

MC68HC908GZ8MFA

Part Number: [MC68HC908GZ8MFA](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: IC MCU 8BIT 8KB FLASH 48LQFP

Data sheet: [MC68HC908GZ16/GZ8](#)

RoHs Status: Contains lead / RoHS non-compliant

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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                           |                                |                                                                          |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|--------------------------------|--------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | MC68HC908GZ8MFA                           | Manufacturer                   | <a href="#">NXP Semiconductors / Freescale</a>                           |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | IC MCU 8BIT 8KB FLASH 48LQFP              | Lead Free Status / RoHS Status | Contains lead / RoHS non-compliant                                       |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 5097 pcs                                  | Data sheet                     | <a href="#">MC68HC908GZ16/GZ8</a>                                        |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply (Vcc/Vdd)     | 3 V ~ 5.5 V                                                              |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 48-LQFP (7x7)                             | Speed                          | 8MHz                                                                     |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | HC08                                      | RAM Size                       | 1K x 8                                                                   |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | FLASH                                     | Program Memory Size            | 8KB (8K x 8)                                                             |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | LVD, POR, PWM                             | Packaging                      | Tray                                                                     |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 48-LQFP                                   | Oscillator Type                | Internal                                                                 |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | -40°C ~ 125°C (TA)                        | Number of I/O                  | 37                                                                       |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 3 (168 Hours)                             | Lead Free Status / RoHS Status | Contains lead / RoHS non-compliant                                       |
| EEPROM Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | -                                         | Detailed Description           | HC08 HC08 Microcontroller IC 8-Bit 8MHz 8KB (8K x 8) FLASH 48-LQFP (7x7) |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | A/D 8x10b                                 | Core Size                      | 8-Bit                                                                    |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | HC08                                      | Connectivity                   | CANbus, LINbus, SCI, SPI                                                 |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | MC68HC908                                 |                                |                                                                          |
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