

MC9S08PA16AVWJ



Part Number: [MC9S08PA16AVWJ](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: IC MCU 8BIT 16KB FLASH 20SOIC

Data sheet:  [MC9S08PA16A, MC9S08PA8A](#)  
 [MC9S08PA16,8 Ref Manual](#)

RoHs Status: Lead free / RoHS Compliant

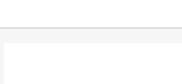
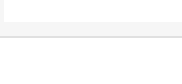
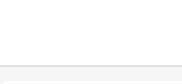
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                     |                                  |                                                                                    |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|----------------------------------|------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                               | MC9S08PA16AVWJ                                                      | Manufacturer                     | <a href="#">NXP Semiconductors / Freescale</a>                                     |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                               | IC MCU 8BIT 16KB FLASH 20SOIC                                       | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                         |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                        | 88876 pcs                                                           | Data sheet                       | <a href="#">MC9S08PA16A, MC9S08PA8A</a><br><a href="#">MC9S08PA16,8 Ref Manual</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                  | <a href="#">Integrated Circuits (ICs)</a>                           | Voltage - Supply (Vcc/Vdd)       | 2.7 V ~ 5.5 V                                                                      |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                   | 20-SOIC                                                             | Speed                            | 20MHz                                                                              |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                    | S08                                                                 | RAM Size                         | 2K x 8                                                                             |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                       | FLASH                                                               | Program Memory Size              | 16KB (16K x 8)                                                                     |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                               | LVD, POR, PWM, WDT                                                  | Packaging                        | Tube                                                                               |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                            | 20-SOIC (0.295", 7.50mm Width)                                      | Other Names                      | 568-14580<br>935312285574<br>MC9S08PA16AVWJ-ND                                     |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                                           | Internal                                                            | Operating Temperature            | -40°C ~ 105°C (TA)                                                                 |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                             | 18                                                                  | Moisture Sensitivity Level (MSL) | 3 (168 Hours)                                                                      |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                            | Lead free / RoHS Compliant                                          | EEPROM Size                      | 256 x 8                                                                            |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                                      | S08 S08 Microcontroller IC 8-Bit 20MHz 16KB (16K x 8) FLASH 20-SOIC | Data Converters                  | A/D 12x12b                                                                         |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                                                 | 8-Bit                                                               | Core Processor                   | S08                                                                                |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                              | I <sup>2</sup> C, LINbus, SPI, UART/USART                           |                                  |                                                                                    |
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