

MC9S08PA16AVTG



Part Number: [MC9S08PA16AVTG](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: IC MCU 8BIT 16KB FLASH 16TSSOP

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

RoHs Status: Lead free / RoHS Compliant

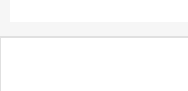
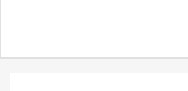
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                           |                                  |                                                                                    |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|----------------------------------|------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | MC9S08PA16AVTG                            | Manufacturer                     | <a href="#">NXP Semiconductors / Freescale</a>                                     |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | IC MCU 8BIT 16KB FLASH 16TSSOP            | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                         |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 63898 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 16-TSSOP                                  | 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                        | Tray                                                                               |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 16-TSSOP (0.173", 4.40mm Width)           | Other Names                      | 935320568574                                                                       |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Internal                                  | Operating Temperature            | -40°C ~ 105°C (TA)                                                                 |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 14                                        | Moisture Sensitivity Level (MSL) | 3 (168 Hours)                                                                      |
| Manufacturer Standard Lead Time                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 14 Weeks                                  | 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 16-TSSOP               |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | A/D 12x12b                                | Core Size                        | 8-Bit                                                                              |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | S08                                       | Connectivity                     | I²C, LINbus, SPI, UART/USART                                                       |
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|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------|----------------|
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|  | Part#: <a href="#">MC9S08PA16AVWJR</a><br>Description: IC MCU 8BIT 16KB FLASH 20SOIC  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">MC9S08PA16AVLC</a><br>Description: IC MCU 8BIT 16KB FLASH 32LQFP   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MC9S08MP16VWL</a><br>Description: IC MCU 8BIT 16KB FLASH 28SOIC    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">MC9S08MM64VLH</a><br>Description: IC MCU 8BIT 64KB FLASH 64LQFP    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MC9S08MP16VLFR</a><br>Description: S08MP 8-BIT MCU S08 CORE 16KB   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MC9S08MP16VLCR</a><br>Description: 8 BIT .25U SGF FLASH            | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MC9S08PA16AVLD</a><br>Description: IC MCU 8BIT 16KB FLASH 44LQFP   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">MC9S08PA16VLCR</a><br>Description: IC MCU 8BIT 16KB FLASH 32LQFP   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MC9S08MP16VLF</a><br>Description: IC MCU 8BIT 16KB FLASH 48LQFP    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MC9S08PA16AVLCR</a><br>Description: S08PA 8-BIT MCU S08 CORE 16KB  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MC9S08PA16VLC</a><br>Description: IC MCU 8BIT 16KB FLASH 32LQFP    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MC9S08PA16VTJ</a><br>Description: 8 BITHCS08L CORE16K FLASH        | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MC9S08MP16VLC</a><br>Description: IC MCU 8BIT 16KB FLASH 32LQFP    | Manufacturers: <a href="#">NXP USA Inc.</a>                   | <div>RFQ</div> |

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