

MC908QL4MDWE



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**Part Number:** [MC908QL4MDWE](#)

**Manufacturer:** [NXP Semiconductors / Freescale](#)

**Description:** IC MCU 8BIT 4KB FLASH 16SOIC

**Data sheet:**  [MC68HC908QL4](#)

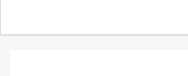
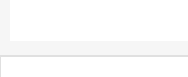
**RoHs Status:** Lead free / RoHS Compliant

**Ship From:** Hong Kong

**Shipment Way:** DHL/Fedex/TNT/UPS/EMS

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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                           |                                |                                                                    |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|--------------------------------|--------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | MC908QL4MDWE                              | Manufacturer                   | <a href="#">NXP Semiconductors / Freescale</a>                     |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | IC MCU 8BIT 4KB FLASH 16SOIC              | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                         |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 5403 pcs                                  | Data sheet                     | <a href="#">MC68HC908QL4</a>                                       |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply (Vcc/Vdd)     | 3 V ~ 5.5 V                                                        |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 16-SOIC                                   | Speed                          | 8MHz                                                               |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | HC08                                      | RAM Size                       | 128 x 8                                                            |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | FLASH                                     | Program Memory Size            | 4KB (4K x 8)                                                       |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | LVD, POR, PWM                             | Packaging                      | Tube                                                               |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 16-SOIC (0.295", 7.50mm Width)            | Oscillator Type                | Internal                                                           |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | -40°C ~ 125°C (TA)                        | Number of I/O                  | 13                                                                 |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 3 (168 Hours)                             | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                         |
| EEPROM Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | -                                         | Detailed Description           | HC08 HC08 Microcontroller IC 8-Bit 8MHz 4KB (4K x 8) FLASH 16-SOIC |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | A/D 6x10b                                 | Core Size                      | 8-Bit                                                              |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | HC08                                      | Connectivity                   | LINbus                                                             |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | MC908QL4                                  |                                |                                                                    |
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|  | Part#: <a href="#">MC908QF4CFJ</a><br>Description: IC MCU 8BIT 4KB FLASH 32LQFP     | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MC908QT1ACPE</a><br>Description: IC MCU 8BIT 1.5KB FLASH 8DIP    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MC908QC8VDSE</a><br>Description: IC MCU 8BIT 8KB FLASH 20TSSOP   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MC908QL4MDW</a><br>Description: IC MCU 8BIT 4KB FLASH 16SOIC     | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MC908QT2ACFQE</a><br>Description: IC MCU 8BIT 1.5KB FLASH 8QFN   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
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|  | Part#: <a href="#">MC908QT2ACPE</a><br>Description: IC MCU 8BIT 1.5KB FLASH 8DIP    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
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|  | Part#: <a href="#">MC908QL4MDT</a><br>Description: IC MCU 8BIT 4KB FLASH 16TSSOP    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MC908QL3MDTE</a><br>Description: IC MCU 8BIT 6KB FLASH 16TSSOP   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
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|  | Part#: <a href="#">MC908QT1AMDWER</a><br>Description: IC MCU 8BIT 1.5KB FLASH 8SOIC | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MC908QF4FJ</a><br>Description: IC MCU 8BIT 4KB FLASH 32LQFP      | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
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|  | Part#: <a href="#">MC908QT1AMDWE</a><br>Description: IC MCU 8BIT 1.5KB FLASH 8SOIC  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
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