

S9S08SG16E1VTJR



Part Number: [S9S08SG16E1VTJR](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: IC MCU 8BIT 16KB FLASH 20TSSOP

Data sheet:  [MC9S08SG16, 32](#)

RoHs Status: Lead free / RoHS Compliant

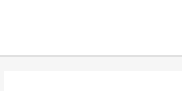
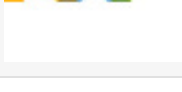
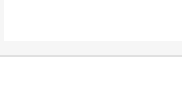
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                      |                                  |                                                |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|----------------------------------|------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | S9S08SG16E1VTJR                                                      | Manufacturer                     | <a href="#">NXP Semiconductors / Freescale</a> |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | IC MCU 8BIT 16KB FLASH 20TSSOP                                       | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                     |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 60293 pcs                                                            | Data sheet                       | <a href="#">MC9S08SG16, 32</a>                 |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <a href="#">Integrated Circuits (ICs)</a>                            | Voltage - Supply (Vcc/Vdd)       | 2.7 V ~ 5.5 V                                  |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 20-TSSOP                                                             | Speed                            | 40MHz                                          |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | S08                                                                  | RAM Size                         | 1K x 8                                         |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | FLASH                                                                | Program Memory Size              | 16KB (16K x 8)                                 |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | LVD, POR, PWM, WDT                                                   | Packaging                        | Tape & Reel (TR)                               |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 20-TSSOP (0.173", 4.40mm Width)                                      | Other Names                      | 935312714518                                   |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Internal                                                             | Operating Temperature            | -40°C ~ 105°C (TA)                             |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 16                                                                   | 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 16KB (16K x 8) FLASH 20-TSSOP | Data Converters                  | A/D 12x10b                                     |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 8-Bit                                                                | Core Processor                   | S08                                            |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | I <sup>2</sup> C, LINbus, SCI, SPI                                   |                                  |                                                |
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