

MC908QC16CDRE



Part Number: [MC908QC16CDRE](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: IC MCU 8BIT 16KB FLASH 28TSSOP

Data sheet:  [MC68HC908QC\(16,8,4\)](#)

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | MC908QC16CDRE                             | Manufacturer                   | <a href="#">NXP Semiconductors / Freescale</a>                        |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | IC MCU 8BIT 16KB FLASH 28TSSOP            | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                            |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 5641 pcs                                  | Data sheet                     | <a href="#">MC68HC908QC(16,8,4)</a>                                   |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply (Vcc/Vdd)     | 3 V ~ 5.5 V                                                           |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 28-TSSOP                                  | Speed                          | 8MHz                                                                  |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | HC08                                      | RAM Size                       | 512 x 8                                                               |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | FLASH                                     | Program Memory Size            | 16KB (16K x 8)                                                        |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | LVD, POR, PWM                             | Packaging                      | Tube                                                                  |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 28-TSSOP (0.173", 4.40mm Width)           | Oscillator Type                | Internal                                                              |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | -40°C ~ 85°C (TA)                         | Number of I/O                  | 24                                                                    |
| 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 16KB (16K x 8) FLASH 28-TSSOP |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | A/D 10x10b                                | Core Size                      | 8-Bit                                                                 |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | HC08                                      | Connectivity                   | SCI, SPI                                                              |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | MC908QC16                                 |                                |                                                                       |
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