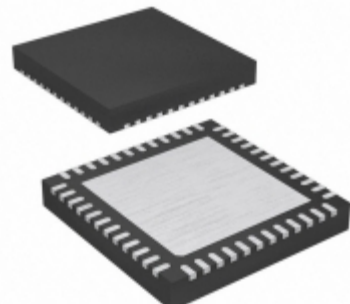


MC9S08LL8CGT



Images are for reference only.  
See Product Specifications for product details.  
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**Part Number:** [MC9S08LL8CGT](#)

**Manufacturer:** [NXP Semiconductors / Freescale](#)

**Description:** IC MCU 8BIT 10KB FLASH 48QFN

**Data sheet:**  [MC9S08LL16/8](#)

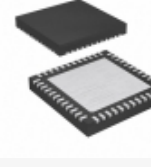
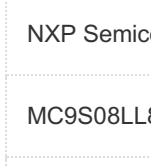
**RoHs Status:** Lead free / RoHS Compliant

**Ship From:** Hong Kong

**Shipment Way:** DHL/Fedex/TNT/UPS/EMS

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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                             |                                  |                                                |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|----------------------------------|------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | MC9S08LL8CGT                                                                | Manufacturer                     | <a href="#">NXP Semiconductors / Freescale</a> |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | IC MCU 8BIT 10KB FLASH 48QFN                                                | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                     |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 52090 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-QFN-EP (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-VFQFN Exposed Pad                                                        | Other Names                      | 935309902557                                   |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Internal                                                                    | Operating Temperature            | -40°C ~ 85°C (TA)                              |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 31                                                                          | Moisture Sensitivity Level (MSL) | 3 (168 Hours)                                  |
| 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-QFN-EP (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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|  | Part#: <a href="#">MC9S08LL8CLF</a><br>Description: IC MCU 8BIT 10KB FLASH 48LQFP      | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MC9S08LL36CLK</a><br>Description: IC MCU 8BIT 36KB FLASH 80LQFP     | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MC9S08LL16CGTR</a><br>Description: S08LL 8-BIT MCU S08 CORE 16KB    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MC9S08MM32ACLH</a><br>Description: IC MCU 8BIT 32KB FLASH 64LQFP    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MC9S08MM128CLK</a><br>Description: IC MCU 8BIT 128KB FLASH 80LQFP   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MC9S08LL64CLKR</a><br>Description: IC MCU 8BIT 64KB FLASH 80LQFP    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MC9S08MM128VLK</a><br>Description: IC MCU 8BIT 128KB FLASH 80LQFP   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MC9S08MM32AVLH</a><br>Description: IC MCU 8BIT 32KB FLASH 64LQFP    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MC9S08LL16CLF</a><br>Description: IC MCU 8BIT 16KB FLASH 48LQFP     | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MC9S08LL8CLH</a><br>Description: IC MCU 8BIT 10KB FLASH 64LQFP      | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MC9S08LL16CLH</a><br>Description: IC MCU 8BIT 16KB FLASH 64LQFP     | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MC9S08MM128CLH</a><br>Description: IC MCU 8BIT 128KB FLASH 64LQFP   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MC9S08MM128CMB</a><br>Description: IC MCU 8BIT 128KB FLASH 81MAPBGA | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MC9S08LL36CLH</a><br>Description: IC MCU 8BIT 36KB FLASH 64LQFP     | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MC9S08LL16CGT</a><br>Description: IC MCU 8BIT 16KB FLASH 48QFN      | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MC9S08LL64CLK</a><br>Description: IC MCU 8BIT 64KB FLASH 80LQFP     | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MC9S08LL16CLHR</a><br>Description: S08LL 8-BIT MCU S08 CORE 16KB    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MC9S08MM128VMB</a><br>Description: IC MCU 8BIT 128KB FLASH 81MAPBGA | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MC9S08LL64CLH</a><br>Description: IC MCU 8BIT 64KB FLASH 64LQFP     | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |

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