (Vcc/Vdd) 2.7 V ~ 5.5 V Data Converters A/D 24x12b, D/A 2x12b Oscillator Type Internal Operating Temperature -40°C ~ 125°C (TA) Mounting Type - Package / Case 112-LFBGA Supplier Device Package 112-FBGA (7x7)	Manufacturer	Cypress Semiconductor Corp
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Series FM4 MB9B160R Core Processor ARM? Cortex?-M4F Core Size 32-Bit Speed 160MHz Connectivity CSIO, 12C, LIN, UART/USART Peripherals DMA, LVD, POR, PWM, WDT Number of I/O 80 Program Memory Size 800KB (800K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 96K x 8 Voltage - Supply (Vcc/Vdd) 2.7 V ~ 5.5 V Data Converters A/D 24x12b, D/A 2x12b Oscillator Type Internal Operating Temperature -40°C ~ 125°C (TA) Mounting Type - Package / Case 112-LFBGA Supplier Device Package 112-FBGA (7x7)		Embedded - Microcontrollers
Core ProcessorARM? Cortex?-M4FCore Size32-BitSpeed160MHzConnectivityCSIO, 12C, LIN, UART/USARTPeripheralsDMA, LVD, POR, PWM, WDTNumber of I/O80Program Memory Size800KB (800K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size96K x 8Voltage - Supply (Vcc/Vdd)2.7 V ~ 5.5 VData ConvertersA/D 24x12b, D/A 2x12bOscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting Type-Package / Case112-LFBGASupplier Device Package112-FBGA (7x7)	Package	112-LFBGA
Core Size 32-Bit Speed 160MHz Connectivity CSIO, 12C, LIN, UART/USART Peripherals DMA, LVD, POR, PWM, WDT Number of I/O 80 Program Memory Size 800KB (800K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 96K x 8 Voltage - Supply (Vcc/Vdd) 2.7 V ~ 5.5 V Data Converters A/D 24x12b, D/A 2x12b Oscillator Type Internal Operating Temperature -40°C ~ 125°C (TA) Mounting Type - Package / Case 112-LFBGA Supplier Device Package 112-FBGA (7x7)	Series	FM4 MB9B160R
Speed160MHzConnectivityCSIO, 12C, LIN, UART/USARTPeripheralsDMA, LVD, POR, PWM, WDTNumber of I/O80Program Memory Size800KB (800K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size96K x 8Voltage - Supply (Vcc/Vdd)2.7 V ~ 5.5 VData ConvertersA/D 24x12b, D/A 2x12bOscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting Type-Package / Case112-LFBGASupplier Device Package112-FBGA (7x7)	Core Processor	ARM? Cortex?-M4F
Connectivity CSIO, 12C, LIN, UART/USART Peripherals DMA, LVD, POR, PWM, WDT Number of I/O 80 Program Memory Size 800KB (800K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 96K x 8 Voltage - Supply (Vcc/Vdd) 2.7 V ~ 5.5 V Data Converters A/D 24x12b, D/A 2x12b Oscillator Type Internal Operating Temperature -40°C ~ 125°C (TA) Mounting Type Package / Case 112-LFBGA Supplier Device Package	Core Size	32-Bit
Peripherals DMA, LVD, POR, PWM, WDT Number of I/O 80 Program Memory Size 800KB (800K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 96K x 8 Voltage - Supply (Vcc/Vdd) 2.7 V ~ 5.5 V Data Converters A/D 24x12b, D/A 2x12b Oscillator Type Internal Operating Temperature -40°C ~ 125°C (TA) Mounting Type - Package / Case Supplier Device Package 112-LFBGA 112-FBGA (7x7)	Speed	160MHz
Number of I/O Program Memory Size 800KB (800K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 96K x 8 Voltage - Supply (Vcc/Vdd) 2.7 V ~ 5.5 V Data Converters A/D 24x12b, D/A 2x12b Oscillator Type Internal Operating Temperature -40°C ~ 125°C (TA) Mounting Type - Package / Case 112-LFBGA Supplier Device Package	Connectivity	CSIO, I2C, LIN, UART/USART
Program Memory Size 800KB (800K x 8) Program Memory Type FLASH EEPROM Size - 96K x 8 Voltage - Supply (Vcc/Vdd) 2.7 V ~ 5.5 V Data Converters A/D 24x12b, D/A 2x12b Oscillator Type Internal Operating Temperature -40°C ~ 125°C (TA) Mounting Type - Package / Case 112-LFBGA Supplier Device Package 112-FBGA (7x7)	Peripherals	DMA, LVD, POR, PWM, WDT
Program Memory Type EEPROM Size - RAM Size 96K x 8 Voltage - Supply (Vcc/Vdd) 2.7 V ~ 5.5 V Data Converters A/D 24x12b, D/A 2x12b Oscillator Type Internal Operating Temperature -40°C ~ 125°C (TA) Mounting Type - Package / Case 112-LFBGA Supplier Device Package	Number of I/O	80
EEPROM Size - 96K x 8 Voltage - Supply (Vcc/Vdd) 2.7 V ~ 5.5 V Data Converters A/D 24x12b, D/A 2x12b Oscillator Type Internal Operating Temperature -40°C ~ 125°C (TA) Mounting Type - Package / Case 112-LFBGA Supplier Device Package 112-FBGA (7x7)	Program Memory Size	800KB (800K x 8)
RAM Size96K x 8Voltage - Supply (Vcc/Vdd)2.7 V ~ 5.5 VData ConvertersA/D 24x12b, D/A 2x12bOscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting Type-Package / Case112-LFBGASupplier Device Package112-FBGA (7x7)	Program Memory Type	FLASH
Voltage - Supply (Vcc/Vdd)2.7 V ~ 5.5 VData ConvertersA/D 24x12b, D/A 2x12bOscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting Type-Package / Case112-LFBGASupplier Device Package112-FBGA (7x7)	EEPROM Size	-
Data Converters $A/D 24x12b$, $D/A 2x12b$ Oscillator TypeInternalOperating Temperature $-40^{\circ}C \sim 125^{\circ}C$ (TA)Mounting Type-Package / Case 112-LFBGA Supplier Device Package $112\text{-FBGA} (7x7)$	RAM Size	96K x 8
Oscillator Type Internal Operating Temperature -40°C ~ 125°C (TA) Mounting Type - Package / Case 112-LFBGA Supplier Device Package 112-FBGA (7x7)	Voltage - Supply (Vcc/Vdd)	2.7 V ~ 5.5 V
Operating Temperature -40°C ~ 125°C (TA) Mounting Type - Package / Case 112-LFBGA Supplier Device Package 112-FBGA (7x7)	Data Converters	A/D 24x12b, D/A 2x12b
Mounting Type - Package / Case 112-LFBGA Supplier Device Package 112-FBGA (7x7)	Oscillator Type	Internal
Package / Case 112-LFBGA Supplier Device Package 112-FBGA (7x7)	Operating Temperature	-40°C ~ 125°C (TA)
Supplier Device Package 112-FBGA (7x7)	Mounting Type	-
	Package / Case	112-LFBGA
Report errors?	Supplier Device Package	112-FBGA (7x7)
		Report errors?

MB9BF167NBGL-GE1 Guarantees



Quality Guarantees

We provide 90 days warranty. *

If the items you received were not in perfect quality, we would be responsible for your refund or replacement, but the items must be returned in their original condition.



Service Guarantees

We guarantee 100% customer satisfaction.

Our experienced sales team and tech support team back our services to satisfy all our customers.

MB9BF167NBGL-GE1 Payment Methods





















MB9BF167NBGL-GE1 Shipping Methods













If you have any question about MB9BF167NBGL-GE1, please do not hesitate to contact us!

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