

MC9S08LL8CLF



Part Number: [MC9S08LL8CLF](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: IC MCU 8BIT 10KB FLASH 48LQFP

Data sheet:  [MC9S08LL16/8](#)

RoHs Status: Lead free / RoHS Compliant

Ship From: Hong Kong

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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                           |                                  |                                                                           |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|----------------------------------|---------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | MC9S08LL8CLF                              | Manufacturer                     | <a href="#">NXP Semiconductors / Freescale</a>                            |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | IC MCU 8BIT 10KB FLASH 48LQFP             | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 51006 pcs                                 | Data sheet                       | <a href="#">MC9S08LL16/8</a>                                              |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply (Vcc/Vdd)       | 1.8 V ~ 3.6 V                                                             |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 48-LQFP (7x7)                             | Speed                            | 20MHz                                                                     |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | S08                                       | RAM Size                         | 2K x 8                                                                    |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | FLASH                                     | Program Memory Size              | 10KB (10K x 8)                                                            |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | LCD, LVD, POR, PWM, WDT                   | Packaging                        | Tray                                                                      |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 48-LQFP                                   | Other Names                      | 935309903557                                                              |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Internal                                  | Operating Temperature            | -40°C ~ 85°C (TA)                                                         |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 31                                        | Moisture Sensitivity Level (MSL) | 3 (168 Hours)                                                             |
| Manufacturer Standard Lead Time                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 15 Weeks                                  | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                |
| EEPROM Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | -                                         | Detailed Description             | S08 S08 Microcontroller IC 8-Bit 20MHz 10KB (10K x 8) FLASH 48-LQFP (7x7) |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | A/D 8x12b                                 | Core Size                        | 8-Bit                                                                     |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | S08                                       | Connectivity                     | I <sup>2</sup> C, SCI, SPI                                                |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | MC9S08LL8                                 |                                  |                                                                           |
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