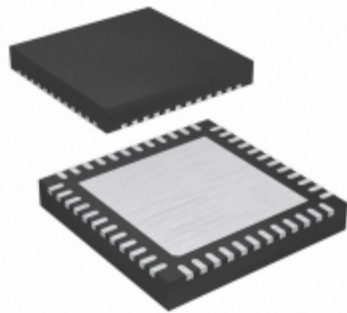


MC9S08QE64CFT



Images are for reference only.  
See Product Specifications for product details.  
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Part Number: [MC9S08QE64CFT](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: IC MCU 8BIT 64KB FLASH 48QFN

Data sheet:  [MC9S08QE64,96,128 Ref Manual](#)  
 [MC9S08QE64,96,128 Datasheet](#)  
 [MC9S08QE128 Fact Sheet](#)

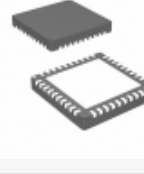
RoHs Status: Lead free / RoHS Compliant

Ship From: Hong Kong

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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                             |                                  |                                                                                                                                       |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | MC9S08QE64CFT                                                               | Manufacturer                     | <a href="#">NXP Semiconductors / Freescale</a>                                                                                        |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | IC MCU 8BIT 64KB FLASH 48QFN                                                | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                                                            |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 26653 pcs                                                                   | Data sheet                       | <a href="#">MC9S08QE64,96,128 Ref Manual</a><br><a href="#">MC9S08QE64,96,128 Datasheet</a><br><a href="#">MC9S08QE128 Fact Sheet</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                            | 50MHz                                                                                                                                 |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | S08                                                                         | RAM Size                         | 4K x 8                                                                                                                                |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | FLASH                                                                       | Program Memory Size              | 64KB (64K x 8)                                                                                                                        |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | LVD, PWM, WDT                                                               | Packaging                        | Tray                                                                                                                                  |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 48-VFQFN Exposed Pad                                                        | Other Names                      | 935322856557                                                                                                                          |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Internal                                                                    | Operating Temperature            | -40°C ~ 85°C (TA)                                                                                                                     |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 38                                                                          | 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 50MHz 64KB (64K x 8) FLASH 48-QFN-EP (7x7) | Data Converters                  | A/D 10x12b                                                                                                                            |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 8-Bit                                                                       | Core Processor                   | S08                                                                                                                                   |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | I <sup>2</sup> C, LINbus, SCI, SPI                                          | Base Part Number                 | MC9S08QE64                                                                                                                            |
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|  | Part#: <a href="#">MC9S08QE64CLD</a><br>Description: IC MCU 8BIT 64KB FLASH 44LQFP  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MC9S08QE32CLCR</a><br>Description: IC MCU 8BIT 32KB FLASH 32LQFP | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MC9S08QE8CTG</a><br>Description: IC MCU 8BIT 8KB FLASH 16TSSOP   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MC9S08QE8CWJ</a><br>Description: IC MCU 8BIT 8KB FLASH 20SOIC    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MC9S08QE64CLH</a><br>Description: IC MCU 8BIT 64KB FLASH 64LQFP  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MC9S08QE64CLC</a><br>Description: IC MCU 8BIT 64KB FLASH 32LQFP  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MC9S08QE32CLD</a><br>Description: IC MCU 8BIT 32KB FLASH 44LQFP  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MC9S08QE8CTGR</a><br>Description: IC MCU 8BIT 8KB FLASH 16TSSOP  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MC9S08QE4CLCR</a><br>Description: IC MCU 8BIT 4KB FLASH 32LQFP   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MC9S08QE32CWL</a><br>Description: IC MCU 8BIT 32KB FLASH 28SOIC  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MC9S08QE4CTG</a><br>Description: IC MCU 8BIT 4KB FLASH 16TSSOP   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MC9S08QE8CWL</a><br>Description: IC MCU 8BIT 8KB FLASH 28SOIC    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MC9S08QE4CWL</a><br>Description: IC MCU 8BIT 4KB FLASH 28SOIC    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MC9S08QE4CTGR</a><br>Description: IC MCU 8BIT 4KB FLASH 16TSSOP  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MC9S08QE4CWJ</a><br>Description: IC MCU 8BIT 4KB FLASH 20SOIC    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MC9S08QE8CPG</a><br>Description: IC MCU 8BIT 8KB FLASH 16DIP     | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
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