



MC9S08QG8CFKE Information



For Reference Only

Part Number MC9S08QG8CFKE

Manufacturer NXP

Category Integrated Circuits (ICs)

Embedded - Microcontrollers

Description IC MCU 8BIT 8KB FLASH 24QFN

Package 24-VFQFN Exposed Pad

For the pricing/inventory/lead time, please contact

us

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



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MC9S08QG8CFKE Specifications

Manufacturer Part Number MC9508QGSCFKE Manufacturer NXP Category Integrated Circuits (ICs) Package 24-VFQFN Exposed Pad Series 508 Core Processor 508 Core Size 8-Bit Speed 20MHz Connectivity 12C, SCI, SPI Peripherals LVD, POR, PWM, WDT Number of I/O 12 Program Memory Size 8KB (8K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 512 x 8 Voltage - Supply (Vcc/Vdd) 1.8 V ~ 3.6 V Data Converters A/D 8x10b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 24-VFQFN Exposed Pad Supplier Device Package 14-QFN-EP (4x4)		
Category Integrated Circuits (ICs) Embedded - Microcontrollers Package 24-VFQFN Exposed Pad Series S08 Core Processor S08 Core Size 8-Bit Speed 20MHz Connectivity 12C, SCI, SPI Peripherals LVD, POR, PWM, WDT Number of I/O 12 Program Memory Size 8KB (8K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 512 x 8 Voltage - Supply (Vcc/Vdd) 1.8 V ~ 3.6 V Data Converters A/D 8x10b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 24-VFQFN Exposed Pad Supplier Device Package 24-QFN-EP (4x4)	Manufacturer Part Number	MC9S08QG8CFKE
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Package 24-VFQFN Exposed Pad Series S08 Core Processor \$08 Core Size \$-Bit Speed 20MHz Connectivity I2C, SCI, SPI Peripherals LVD, POR, PWM, WDT Number of I/O 12 Program Memory Size 8KB (8K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 512 x 8 Voltage - Supply (Vcc/Vdd) 1.8 V ~ 3.6 V Data Converters A/D 8x10b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 24-VFQFN Exposed Pad Supplier Device Package 24-QFN-EP (4x4)	Category	Integrated Circuits (ICs)
Series S08 Core Processor \$08 Core Size \$-Bit Speed 20MHz Connectivity 12C, SCI, SPI Peripherals LVD, POR, PWM, WDT Number of I/O 12 Program Memory Size 8KB (8K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 512 x 8 Voltage - Supply (Vcc/Vdd) 1.8 V ~ 3.6 V Data Converters A/D 8x10b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 24-VFQFN Exposed Pad Supplier Device Package 24-QFN-EP (4x4)		Embedded - Microcontrollers
Core Processor \$08 Core Size \$8-Bit Speed 20MHz Connectivity 12C, SCI, SPI Peripherals LVD, POR, PWM, WDT Number of I/O 12 Program Memory Size 8KB (8K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 512 x 8 Voltage - Supply (Vcc/Vdd) 1.8 V ~ 3.6 V Data Converters A/D 8x10b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 24-VFQFN Exposed Pad Supplier Device Package 24-QFN-EP (4x4)	Package	24-VFQFN Exposed Pad
Core Size8-BitSpeed20MHzConnectivity12C, SCI, SPIPeripheralsLVD, POR, PWM, WDTNumber of I/O12Program Memory Size8KB (8K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size512 x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 8x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case24-VFQFN Exposed PadSupplier Device Package24-QFN-EP (4x4)	Series	S08
Speed20MHzConnectivityI2C, SCI, SPIPeripheralsLVD, POR, PWM, WDTNumber of I/O12Program Memory Size8KB (8K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size512 x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 8x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case24-VFQFN Exposed PadSupplier Device Package24-QFN-EP (4x4)	Core Processor	S08
Connectivity Peripherals LVD, POR, PWM, WDT Number of I/O 12 Program Memory Size 8KB (8K x 8) Program Memory Type FLASH EEPROM Size - RAM Size Voltage - Supply (Vcc/Vdd) 1.8 V ~ 3.6 V Data Converters A/D 8x10b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type Package / Case Supplier Device Package 24-VFQFN Exposed Pad Sumbar Supplier Device Package	Core Size	8-Bit
Peripherals Number of I/O 12 Program Memory Size 8KB (8K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 512 x 8 Voltage - Supply (Vcc/Vdd) 1.8 V ~ 3.6 V Data Converters A/D 8x10b Oscillator Type Internal Operating Temperature 40°C ~ 85°C (TA) Mounting Type - Package / Case Supplier Device Package LVD, POR, PWM, WDT 12 12 12 12 Non 12 NEB (SK x 8) FLASH FLASH - Internal - 40°C ~ 85°C (TA) A/D 8x10b 24-VFQFN Exposed Pad Supplier Device Package	Speed	20MHz
Number of I/O Program Memory Size 8KB (8K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 512 x 8 Voltage - Supply (Vcc/Vdd) 1.8 V ~ 3.6 V Data Converters A/D 8x10b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 24-VFQFN Exposed Pad Supplier Device Package	Connectivity	I2C, SCI, SPI
Program Memory Size Program Memory Type FLASH EEPROM Size - RAM Size 512 x 8 Voltage - Supply (Vcc/Vdd) 1.8 V ~ 3.6 V Data Converters A/D 8x10b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case Supplier Device Package 24-VFQFN Exposed Pad Supplier Device Package	Peripherals	LVD, POR, PWM, WDT
Program Memory Type EEPROM Size - RAM Size 512 x 8 Voltage - Supply (Vcc/Vdd) Data Converters A/D 8x10b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 24-VFQFN Exposed Pad Supplier Device Package	Number of I/O	12
EEPROM Size - 512 x 8 Voltage - Supply (Vcc/Vdd) 1.8 V ~ 3.6 V Data Converters A/D 8x10b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 24-VFQFN Exposed Pad Supplier Device Package 24-QFN-EP (4x4)	Program Memory Size	8KB (8K x 8)
RAM Size 512 x 8 Voltage - Supply (Vcc/Vdd) 1.8 V ~ 3.6 V Data Converters A/D 8x10b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 24-VFQFN Exposed Pad Supplier Device Package 24-QFN-EP (4x4)	Program Memory Type	FLASH
Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 8x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case24-VFQFN Exposed PadSupplier Device Package24-QFN-EP (4x4)	EEPROM Size	-
Data ConvertersA/D 8x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case24-VFQFN Exposed PadSupplier Device Package24-QFN-EP (4x4)	RAM Size	512 x 8
Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 24-VFQFN Exposed Pad Supplier Device Package 24-QFN-EP (4x4)	Voltage - Supply (Vcc/Vdd)	1.8 V ~ 3.6 V
Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 24-VFQFN Exposed Pad Supplier Device Package 24-QFN-EP (4x4)	Data Converters	A/D 8x10b
Mounting Type - Package / Case 24-VFQFN Exposed Pad Supplier Device Package 24-QFN-EP (4x4)	Oscillator Type	Internal
Package / Case 24-VFQFN Exposed Pad Supplier Device Package 24-QFN-EP (4x4)	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package 24-QFN-EP (4x4)	Mounting Type	-
	Package / Case	24-VFQFN Exposed Pad
Report errors?	Supplier Device Package	24-QFN-EP (4x4)
		Report errors?

MC9S08QG8CFKE Guarantees



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MC9S08QG8CFKE Shipping Methods













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