

S912ZVML32F3WKH



Part Number: [S912ZVML32F3WKH](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: MAGNIV 16-BIT MCU S12Z CORE 32

Data sheet:  [MC9S12ZVC Family Datasheet, Manual](#)  
 [MC9S12ZVM-Family Reference Manual](#)  
 [S12ZVM Family Fact Sheet](#)

RoHs Status:

Ship From: Hong Kong

Shipment Way: DHL/Fedex/TNT/UPS/EMS

Images are for reference only.  
See Product Specifications for product details.  
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| PRODUCT PARAMETER               |                                                                                         |                                  |                                                                                                                                                     |
|---------------------------------|-----------------------------------------------------------------------------------------|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                     | S912ZVML32F3WKH                                                                         | Manufacturer                     | <a href="#">NXP Semiconductors / Freescale</a>                                                                                                      |
| Description                     | MAGNIV 16-BIT MCU S12Z CORE 32                                                          | Lead Free Status / RoHS Status   |                                                                                                                                                     |
| Quantity Available              | 15080 pcs                                                                               | Data sheet                       | <a href="#">MC9S12ZVC Family Datasheet, Manual</a><br><a href="#">MC9S12ZVM-Family Reference Manual</a><br><a href="#">S12ZVM Family Fact Sheet</a> |
| Category                        | <a href="#">Integrated Circuits (ICs)</a>                                               | Voltage - Supply (Vcc/Vdd)       | 3.5 V ~ 40 V                                                                                                                                        |
| Supplier Device Package         | 64-LQFP-EP (10x10)                                                                      | Speed                            | 50MHz                                                                                                                                               |
| Series                          | S12 MagniV                                                                              | RAM Size                         | 4K x 8                                                                                                                                              |
| Program Memory Type             | FLASH                                                                                   | Program Memory Size              | 32KB (32K x 8)                                                                                                                                      |
| Peripherals                     | DMA, POR, PWM, WDT                                                                      | Packaging                        | Tray                                                                                                                                                |
| Package / Case                  | 64-LQFP Exposed Pad                                                                     | Other Names                      | 935334924557                                                                                                                                        |
| Oscillator Type                 | Internal                                                                                | Operating Temperature            | -40°C ~ 150°C (TA)                                                                                                                                  |
| Number of I/O                   | 31                                                                                      | Moisture Sensitivity Level (MSL) | 3 (168 Hours)                                                                                                                                       |
| Manufacturer Standard Lead Time | 18 Weeks                                                                                | EEPROM Size                      | 512 x 8                                                                                                                                             |
| Detailed Description            | S12Z S12 MagniV Microcontroller IC 16-Bit 50MHz 32KB (32K x 8) FLASH 64-LQFP-EP (10x10) | Data Converters                  | A/D 9x12b                                                                                                                                           |
| Core Size                       | 16-Bit                                                                                  | Core Processor                   | S12Z                                                                                                                                                |
| Connectivity                    | CANbus, LINbus, SCI, SPI                                                                |                                  |                                                                                                                                                     |

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