

# MC9S08DN60ACLH

#### MC9S08DN60ACLH Information



For Reference Only

Part Number MC9S08DN60ACLH

Manufacturer NXP

Category Integrated Circuits (ICs)

Embedded - Microcontrollers

**Description** IC MCU 8BIT 60KB FLASH 64LQFP

Package 64-LQFI

For the pricing/inventory/lead time, please contact

us

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



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## MC9S08DN60ACLH Specifications

Manufacturer Part Number         MC9S08DN60ACLH           Manufacturer         NXP           Category         Integrated Circuits (ICs)           Embedded - Microcontrollers           Package         64-LQFP           Series         S08           Core Processor         S08           Core Size         8-Bit           Speed         40MHz           Connectivity         12C, LIN, SCI, SPI           Peripherals         LVD, POR, PWM, WDT           Number of I/O         53           Program Memory Size         60KB (60K x 8)           Program Memory Type         FLASH           EEPROM Size         2K x 8           RAM Size         2K x 8           Voltage - Supply (Vcc/Vdd)         2.7 V ~ 5.5 V           Data Converters         A/D 16x12b           Oscillator Type         External           Operating Temperature         -40°C ~ 85°C (TA)           Mounting Type         -           Package / Case         64-LQFP           Supplier Device Package         64-LQFP	•	
Category         Integrated Circuits (ICs)           Embedded - Microcontrollers           Package         64-LQFP           Series         S08           Core Processor         S08           Core Size         8-Bit           Speed         40MHz           Connectivity         12C, LIN, SCI, SPI           Peripherals         LVD, POR, PWM, WDT           Number of I/O         53           Program Memory Size         60KB (60K x 8)           Program Memory Type         FLASH           EEPROM Size         2K x 8           RAM Size         2K x 8           Voltage - Supply (Vcc/Vdd)         2.7 V ~ 5.5 V           Data Converters         A/D 16x12b           Oscillator Type         External           Operating Temperature         -40°C ~ 85°C (TA)           Mounting Type         -           Package / Case         64-LQFP           Supplier Device Package         64-LQFP (10x10)	Manufacturer Part Number	MC9S08DN60ACLH
Package         64-LQFP           Series         S08           Core Processor         S08           Core Size         8-Bit           Speed         40MHz           Connectivity         12C, LIN, SCI, SPI           Peripherals         LVD, POR, PWM, WDT           Number of I/O         53           Program Memory Size         60KB (60K x 8)           Program Memory Type         FLASH           EEPROM Size         2K x 8           RAM Size         2K x 8           Voltage - Supply (Vcc/Vdd)         2.7 V ~ 5.5 V           Data Converters         A/D 16x12b           Oscillator Type         External           Operating Temperature         -40°C ~ 85°C (TA)           Mounting Type         -           Package / Case         64-LQFP           Supplier Device Package         64-LQFP (10x10)	Manufacturer	NXP
Package         64-LQFP           Series         S08           Core Processor         S08           Core Size         8-Bit           Speed         40MHz           Connectivity         I2C, LIN, SCI, SPI           Peripherals         LVD, POR, PWM, WDT           Number of I/O         53           Program Memory Size         60KB (60K x 8)           Program Memory Type         FLASH           EEPROM Size         2K x 8           RAM Size         2K x 8           Voltage - Supply (Vcc/Vdd)         2.7 V ~ 5.5 V           Data Converters         A/D 16x12b           Oscillator Type         External           Operating Temperature         -40°C ~ 85°C (TA)           Mounting Type         -           Package / Case         64-LQFP           Supplier Device Package         64-LQFP	Category	Integrated Circuits (ICs)
Series         \$08           Core Processor         \$08           Core Size         \$-Bit           Speed         40MHz           Connectivity         12C, LIN, SCI, SPI           Peripherals         LVD, POR, PWM, WDT           Number of I/O         53           Program Memory Size         60KB (60K x 8)           Program Memory Type         FLASH           EEPROM Size         2K x 8           RAM Size         2K x 8           Voltage - Supply (Vcc/Vdd)         2.7 V ~ 5.5 V           Data Converters         A/D 16x12b           Oscillator Type         External           Operating Temperature         -40°C ~ 85°C (TA)           Mounting Type         -           Package / Case         64-LQFP           Supplier Device Package         64-LQFP (10x10)		Embedded - Microcontrollers
Core Processor         \$0.8           Core Size         \$8-Bit           Speed         40MHz           Connectivity         12C, LIN, SCI, SPI           Peripherals         LVD, POR, PWM, WDT           Number of I/O         53           Program Memory Size         60KB (60K x 8)           Program Memory Type         FLASH           EEPROM Size         2K x 8           RAM Size         2K x 8           Voltage - Supply (Vcc/Vdd)         2.7 V ~ 5.5 V           Data Converters         A/D 16x12b           Oscillator Type         External           Operating Temperature         -40°C ~ 85°C (TA)           Mounting Type         -           Package / Case         64-LQFP           Supplier Device Package         64-LQFP (10x10)	Package	64-LQFP
Core Size         8-Bit           Speed         40MHz           Connectivity         12C, LIN, SCI, SPI           Peripherals         LVD, POR, PWM, WDT           Number of I/O         53           Program Memory Size         60KB (60K x 8)           Program Memory Type         FLASH           EEPROM Size         2K x 8           RAM Size         2K x 8           Voltage - Supply (Vcc/Vdd)         2.7 V ~ 5.5 V           Data Converters         A/D 16x12b           Oscillator Type         External           Operating Temperature         -40°C ~ 85°C (TA)           Mounting Type         -           Package / Case         64-LQFP           Supplier Device Package         64-LQFP (10x10)	Series	S08
Speed 40MHz Connectivity 12C, LIN, SCI, SPI Peripherals LVD, POR, PWM, WDT Number of I/O 53 Program Memory Size 60KB (60K x 8) Program Memory Type FLASH EEPROM Size 2K x 8 RAM Size 2K x 8 Voltage - Supply (Vcc/Vdd) 2.7 V ~ 5.5 V Data Converters A/D 16x12b Oscillator Type External Operating Temperature -40°C ~ 85°C (TA) Mounting Type Package / Case 64-LQFP Supplier Device Package 64-LQFP (10x10)	Core Processor	S08
Connectivity Peripherals LVD, POR, PWM, WDT Number of I/O 53 Program Memory Size 60KB (60K x 8) Program Memory Type FLASH EEPROM Size 2K x 8 RAM Size Voltage - Supply (Vcc/Vdd) 2.7 V ~ 5.5 V Data Converters A/D 16x12b Oscillator Type External Operating Temperature -40°C ~ 85°C (TA) Mounting Type Package / Case Supplier Device Package 64-LQFP (10x10)	Core Size	8-Bit
Peripherals  LVD, POR, PWM, WDT  Number of I/O  53  Program Memory Size  60KB (60K x 8)  Program Memory Type  FLASH  EEPROM Size  2K x 8  RAM Size  2K x 8  Voltage - Supply (Vcc/Vdd)  2.7 V ~ 5.5 V  Data Converters  A/D 16x12b  Oscillator Type  External  Operating Temperature  40°C ~ 85°C (TA)  Mounting Type  -  Package / Case  Supplier Device Package  64-LQFP  64-LQFP (10x10)	Speed	40MHz
Number of I/O  Program Memory Size  60KB (60K x 8)  Program Memory Type  FLASH  EEPROM Size  2K x 8  RAM Size  2K x 8  Voltage - Supply (Vcc/Vdd)  Data Converters  A/D 16x12b  Oscillator Type  External  Operating Temperature  -40°C ~ 85°C (TA)  Mounting Type  - Package / Case  Supplier Device Package  64-LQFP (10x10)	Connectivity	I2C, LIN, SCI, SPI
Program Memory Size 60KB (60K x 8)  Program Memory Type FLASH  EEPROM Size 2K x 8  RAM Size 2K x 8  Voltage - Supply (Vcc/Vdd) 2.7 V ~ 5.5 V  Data Converters A/D 16x12b  Oscillator Type External Operating Temperature -40°C ~ 85°C (TA)  Mounting Type - Package / Case 64-LQFP  Supplier Device Package 64-LQFP (10x10)	Peripherals	LVD, POR, PWM, WDT
Program Memory Type  EEPROM Size  2K x 8  RAM Size  2K x 8  Voltage - Supply (Vcc/Vdd)  2.7 V ~ 5.5 V  Data Converters  A/D 16x12b  Oscillator Type  External  Operating Temperature  -40°C ~ 85°C (TA)  Mounting Type  - Package / Case  64-LQFP  Supplier Device Package	Number of I/O	53
EEPROM Size 2K x 8  RAM Size 2K x 8  Voltage - Supply (Vcc/Vdd) 2.7 V ~ 5.5 V  Data Converters A/D 16x12b  Oscillator Type External  Operating Temperature -40°C ~ 85°C (TA)  Mounting Type -  Package / Case 64-LQFP  Supplier Device Package 64-LQFP (10x10)	Program Memory Size	60KB (60K x 8)
RAM Size 2K x 8  Voltage - Supply (Vcc/Vdd) 2.7 V ~ 5.5 V  Data Converters A/D 16x12b  Oscillator Type External  Operating Temperature -40°C ~ 85°C (TA)  Mounting Type -  Package / Case 64-LQFP  Supplier Device Package 64-LQFP (10x10)	Program Memory Type	FLASH
Voltage - Supply (Vcc/Vdd)2.7 V ~ 5.5 VData ConvertersA/D 16x12bOscillator TypeExternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case64-LQFPSupplier Device Package64-LQFP (10x10)	EEPROM Size	2K x 8
Data Converters  A/D 16x12b  Oscillator Type  External  Operating Temperature  -40°C ~ 85°C (TA)  Mounting Type  - Package / Case  64-LQFP  Supplier Device Package  64-LQFP (10x10)	RAM Size	2K x 8
Oscillator Type External  Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ (TA)  Mounting Type -  Package / Case $64\text{-LQFP}$ Supplier Device Package $64\text{-LQFP}$ $64\text{-LQFP}$ $(10x10)$	Voltage - Supply (Vcc/Vdd)	2.7 V ~ 5.5 V
Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C} \text{ (TA)}$ Mounting Type $-$ Package / Case $64\text{-LQFP}$ Supplier Device Package $64\text{-LQFP} (10x10)$	Data Converters	A/D 16x12b
Mounting Type - Package / Case 64-LQFP Supplier Device Package 64-LQFP (10x10)	Oscillator Type	External
Package / Case 64-LQFP Supplier Device Package 64-LQFP (10x10)	Operating Temperature	$-40^{\circ}\text{C} \sim 85^{\circ}\text{C} \text{ (TA)}$
Supplier Device Package 64-LQFP (10x10)	Mounting Type	-
	Package / Case	64-LQFP
Report errors?	Supplier Device Package	64-LQFP (10x10)
		Report errors?

### MC9S08DN60ACLH 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.

### MC9S08DN60ACLH Payment Methods



















### MC9S08DN60ACLH Shipping Methods













If you have any question about MC9S08DN60ACLH, please do not hesitate to contact us!

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