

S912ZVH64F2VLQ



Part Number: [S912ZVH64F2VLQ](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: IC MCU 16BIT 64KB FLASH 144LQFP

Data sheet:  [MC9S12ZVC Family Datasheet, Manual](#)  
 [S12ZVH Family Ref Manual](#)  
 [S12ZVH Family Fact Sheet](#)

RoHs Status: Lead free / RoHS Compliant

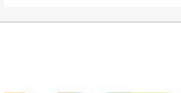
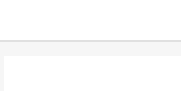
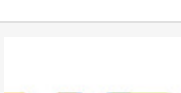
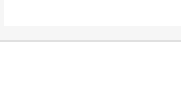
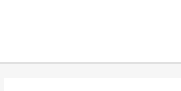
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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                       |                                  |                                                                                                                                            |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | S912ZVH64F2VLQ                                                                        | Manufacturer                     | <a href="#">NXP Semiconductors / Freescale</a>                                                                                             |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | IC MCU 16BIT 64KB FLASH 144LQFP                                                       | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                                                                 |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 13382 pcs                                                                             | Data sheet                       | <a href="#">MC9S12ZVC Family Datasheet, Manual</a><br><a href="#">S12ZVH Family Ref Manual</a><br><a href="#">S12ZVH Family Fact Sheet</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <a href="#">Integrated Circuits (ICs)</a>                                             | Voltage - Supply (Vcc/Vdd)       | 4.5 V ~ 5.5 V                                                                                                                              |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 144-LQFP (20x20)                                                                      | Speed                            | 32MHz                                                                                                                                      |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | S12 MagniV                                                                            | RAM Size                         | 4K x 8                                                                                                                                     |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | FLASH                                                                                 | Program Memory Size              | 64KB (64K x 8)                                                                                                                             |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | DMA, LCD, POR, PWM, WDT                                                               | Packaging                        | Tray                                                                                                                                       |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 144-LQFP                                                                              | Other Names                      | 935322027557                                                                                                                               |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Internal                                                                              | Operating Temperature            | -40°C ~ 105°C (TA)                                                                                                                         |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 100                                                                                   | Moisture Sensitivity Level (MSL) | 3 (168 Hours)                                                                                                                              |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Lead free / RoHS Compliant                                                            | EEPROM Size                      | 4K x 8                                                                                                                                     |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | S12Z S12 MagniV Microcontroller IC 16-Bit 32MHz 64KB (64K x 8) FLASH 144-LQFP (20x20) | Data Converters                  | A/D 8x10b                                                                                                                                  |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 16-Bit                                                                                | Core Processor                   | S12Z                                                                                                                                       |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | CANbus, I <sup>2</sup> C, LINbus, SCI, SPI                                            | Base Part Number                 | S912ZVH64                                                                                                                                  |
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| RELATED PRODUCTS                                                                   |                                                                                         |                                                               |                |
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|  | Part#: <a href="#">S912ZVHY32F1CLQ</a><br>Description: IC MCU 16BIT 32KB FLASH 144LQFP  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">S912ZVHL32F1VLL</a><br>Description: MAGNIV 16-BIT MCU S12Z CORE 32   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">S912ZVCA96F0VLF</a><br>Description: IC MCU 16BIT 96KB FLASH 48LQFP   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
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