



MC908QB8CDWE Information



For Reference Only

Part Number MC908QB8CDWE

Manufacturer NXP

Category Integrated Circuits (ICs)

Embedded - Microcontrollers

DescriptionIC MCU 8BIT 8KB FLASH 16SOIC**Package**16-SOIC (0.295", 7.50mm Width)

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.









MC908QB8CDWE Specifications

Manufacturer Part Number MC908QB8CDWE Manufacturer NXP Category Integrated Circuits (ICs) Embedded - Microcontrollers Package 16-SOIC (0.295", 7.50mm Width) Series HC08 Core Processor HC08 Core Size 8-Bit Speed 8MHz Connectivity SCI, SPI Peripherals LVD, POR, PWM Number of I/O 13 Program Memory Size 8KB (8K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 256 x 8 Voltage - Supply (Vcc/Vdd) 2.7 V ~ 5.5 V Data Converters A/D 10x10b Oscillator Type Internal Opcrating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 16-SOIC (0.295", 7.50mm Width) Supplier Device Package 16-SOIC		
Category Integrated Circuits (ICs) Embedded - Microcontrollers Package 16-SOIC (0.295", 7.50mm Width) Series HC08 Core Processor HC08 Core Size 8-Bit Speed 8MHz Connectivity SCI, SPI Peripherals LVD, POR, PWM Number of I/O 13 Program Memory Size 8KB (8K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 256 x 8 Voltage - Supply (Vcc/Vdd) 2.7 V ~ 5.5 V Data Converters A/D 10x10b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 16-SOIC (0.295", 7.50mm Width) Supplier Device Package 16-SOIC	Manufacturer Part Number	MC908QB8CDWE
Package 16-SOIC (0.295", 7.50mm Width) Series HC08 Core Processor HC08 Core Size 8-Bit Speed 8MHz Connectivity SCI, SPI Peripherals LVD, POR, PWM Number of I/O 13 Program Memory Size 8KB (8K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 256 x 8 Voltage - Supply (Vcc/Vdd) 2.7 V ~ 5.5 V Data Converters A/D 10x10b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 16-SOIC (0.295", 7.50mm Width) Supplier Device Package 16-SOIC	Manufacturer	NXP
Package 16-SOIC (0.295", 7.50mm Width) Series HC08 Core Processor HC08 Core Size 8-Bit Speed 8MHz Connectivity SCI, SPI Peripherals LVD, POR, PWM Number of I/O 13 Program Memory Size 8KB (8K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 256 x 8 Voltage - Supply (Vcc/Vdd) 2.7 V ~ 5.5 V Data Converters A/D 10x10b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 16-SOIC (0.295", 7.50mm Width) Supplier Device Package 16-SOIC	Category	Integrated Circuits (ICs)
Series HC08 Core Processor HC08 Core Size 8-Bit Speed 8MHz Connectivity SCI, SPI Peripherals LVD, POR, PWM Number of I/O 13 Program Memory Size 8KB (8K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 256 x 8 Voltage - Supply (Vcc/Vdd) 2.7 V ~ 5.5 V Data Converters A/D 10x10b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 16-SOIC (0.295", 7.50mm Width) Supplier Device Package 16-SOIC		Embedded - Microcontrollers
Core Processor HC08 Core Size 8-Bit Speed 8MHz Connectivity SCI, SPI Peripherals LVD, POR, PWM Number of I/O 13 Program Memory Size 8KB (8K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 256 x 8 Voltage - Supply (Vcc/Vdd) 2.7 V ~ 5.5 V Data Converters A/D 10x10b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 16-SOIC (0.295", 7.50mm Width) Supplier Device Package 16-SOIC	Package	16-SOIC (0.295", 7.50mm Width)
Core Size 8-Bit Speed 8MHz Connectivity SCI, SPI Peripherals LVD, POR, PWM Number of I/O 13 Program Memory Size 8KB (8K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 256 x 8 Voltage - Supply (Vcc/Vdd) 2.7 V ~ 5.5 V Data Converters A/D 10x10b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 16-SOIC (0.295", 7.50mm Width) Supplier Device Package 16-SOIC	Series	HC08
Speed8MHzConnectivitySCI, SPIPeripheralsLVD, POR, PWMNumber of I/O13Program Memory Size8KB (8K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size256 x 8Voltage - Supply (Vcc/Vdd)2.7 V ~ 5.5 VData ConvertersA/D 10x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case16-SOIC (0.295", 7.50mm Width)Supplier Device Package16-SOIC	Core Processor	HC08
Connectivity Peripherals LVD, POR, PWM Number of I/O 13 Program Memory Size 8KB (8K x 8) Program Memory Type FLASH EEPROM Size - RAM Size Voltage - Supply (Vcc/Vdd) 2.7 V ~ 5.5 V Data Converters A/D 10x10b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type Package / Case 16-SOIC (0.295", 7.50mm Width) Supplier Device Package	Core Size	8-Bit
Peripherals Number of I/O 13 Program Memory Size 8KB (8K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 256 x 8 Voltage - Supply (Vcc/Vdd) 2.7 V ~ 5.5 V Data Converters A/D 10x10b Oscillator Type Internal Operating Temperature A-0°C ~ 85°C (TA) Mounting Type - Package / Case 16-SOIC (0.295", 7.50mm Width) Supplier Device Package	Speed	8MHz
Number of I/O13Program Memory Size8KB (8K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size256 x 8Voltage - Supply (Vcc/Vdd)2.7 V ~ 5.5 VData ConvertersA/D 10x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case16-SOIC (0.295", 7.50mm Width)Supplier Device Package16-SOIC	Connectivity	SCI, SPI
Program Memory Size Program Memory Type FLASH EEPROM Size - RAM Size Voltage - Supply (Vcc/Vdd) 2.7 V ~ 5.5 V Data Converters A/D 10x10b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 16-SOIC (0.295", 7.50mm Width) Supplier Device Package	Peripherals	LVD, POR, PWM
Program Memory Type FLASH EEPROM Size - RAM Size 256 x 8 Voltage - Supply (Vcc/Vdd) 2.7 V ~ 5.5 V Data Converters A/D 10x10b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 16-SOIC (0.295", 7.50mm Width) Supplier Device Package 16-SOIC	Number of I/O	13
EEPROM Size - 256 x 8 Voltage - Supply (Vcc/Vdd) 2.7 V ~ 5.5 V Data Converters A/D 10x10b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 16-SOIC (0.295", 7.50mm Width) Supplier Device Package 16-SOIC	Program Memory Size	8KB (8K x 8)
RAM Size 256×8 Voltage - Supply (Vcc/Vdd) $2.7 \text{ V} \sim 5.5 \text{ V}$ Data Converters $A/D 10x10b$ Oscillator Type Internal $-40^{\circ}\text{C} \sim 85^{\circ}\text{C (TA)}$ Mounting Type $-$ Package / Case $16\text{-SOIC } (0.295^{\circ}\text{, 7.50mm Width)}$ Supplier Device Package	Program Memory Type	FLASH
Voltage - Supply (Vcc/Vdd) $2.7 \text{ V} \sim 5.5 \text{ V}$ Data ConvertersA/D $10x10b$ Oscillator TypeInternalOperating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ (TA)Mounting Type-Package / Case 16-SOIC (0.295° , 7.50mm Width)Supplier Device Package 16-SOIC	EEPROM Size	-
Data Converters A/D 10x10b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 16-SOIC (0.295", 7.50mm Width) Supplier Device Package 16-SOIC	RAM Size	256 x 8
Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 16-SOIC (0.295", 7.50mm Width) Supplier Device Package 16-SOIC	Voltage - Supply (Vcc/Vdd)	2.7 V ~ 5.5 V
Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 16-SOIC (0.295", 7.50mm Width) Supplier Device Package 16-SOIC	Data Converters	A/D 10x10b
Mounting Type - Package / Case 16-SOIC (0.295", 7.50mm Width) Supplier Device Package 16-SOIC	Oscillator Type	Internal
Package / Case 16-SOIC (0.295", 7.50mm Width) Supplier Device Package 16-SOIC	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package 16-SOIC	Mounting Type	-
	Package / Case	16-SOIC (0.295", 7.50mm Width)
Poport arrors?	Supplier Device Package	16-SOIC
Report errors?		Report errors?

MC908QB8CDWE 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.

MC908QB8CDWE Payment Methods

































If you have any question about MC908QB8CDWE, please do not hesitate to contact us!

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