



### MC56F8247VLHR Information



For Reference Only

Part Number MC56F8247VLHR

Manufacturer NXP

Category Integrated Circuits (ICs)

Embedded - Microcontrollers

**Description** 16-BIT DSC 56800E CORE 48KB FL

Package 64-LQFF

For the pricing/inventory/lead time, please contact

us

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



Request a Quote

## **Certified Quality**

Heisener's commitment to quality has shaped our processes for sourcing, testing, shipping, and every step in between. This foundation underlies each component we sell.









# MC56F8247VLHR Specifications

Manufacturer Part Number         MC56F8247VLHR           Manufacturer         NXP           Category         Integrated Circuits (ICs)           Embedded - Microcontrollers           Package         64-LQFP           Series         56F8xxx           Core Processor         56800E           Core Size         16-Bit           Speed         60MHz           Connectivity         CANbus, PC, LINbus, SCI, SPI           Peripherals         LVD, POR, PWM, WDT           Number of I/O         54           Program Memory Size         48KB (24K x 16)           Program Memory Type         FLASH           EEPROM Size         -           RAM Size         4K x 16           Voltage - Supply (Vcc/Vdd)         3 V ~ 3.6 V           Data Converters         A/D 16x12b, D/A 1x12b           Oscillator Type         Internal           Operating Temperature         -40°C ~ 105°C (TA)           Mounting Type         -           Package / Case         64-LQFP           Supplier Device Package         64-LQFP           Supplier Device Package         64-LQFP	•	
Category         Integrated Circuits (ICs)           Embedded - Microcontrollers           Package         64-LQFP           Series         56F8xxx           Core Processor         56800E           Core Size         16-Bit           Speed         60MHz           Connectivity         CANbus, PC, LINbus, SCI, SPI           Peripherals         LVD, POR, PWM, WDT           Number of I/O         54           Program Memory Size         48KB (24K x 16)           Program Memory Type         FLASH           EEPROM Size         -           RAM Size         4K x 16           Voltage - Supply (Vcc/Vdd)         3 V ~ 3.6 V           Data Converters         A/D 16x12b, D/A 1x12b           Oscillator Type         Internal           Operating Temperature         -40°C ~ 105°C (TA)           Mounting Type         -           Package / Case         64-LQFP           Supplier Device Package         64-LQFP	Manufacturer Part Number	MC56F8247VLHR
Package         64-LQFP           Series         56F8xxx           Core Processor         56800E           Core Size         16-Bit           Speed         60MHz           Connectivity         CANbus, PC, LINbus, SCI, SPI           Peripherals         LVD, POR, PWM, WDT           Number of I/O         54           Program Memory Size         48KB (24K x 16)           Program Memory Type         FLASH           EEPROM Size         -           RAM Size         4K x 16           Voltage - Supply (Vcc/Vdd)         3 V ~ 3.6 V           Data Converters         A/D 16x12b, D/A 1x12b           Oscillator Type         Internal           Operating Temperature         -40°C ~ 105°C (TA)           Mounting Type         -           Package / Case         64-LQFP           Supplier Device Package         64-LQFP (10x10)	Manufacturer	NXP
Package         64-LQFP           Series         56F8xxx           Core Processor         56800E           Core Size         16-Bit           Speed         60MHz           Connectivity         CANbus, PC, LINbus, SCI, SPI           Peripherals         LVD, POR, PWM, WDT           Number of I/O         54           Program Memory Size         48KB (24K x 16)           Program Memory Type         FLASH           EEPROM Size         -           RAM Size         4K x 16           Voltage - Supply (Vcc/Vdd)         3 V ~ 3.6 V           Data Converters         A/D 16x12b, D/A 1x12b           Oscillator Type         Internal           Operating Temperature         -40°C ~ 105°C (TA)           Mounting Type         -           Package / Case         64-LQFP           Supplier Device Package         64-LQFP	Category	Integrated Circuits (ICs)
Series         56F8xxx           Core Processor         56800E           Core Size         16-Bit           Speed         60MHz           Connectivity         CANbus, I*C, LINbus, SCI, SPI           Peripherals         LVD, POR, PWM, WDT           Number of I/O         54           Program Memory Size         48KB (24K x 16)           Program Memory Type         FLASH           EEPROM Size         -           RAM Size         4K x 16           Voltage - Supply (Vcc/Vdd)         3 V ~ 3.6 V           Data Converters         A/D 16x12b, D/A 1x12b           Oscillator Type         Internal           Operating Temperature         -40°C ~ 105°C (TA)           Mounting Type         -           Package / Case         64-LQFP           Supplier Device Package         64-LQFP (10x10)		Embedded - Microcontrollers
Core Processor         56800E           Core Size         16-Bit           Speed         60MHz           Connectivity         CANbus, I²C, LINbus, SCI, SPI           Peripherals         LVD, POR, PWM, WDT           Number of I/O         54           Program Memory Size         48KB (24K x 16)           Program Memory Type         FLASH           EEPROM Size         -           RAM Size         4K x 16           Voltage - Supply (Vcc/Vdd)         3 V ~ 3.6 V           Data Converters         A/D 16x12b, D/A 1x12b           Oscillator Type         Internal           Operating Temperature         -40°C ~ 105°C (TA)           Mounting Type         -           Package / Case         64-LQFP           Supplier Device Package         64-LQFP (10x10)	Package	64-LQFP
Core Size         16-Bit           Speed         60MHz           Connectivity         CANbus, I°C, LINbus, SCI, SPI           Peripherals         LVD, POR, PWM, WDT           Number of I/O         54           Program Memory Size         48KB (24K x 16)           Program Memory Type         FLASH           EEPROM Size         -           RAM Size         4K x 16           Voltage - Supply (Vcc/Vdd)         3 V ~ 3.6 V           Data Converters         A/D 16x12b, D/A 1x12b           Oscillator Type         Internal           Operating Temperature         -40°C ~ 105°C (TA)           Mounting Type         -           Package / Case         64-LQFP           Supplier Device Package         64-LQFP (10x10)	Series	56F8xxx
Speed60MHzConnectivityCANbus, PC, LINbus, SCI, SPIPeripheralsLVD, POR, PWM, WDTNumber of I/O54Program Memory Size48KB (24K x 16)Program Memory TypeFLASHEEPROM Size-RAM Size4K x 16Voltage - Supply (Vcc/Vdd)3 V ~ 3.6 VData ConvertersA/D 16x12b, D/A 1x12bOscillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case64-LQFPSupplier Device Package64-LQFP (10x10)	Core Processor	56800E
Connectivity  CANbus, PC, LINbus, SCI, SPI  Peripherals  LVD, POR, PWM, WDT  Number of I/O  54  Program Memory Size  48KB (24K x 16)  Program Memory Type  FLASH  EEPROM Size  -  RAM Size  Voltage - Supply (Vcc/Vdd)  3 V ~ 3.6 V  Data Converters  A/D 16x12b, D/A 1x12b  Oscillator Type  Internal  Operating Temperature  -40°C ~ 105°C (TA)  Mounting Type  Supplier Device Package  64-LQFP  64-LQFP (10x10)	Core Size	16-Bit
Peripherals  Number of I/O  54  Program Memory Size  48KB (24K x 16)  Program Memory Type  FLASH  EEPROM Size  -  RAM Size  4K x 16  Voltage - Supply (Vcc/Vdd)  Data Converters  A/D 16x12b, D/A 1x12b  Oscillator Type  Internal  Operating Temperature  40°C ~ 105°C (TA)  Mounting Type  -  Package / Case  Supplier Device Package  64-LQFP (10x10)	Speed	60MHz
Number of I/O Program Memory Size 48KB (24K x 16) Program Memory Type FLASH EEPROM Size - RAM Size 4K x 16 Voltage - Supply (Vcc/Vdd) 3 V ~ 3.6 V Data Converters A/D 16x12b, D/A 1x12b Oscillator Type Internal Operating Temperature -40°C ~ 105°C (TA) Mounting Type - Package / Case Supplier Device Package 64-LQFP (10x10)	Connectivity	CANbus, I <sup>2</sup> C, LINbus, SCI, SPI
Program Memory Size  48KB (24K x 16)  Program Memory Type  FLASH  EEPROM Size  -  RAM Size  4K x 16  Voltage - Supply (Vcc/Vdd)  3 V ~ 3.6 V  Data Converters  A/D 16x12b, D/A 1x12b  Oscillator Type  Internal  Operating Temperature  -40°C ~ 105°C (TA)  Mounting Type  -  Package / Case  64-LQFP  Supplier Device Package  64-LQFP (10x10)	Peripherals	LVD, POR, PWM, WDT
Program Memory Type  EEPROM Size  RAM Size  4K x 16  Voltage - Supply (Vcc/Vdd)  Data Converters  A/D 16x12b, D/A 1x12b  Oscillator Type  Internal  Operating Temperature  -40°C ~ 105°C (TA)  Mounting Type  - Package / Case  64-LQFP  Supplier Device Package	Number of I/O	54
EEPROM Size - 4K x 16  Voltage - Supply (Vcc/Vdd) 3 V ~ 3.6 V  Data Converters A/D 16x12b, D/A 1x12b  Oscillator Type Internal  Operating Temperature -40°C ~ 105°C (TA)  Mounting Type - Package / Case 64-LQFP  Supplier Device Package 64-LQFP (10x10)	Program Memory Size	48KB (24K x 16)
RAM Size 4K x 16  Voltage - Supply (Vcc/Vdd) 3 V ~ 3.6 V  Data Converters A/D 16x12b, D/A 1x12b  Oscillator Type Internal  Operating Temperature -40°C ~ 105°C (TA)  Mounting Type -  Package / Case 64-LQFP  Supplier Device Package 64-LQFP (10x10)	Program Memory Type	FLASH
Voltage - Supply (Vcc/Vdd)  Data Converters  A/D 16x12b, D/A 1x12b  Oscillator Type  Internal  Operating Temperature  -40°C ~ 105°C (TA)  Mounting Type  - Package / Case  64-LQFP  Supplier Device Package  64-LQFP (10x10)	EEPROM Size	-
Data Converters  A/D 16x12b, D/A 1x12b  Oscillator Type  Internal  Operating Temperature  -40°C ~ 105°C (TA)  Mounting Type  - Package / Case  64-LQFP  Supplier Device Package  64-LQFP (10x10)	RAM Size	4K x 16
Oscillator Type Internal Operating Temperature -40°C ~ 105°C (TA)  Mounting Type - Package / Case 64-LQFP Supplier Device Package 64-LQFP (10x10)	Voltage - Supply (Vcc/Vdd)	3 V ~ 3.6 V
Operating Temperature -40°C ~ 105°C (TA)  Mounting Type - Package / Case 64-LQFP  Supplier Device Package 64-LQFP (10x10)	Data Converters	A/D 16x12b, D/A 1x12b
Mounting Type - Package / Case 64-LQFP Supplier Device Package 64-LQFP (10x10)	Oscillator Type	Internal
Package / Case 64-LQFP Supplier Device Package 64-LQFP (10x10)	Operating Temperature	-40°C ~ 105°C (TA)
Supplier Device Package 64-LQFP (10x10)	Mounting Type	-
	Package / Case	64-LQFP
Report errors?	Supplier Device Package	64-LQFP (10x10)
		Report errors

#### MC56F8247VLHR 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.

### MC56F8247VLHR Payment Methods



















## MC56F8247VLHR Shipping Methods













If you have any question about MC56F8247VLHR, please do not hesitate to contact us!

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