

MC9S08PT32AVLH



Part Number: [MC9S08PT32AVLH](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: IC MCU 8BIT 32KB FLASH 64LQFP

Data sheet:  [MC9S08PT60\(A\) & MC9S08PT32\(A\) Ref Manual](#)  
 [MC9S08PT32\(A\), MC9S08PT60\(A\)](#)

RoHs Status: Lead free / RoHS Compliant

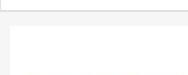
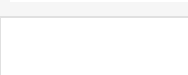
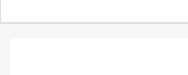
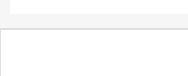
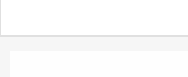
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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                           |                                  |                                                                                                              |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|----------------------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | MC9S08PT32AVLH                            | Manufacturer                     | <a href="#">NXP Semiconductors / Freescale</a>                                                               |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | IC MCU 8BIT 32KB FLASH 64LQFP             | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                                   |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 65874 pcs                                 | Data sheet                       | <a href="#">MC9S08PT60(A) &amp; MC9S08PT32(A) Ref Manual</a><br><a href="#">MC9S08PT32(A), MC9S08PT60(A)</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply (Vcc/Vdd)       | 2.7 V ~ 5.5 V                                                                                                |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 64-LQFP (10x10)                           | Speed                            | 20MHz                                                                                                        |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | S08                                       | RAM Size                         | 4K x 8                                                                                                       |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | FLASH                                     | Program Memory Size              | 32KB (32K x 8)                                                                                               |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | LVD, POR, PWM, WDT                        | Packaging                        | Tray                                                                                                         |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 64-LQFP                                   | Other Names                      | 568-13583<br>935311687557<br>MC9S08PT32AVLH-ND                                                               |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Internal                                  | Operating Temperature            | -40°C ~ 105°C (TA)                                                                                           |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 57                                        | Moisture Sensitivity Level (MSL) | 3 (168 Hours)                                                                                                |
| Manufacturer Standard Lead Time                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 10 Weeks                                  | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                                   |
| EEPROM Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 256 x 8                                   | Detailed Description             | S08 S08 Microcontroller IC 8-Bit 20MHz 32KB (32K x 8) FLASH 64-LQFP (10x10)                                  |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | A/D 16x12b                                | Core Size                        | 8-Bit                                                                                                        |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | S08                                       | Connectivity                     | I <sup>2</sup> C, LINbus, SPI, UART/USART                                                                    |
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|  | Part#: <a href="#">MC9S08PT32VLCR</a><br>Description: IC MCU 8BIT 32KB FLASH 32LQFP | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MC9S08PT60AVLF</a><br>Description: IC MCU 8BIT 60KB FLASH 48LQFP | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">MC9S08PT60AVLD</a><br>Description: IC MCU 8BIT 60KB FLASH 44LQFP | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">MC9S08PT16VLC</a><br>Description: IC MCU 8BIT 16KB FLASH 32LQFP  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MC9S08PT16VTJ</a><br>Description: S08PT 8-BIT MCU S08 CORE 16KB  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MC9S08PT32AVLD</a><br>Description: IC MCU 8BIT 32KB FLASH 44LQFP | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MC9S08PT16VTG</a><br>Description: IC MCU 8BIT 16KB FLASH 16TSSOP | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">MC9S08PT32AVLC</a><br>Description: IC MCU 8BIT 32KB FLASH 32LQFP | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">MC9S08PT32VQH</a><br>Description: IC MCU 8BIT 32KB FLASH 64QFP   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
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