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MB9AF142LBQN-G-AVE2

MB9AF142LBQN-G-AVE2 Information

Part Number MB9AF142LBQN-G-AVE2

Manufacturer Cypress Semiconductor Corp

Category Integrated Circuits (ICs)
Embedded - Microcontrollers

Description IC MCU 32BIT 160KB FLASH 64QFN

Package 64-WFQFN Exposed Pad

For the pricing/inventory/lead time, please contact

us

For Reference Only

Website: https://www.heisener.com
E-mail: salesdept@heisener.com



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MB9AF142LBQN-G-AVE2 Specifications

Manufacturer Part Number MB9AF142LBQN-G-AVE2 Manufacturer Cypress Semiconductor Corp Category Integrated Circuits (ICs) Embedded - Microcontrollers Package 64-WFQFN Exposed Pad Series FM3 MB9A140NB Core Processor ARM? Cortex?-M3 Core Size 32-Bit Speed 40MHz Connectivity CSIO, 12C, SPI, UART/USART Peripherals LVD, POR, PWM, WDT Number of I/O 51 Program Memory Size 160KB (160K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 16K x 8 Voltage - Supply (Vcc/Vdd) 1.65 V ~ 3.6 V Data Converters A/D 12x12b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 64-WFQFN Exposed Pad Supplier Device Package 64-QFN (9x9)		
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Series FM3 MB9A140NB Core Processor ARM? Cortex?-M3 Core Size 32-Bit Speed 40MHz Connectivity CSIO, I2C, SPI, UART/USART Peripherals LVD, POR, PWM, WDT Number of I/O 51 Program Memory Size 160KB (160K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 16K x 8 Voltage - Supply (Vcc/Vdd) 1.65 V ~ 3.6 V Data Converters A/D 12x12b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 64-WFQFN Exposed Pad Supplier Device Package 64-QFN (9x9)		Embedded - Microcontrollers
Core Processor Core Size 32-Bit Speed 40MHz Connectivity CSIO, 12C, SPI, UART/USART Peripherals LVD, POR, PWM, WDT Number of I/O 51 Program Memory Size 160KB (160K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 166K x 8 Voltage - Supply (Vcc/Vdd) 1.65 V ~ 3.6 V Data Converters A/D 12x12b Oscillator Type Internal Operating Temperature Mounting Type - Package / Case 64-WFQFN Exposed Pad Supplier Device Package 40MHz CSIO, 12C, SPI, UART/USART LVD, POR, PWM, WDT 51 LVD, P	Package	64-WFQFN Exposed Pad
Core Size 32-Bit Speed 40MHz Connectivity CSIO, 12C, SPI, UART/USART Peripherals LVD, POR, PWM, WDT Number of I/O 51 Program Memory Size 160KB (160K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 16K x 8 Voltage - Supply (Vcc/Vdd) 1.65 V ~ 3.6 V Data Converters A/D 12x12b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 64-WFQFN Exposed Pad Supplier Device Package 64-QFN (9x9)	Series	FM3 MB9A140NB
Speed 40MHz Connectivity CSIO, 12C, SPI, UART/USART Peripherals LVD, POR, PWM, WDT Number of I/O 51 Program Memory Size 160KB (160K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 16K x 8 Voltage - Supply (Vcc/Vdd) 1.65 V ~ 3.6 V Data Converters A/D 12x12b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type Package / Case 64-WFQFN Exposed Pad Supplier Device Package 64-QFN (9x9)	Core Processor	ARM? Cortex?-M3
Connectivity CSIO, I2C, SPI, UART/USART Peripherals LVD, POR, PWM, WDT Number of I/O 51 Program Memory Size 160KB (160K x 8) Program Memory Type FLASH EEPROM Size - RAM Size Voltage - Supply (Vcc/Vdd) 1.65 V ~ 3.6 V Data Converters A/D 12x12b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type Package / Case 64-WFQFN Exposed Pad Supplier Device Package	Core Size	32-Bit
Peripherals LVD, POR, PWM, WDT Number of I/O 51 Program Memory Size 160KB (160K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 16K x 8 Voltage - Supply (Vcc/Vdd) 1.65 V ~ 3.6 V Data Converters A/D 12x12b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case Supplier Device Package 64-QFN (9x9)	Speed	40MHz
Number of I/O Program Memory Size 160KB (160K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 16K x 8 Voltage - Supply (Vcc/Vdd) Data Converters A/D 12x12b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 64-WFQFN Exposed Pad Supplier Device Package	Connectivity	CSIO, I2C, SPI, UART/USART
Program Memory Size Program Memory Type FLASH EEPROM Size RAM Size 16K x 8 Voltage - Supply (Vcc/Vdd) 1.65 V ~ 3.6 V Data Converters A/D 12x12b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 64-WFQFN Exposed Pad Supplier Device Package 64-QFN (9x9)	Peripherals	LVD, POR, PWM, WDT
Program Memory Type EEPROM Size RAM Size 16K x 8 Voltage - Supply (Vcc/Vdd) Data Converters A/D 12x12b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 64-WFQFN Exposed Pad Supplier Device Package	Number of I/O	51
EEPROM Size - 16K x 8 Voltage - Supply (Vcc/Vdd) 1.65 V ~ 3.6 V Data Converters A/D 12x12b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 64-WFQFN Exposed Pad Supplier Device Package 64-QFN (9x9)	Program Memory Size	160KB (160K x 8)
RAM Size 16K x 8 Voltage - Supply (Vcc/Vdd) 1.65 V ~ 3.6 V Data Converters A/D 12x12b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 64-WFQFN Exposed Pad Supplier Device Package 64-QFN (9x9)	Program Memory Type	FLASH
Voltage - Supply (Vcc/Vdd)1.65 V ~ 3.6 VData ConvertersA/D 12x12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case64-WFQFN Exposed PadSupplier Device Package64-QFN (9x9)	EEPROM Size	-
Data Converters A/D 12x12b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 64-WFQFN Exposed Pad Supplier Device Package 64-QFN (9x9)	RAM Size	16K x 8
Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 64-WFQFN Exposed Pad Supplier Device Package 64-QFN (9x9)	Voltage - Supply (Vcc/Vdd)	1.65 V ~ 3.6 V
Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 64-WFQFN Exposed Pad Supplier Device Package 64-QFN (9x9)	Data Converters	A/D 12x12b
Mounting Type - Package / Case 64-WFQFN Exposed Pad Supplier Device Package 64-QFN (9x9)	Oscillator Type	Internal
Package / Case 64-WFQFN Exposed Pad Supplier Device Package 64-QFN (9x9)	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package 64-QFN (9x9)	Mounting Type	-
	Package / Case	64-WFQFN Exposed Pad
Report errors?	Supplier Device Package	64-QFN (9x9)
		Report errors?

MB9AF142LBQN-G-AVE2 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.

MB9AF142LBQN-G-AVE2 Payment Methods





















MB9AF142LBQN-G-AVE2 Shipping Methods













If you have any question about MB9AF142LBQN-G-AVE2, please do not hesitate to contact us!

Website: https://www.heisener.com E-mail: salesdept@heisener.com