

MC9S08QG44CFQE



Part Number: [MC9S08QG44CFQE](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: IC MCU 8BIT 4KB FLASH 8QFN

Data sheet:  [MC9S08QG8, QG4](#)

RoHs Status: Lead free / RoHS Compliant

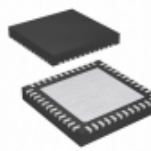
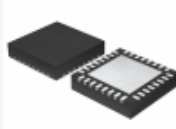
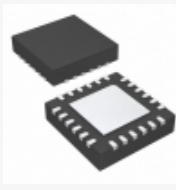
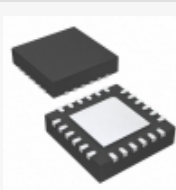
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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                           |                                |                                                                          |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|--------------------------------|--------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | MC9S08QG44CFQE                            | Manufacturer                   | <a href="#">NXP Semiconductors / Freescale</a>                           |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | IC MCU 8BIT 4KB FLASH 8QFN                | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                               |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 5427 pcs                                  | Data sheet                     | <a href="#">MC9S08QG8, QG4</a>                                           |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply (Vcc/Vdd)     | 1.8 V ~ 3.6 V                                                            |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 8-DFN-EP (4x4)                            | Speed                          | 20MHz                                                                    |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | S08                                       | RAM Size                       | 256 x 8                                                                  |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | FLASH                                     | Program Memory Size            | 4KB (4K x 8)                                                             |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | LVD, POR, PWM, WDT                        | Packaging                      | Tray                                                                     |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 8-VDFN Exposed Pad                        | Oscillator Type                | Internal                                                                 |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | -40°C ~ 85°C (TA)                         | Number of I/O                  | 4                                                                        |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1 (Unlimited)                             | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                               |
| EEPROM Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | -                                         | Detailed Description           | S08 S08 Microcontroller IC 8-Bit 20MHz 4KB (4K x 8) FLASH 8-DFN-EP (4x4) |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | A/D 4x10b                                 | Core Size                      | 8-Bit                                                                    |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | S08                                       | Connectivity                   | PC, SCI, SPI                                                             |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | MC9S08QG44                                |                                |                                                                          |
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|  | Part#: <a href="#">MC9S08QE96CFT</a><br>Description: IC MCU 8BIT 96KB FLASH 48QFN    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MC9S08QE96CFTR</a><br>Description: IC MCU 8BIT 96KB FLASH 48QFN   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">MC9S08QE96CLH</a><br>Description: IC MCU 8BIT 96KB FLASH 64LQFP   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">MC9S08QG44CPBE</a><br>Description: IC MCU 8BIT 4KB FLASH 16DIP    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MC9S08QG4CFFE</a><br>Description: IC MCU 8BIT 4KB FLASH 16QFN     | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MC9S08QG44CDNE</a><br>Description: IC MCU 8BIT 4KB FLASH 8SOIC    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MC9S08QG4CFKE</a><br>Description: IC MCU 8BIT 4KB FLASH 24QFN     | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MC9S08QG44CFFER</a><br>Description: IC MCU 8BIT 4KB FLASH 16QFN   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MC9S08QE96CLD</a><br>Description: IC MCU 8BIT 96KB FLASH 44LQFP   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MC9S08QG4CDNER</a><br>Description: S08QG 8-BIT MCU S08 CORE 4KB F | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MC9S08QG4CDNE</a><br>Description: IC MCU 8BIT 4KB FLASH 8SOIC     | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MC9S08QG4CFFER</a><br>Description: IC MCU 8BIT 4KB FLASH 16QFN    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MC9S08QG44CFKE</a><br>Description: IC MCU 8BIT 4KB FLASH 24QFN    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MC9S08QG44CFFE</a><br>Description: IC MCU 8BIT 4KB FLASH 16QFN    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MC9S08QG4CFQE</a><br>Description: IC MCU 8BIT 4KB FLASH 8QFN      | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MC9S08QG44CDTE</a><br>Description: IC MCU 8BIT 4KB FLASH 16TSSOP  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MC9S08QG44CPAE</a><br>Description: IC MCU 8BIT 4KB FLASH 8DIP     | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |

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