

MC9S08DZ48MLC



Part Number: [MC9S08DZ48MLC](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: IC MCU 8BIT 48KB FLASH 32LQFP

Data sheet:  [MC9S08DZ60,48,32,16](#)  
 [MC9S08DZ60 Datasheet Addendum](#)

RoHs Status: Lead free / RoHS Compliant

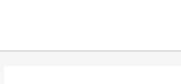
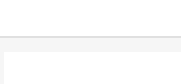
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                           |                                |                                                                                      |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|--------------------------------|--------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | MC9S08DZ48MLC                             | 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 5441 pcs                                  | Data sheet                     | <a href="#">MC9S08DZ60,48,32,16</a><br><a href="#">MC9S08DZ60 Datasheet Addendum</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply (Vcc/Vdd)     | 2.7 V ~ 5.5 V                                                                        |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 32-LQFP (7x7)                             | Speed                          | 40MHz                                                                                |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | S08                                       | RAM Size                       | 3K x 8                                                                               |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | FLASH                                     | Program Memory Size            | 48KB (48K x 8)                                                                       |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | LVD, POR, PWM, WDT                        | Packaging                      | Tray                                                                                 |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 32-LQFP                                   | Oscillator Type                | External                                                                             |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | -40°C ~ 125°C (TA)                        | Number of I/O                  | 25                                                                                   |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 3 (168 Hours)                             | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                           |
| EEPROM Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 1.5K x 8                                  | Detailed Description           | S08 S08 Microcontroller IC 8-Bit 40MHz 48KB (48K x 8) FLASH 32-LQFP (7x7)            |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | A/D 10x12b                                | Core Size                      | 8-Bit                                                                                |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | S08                                       | Connectivity                   | CANbus, I <sup>2</sup> C, LINbus, SCI, SPI                                           |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | MC9S08DZ48                                |                                |                                                                                      |
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