

# MC908KX2CDWER

#### MC908KX2CDWER Information



For Reference Only

Part Number MC908KX2CDWER

Manufacturer NXP

Category Integrated Circuits (ICs)

Embedded - Microcontrollers

**Description**IC MCU 8BIT 2KB 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.









# MC908KX2CDWER Specifications

| Manufacturer         MC908KX2CDWER           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           Peripherals         LVD, POR, PWM           Number of I/O         13           Program Memory Size         2KB (2K x 8)           Program Memory Type         FLASH           EEPROM Size         -           RAM Size         192 x 8           Voltage - Supply (Vcc/Vdd)         2.7 V ~ 5.5 V           Data Converters         A/D 4x8b           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)           Embedded - Microcontrollers           Package         16-SOIC (0.295", 7.50mm Width)           Series         HC08           Core Processor         HC08           Core Size         8-Bit           Speed         8MHz           Connectivity         SCI           Peripherals         LVD, POR, PWM           Number of I/O         13           Program Memory Size         2KB (2K x 8)           Program Memory Type         FLASH           EEPROM Size         -           RAM Size         192 x 8           Voltage - Supply (Vcc/Vdd)         2.7 V ~ 5.5 V           Data Converters         A/D 4x8b           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   | MC908KX2CDWER                  |            |
| Package         16-SOIC (0.295", 7.50mm Width)           Series         HC08           Core Processor         HC08           Core Size         8-Bit           Speed         8MHz           Connectivity         SCI           Peripherals         LVD, POR, PWM           Number of I/O         13           Program Memory Size         2KB (2K x 8)           Program Memory Type         FLASH           EEPROM Size         -           RAM Size         192 x 8           Voltage - Supply (Vcc/Vdd)         2.7 V ~ 5.5 V           Data Converters         A/D 4x8b           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           Peripherals         LVD, POR, PWM           Number of I/O         13           Program Memory Size         2KB (2K x 8)           Program Memory Type         FLASH           EEPROM Size         -           RAM Size         192 x 8           Voltage - Supply (Vcc/Vdd)         2.7 V ~ 5.5 V           Data Converters         A/D 4x8b           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           Peripherals         LVD, POR, PWM           Number of I/O         13           Program Memory Size         2KB (2K x 8)           Program Memory Type         FLASH           EEPROM Size         -           RAM Size         192 x 8           Voltage - Supply (Vcc/Vdd)         2.7 V ~ 5.5 V           Data Converters         A/D 4x8b           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           Peripherals         LVD, POR, PWM           Number of I/O         13           Program Memory Size         2KB (2K x 8)           Program Memory Type         FLASH           EEPROM Size         -           RAM Size         192 x 8           Voltage - Supply (Vcc/Vdd)         2.7 V ~ 5.5 V           Data Converters         A/D 4x8b           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           Peripherals         LVD, POR, PWM           Number of I/O         13           Program Memory Size         2KB (2K x 8)           Program Memory Type         FLASH           EEPROM Size         -           RAM Size         192 x 8           Voltage - Supply (Vcc/Vdd)         2.7 V ~ 5.5 V           Data Converters         A/D 4x8b           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                           |            |
| Speed8MHzConnectivitySCIPeripheralsLVD, POR, PWMNumber of I/O13Program Memory Size2KB (2K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size192 x 8Voltage - Supply (Vcc/Vdd)2.7 V ~ 5.5 VData ConvertersA/D 4x8bOscillator 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  2KB (2K x 8)  Program Memory Type  FLASH  EEPROM Size  -  RAM Size  Voltage - Supply (Vcc/Vdd)  2.7 V ~ 5.5 V  Data Converters  A/D 4x8b  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 2KB (2K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 192 x 8 Voltage - Supply (Vcc/Vdd) 2.7 V ~ 5.5 V Data Converters A/D 4x8b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 16-SOIC (0.295", 7.50mm Width) Supplier Device Package   | Speed                      | 8MHz                           |            |
| Number of I/O Program Memory Size 2KB (2K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 192 x 8 Voltage - Supply (Vcc/Vdd) 2.7 V ~ 5.5 V Data Converters A/D 4x8b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 16-SOIC (0.295", 7.50mm Width) Supplier Device Package  | Connectivity               | SCI                            |            |
| Program Memory Size 2KB (2K x 8)  Program Memory Type FLASH  EEPROM Size -  RAM Size 192 x 8  Voltage - Supply (Vcc/Vdd) 2.7 V ~ 5.5 V  Data Converters A/D 4x8b  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  | Peripherals                | LVD, POR, PWM                  |            |
| Program Memory Type FLASH  EEPROM Size -  RAM Size 192 x 8  Voltage - Supply (Vcc/Vdd) 2.7 V ~ 5.5 V  Data Converters A/D 4x8b  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 - 192 x 8  Voltage - Supply (Vcc/Vdd) 2.7 V ~ 5.5 V  Data Converters A/D 4x8b  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        | 2KB (2K x 8)                   |            |
| RAM Size 192 x 8  Voltage - Supply (Vcc/Vdd) 2.7 V ~ 5.5 V  Data Converters A/D 4x8b  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 Type        | FLASH                          |            |
| Voltage - Supply (Vcc/Vdd)2.7 V ~ 5.5 VData ConvertersA/D 4x8bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case16-SOIC (0.295", 7.50mm Width)Supplier Device Package16-SOIC   | EEPROM Size                | -                              |            |
| Data Converters  A/D 4x8b  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                   | 192 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 4x8b                       |            |
| 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) |            |
| Report errors?  | Supplier Device Package    | 16-SOIC                        |            |
| *   |                            | Repo                           | rt errors? |

#### MC908KX2CDWER 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.

### MC908KX2CDWER Payment Methods



















## MC908KX2CDWER Shipping Methods













If you have any question about MC908KX2CDWER, please do not hesitate to contact us!

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