



MCF51AG96VQH Information



For Reference Only

Part Number MCF51AG96VQH

Manufacturer NXP

Category Integrated Circuits (ICs)

Embedded - Microcontrollers

Description IC MCU 32BIT 96KB FLASH 64QFP

Package 64-QFF

For the pricing/inventory/lead time, please contact

us

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



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MCF51AG96VQH Specifications

Manufacturer Part Number MCF51AG96VQH Manufacturer NXP Category Integrated Circuits (ICs) Embedded - Microcontrollers Package 64-QFP Series MCF51AG Core Processor Coldfire V1 Core Size 32-Bit Speed 50MHz Connectivity 12C, SCI, SPI Peripherals DMA, LVD, PWM, WDT Number of I/O 53 Program Memory Size 96KB (96K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 16K x 8 Voltage - Supply (Vcc/Vdd) 2.7 V ~ 5.5 V Data Converters A/D 19x12b Oscillator Type Internal Operating Temperature -40°C ~ 105°C (TA) Mounting Type - Package / Case 64-QFP		
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Speed 50MHz Connectivity 12C, SCI, SPI Peripherals DMA, LVD, PWM, WDT Number of I/O 53 Program Memory Size 96KB (96K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 16K x 8 Voltage - Supply (Vcc/Vdd) 2.7 V ~ 5.5 V Data Converters A/D 19x12b Oscillator Type Internal Operating Temperature -40°C ~ 105°C (TA) Mounting Type - Package / Case 64-QFP	Core Processor	Coldfire V1
Connectivity Peripherals DMA, LVD, PWM, WDT Number of I/O 53 Program Memory Size 96KB (96K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 16K x 8 Voltage - Supply (Vcc/Vdd) 2.7 V ~ 5.5 V Data Converters A/D 19x12b Oscillator Type Internal Operating Temperature -40°C ~ 105°C (TA) Mounting Type - Package / Case 64-QFP	Core Size	32-Bit
Peripherals DMA, LVD, PWM, WDT S1 Number of I/O 53 Program Memory Size 96KB (96K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 16K x 8 Voltage - Supply (Vcc/Vdd) 2.7 V ~ 5.5 V Data Converters A/D 19x12b Oscillator Type Internal Operating Temperature -40°C ~ 105°C (TA) Mounting Type Package / Case 64-QFP	Speed	50MHz
Number of I/O 53 Program Memory Size 96KB (96K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 16K x 8 Voltage - Supply (Vcc/Vdd) 2.7 V ~ 5.5 V Data Converters A/D 19x12b Oscillator Type Internal Operating Temperature -40°C ~ 105°C (TA) Mounting Type - Package / Case 64-QFP	Connectivity	I2C, SCI, SPI
Program Memory Size 96KB (96K x 8) Program Memory Type FLASH EEPROM Size RAM Size 16K x 8 Voltage - Supply (Vcc/Vdd) 2.7 V ~ 5.5 V Data Converters A/D 19x12b Oscillator Type Internal Operating Temperature -40°C ~ 105°C (TA) Mounting Type - Package / Case 64-QFP	Peripherals	DMA, LVD, PWM, WDT
Program Memory Type FLASH EEPROM Size - RAM Size 16K x 8 Voltage - Supply (Vcc/Vdd) 2.7 V ~ 5.5 V Data Converters A/D 19x12b Oscillator Type Internal Operating Temperature -40°C ~ 105°C (TA) Mounting Type - Package / Case 64-QFP	Number of I/O	53
EEPROM Size - 16K x 8 Voltage - Supply (Vcc/Vdd) 2.7 V ~ 5.5 V Data Converters A/D 19x12b Oscillator Type Internal Operating Temperature -40°C ~ 105°C (TA) Mounting Type - Package / Case 64-QFP	Program Memory Size	96KB (96K x 8)
RAM Size $16K \times 8$ Voltage - Supply (Vcc/Vdd) $2.7 \text{ V} \sim 5.5 \text{ V}$ Data Converters $A/D 19x12b$ Oscillator Type $Internal$ Operating Temperature $-40^{\circ}\text{C} \sim 105^{\circ}\text{C} \text{ (TA)}$ Mounting Type $-$ Package / Case $64-\text{QFP}$	Program Memory Type	FLASH
Voltage - Supply (Vcc/Vdd)2.7 V ~ 5.5 VData ConvertersA/D 19x12bOscillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case64-QFP	EEPROM Size	-
Data ConvertersA/D $19x12b$ Oscillator TypeInternalOperating Temperature $-40^{\circ}\text{C} \sim 105^{\circ}\text{C}$ (TA)Mounting Type-Package / Case 64-QFP	RAM Size	16K x 8
Oscillator Type Internal Operating Temperature -40°C ~ 105°C (TA) Mounting Type - Package / Case 64-QFP	Voltage - Supply (Vcc/Vdd)	2.7 V ~ 5.5 V
Operating Temperature $ -40^{\circ}\text{C} \sim 105^{\circ}\text{C (TA)} $ Mounting Type $ - $ Package / Case $ 64\text{-QFP} $	Data Converters	A/D 19x12b
Mounting Type Case 64-QFP	Oscillator Type	Internal
Package / Case 64-QFP	Operating Temperature	-40°C ~ 105°C (TA)
-	Mounting Type	-
Supplier Davids Package (4.0ED (14v14))	Package / Case	64-QFP
Supplier Device Package 64-QFP (14x14)	Supplier Device Package	64-QFP (14x14)
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Service Guarantees

We guarantee 100% customer satisfaction.

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

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MCF51AG96VQH Shipping Methods













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