

MC9S08SH8MSC



Part Number: [MC9S08SH8MSC](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: IC MCU 8BIT 8KB FLASH 8SOIC

Data sheet:  [MC9S08SH8, MC9S08SH4 Datasheet](#)  
 [MC9S08SH8, 4 Fact Sheet](#)

RoHs Status: Lead free / RoHS Compliant

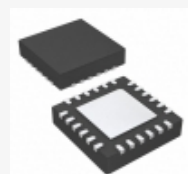
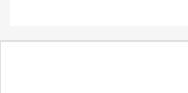
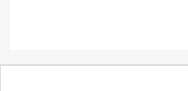
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                  |                                  |                                                                                           |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|----------------------------------|-------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | MC9S08SH8MSC                                                     | Manufacturer                     | <a href="#">NXP Semiconductors / Freescale</a>                                            |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | IC MCU 8BIT 8KB FLASH 8SOIC                                      | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 38057 pcs                                                        | Data sheet                       | <a href="#">MC9S08SH8, MC9S08SH4 Datasheet</a><br><a href="#">MC9S08SH8, 4 Fact Sheet</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <a href="#">Integrated Circuits (ICs)</a>                        | Voltage - Supply (Vcc/Vdd)       | 2.7 V ~ 5.5 V                                                                             |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 8-SOIC                                                           | Speed                            | 40MHz                                                                                     |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | S08                                                              | RAM Size                         | 512 x 8                                                                                   |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | FLASH                                                            | Program Memory Size              | 8KB (8K x 8)                                                                              |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | LVD, POR, PWM, WDT                                               | Packaging                        | Tube                                                                                      |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 8-SOIC (0.154", 3.90mm Width)                                    | Other Names                      | 935324039574                                                                              |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Internal                                                         | Operating Temperature            | -40°C ~ 125°C (TA)                                                                        |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 5                                                                | 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 40MHz 8KB (8K x 8) FLASH 8-SOIC | Data Converters                  | A/D 4x10b                                                                                 |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 8-Bit                                                            | Core Processor                   | S08                                                                                       |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | I <sup>2</sup> C, LINbus, SCI, SPI                               | Base Part Number                 | MC9S08SH8                                                                                 |
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|  | Part#: <a href="#">MC9S08SL8CTL</a><br>Description: IC MCU 8BIT 8KB FLASH 28TSSOP   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MC9S08SH8MTJ</a><br>Description: IC MCU 8BIT 8KB FLASH 20TSSOP   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MC9S08SH8CTJR</a><br>Description: IC MCU 8BIT 8KB FLASH 20TSSOP  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
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