

MC908GR48ACFJE



Part Number: [MC908GR48ACFJE](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: IC MCU 8BIT 48KB FLASH 32LQFP

Data sheet:  [MC68HC908GR60A/48A/32A](#)

RoHs Status: Lead free / RoHS Compliant

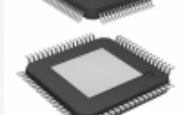
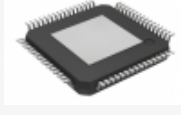
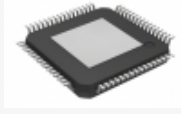
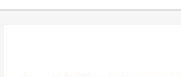
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                           |                                |                                                                            |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|--------------------------------|----------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | MC908GR48ACFJE                            | Manufacturer                   | <a href="#">NXP Semiconductors / Freescale</a>                             |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | IC MCU 8BIT 48KB FLASH 32LQFP             | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                 |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 5053 pcs                                  | Data sheet                     | <a href="#">MC68HC908GR60A/48A/32A</a>                                     |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply (Vcc/Vdd)     | 3 V ~ 5.5 V                                                                |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 32-LQFP (7x7)                             | Speed                          | 8MHz                                                                       |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | HC08                                      | RAM Size                       | 1.5K x 8                                                                   |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | FLASH                                     | Program Memory Size            | 48KB (48K x 8)                                                             |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | LVD, POR, PWM                             | Packaging                      | Tray                                                                       |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 32-LQFP                                   | Oscillator Type                | Internal                                                                   |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | -40°C ~ 85°C (TA)                         | Number of I/O                  | 21                                                                         |
| 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 48KB (48K x 8) FLASH 32-LQFP (7x7) |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | A/D 24x10b                                | Core Size                      | 8-Bit                                                                      |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | HC08                                      | Connectivity                   | SCI, SPI                                                                   |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | MC908GR48                                 |                                |                                                                            |
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