

S912ZVHL64F1CLL



Part Number: [S912ZVHL64F1CLL](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: MAGNIV 16-BIT MCU S12Z CORE 64

Data sheet:  [Mc9S12ZVHY, L Reference Manual](#)  
 [MC9S12ZVC Family Datasheet, Manual](#)

RoHs Status:

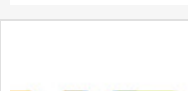
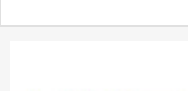
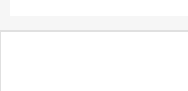
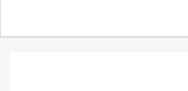
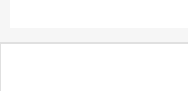
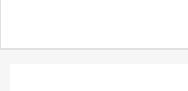
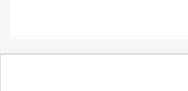
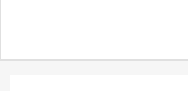
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                       |                                  |                                                                                                      |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|----------------------------------|------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | S912ZVHL64F1CLL                                                                       | Manufacturer                     | <a href="#">NXP Semiconductors / Freescale</a>                                                       |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | MAGNIV 16-BIT MCU S12Z CORE 64                                                        | Lead Free Status / RoHS Status   |                                                                                                      |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 17418 pcs                                                                             | Data sheet                       | <a href="#">Mc9S12ZVHY, L Reference Manual</a><br><a href="#">MC9S12ZVC Family Datasheet, Manual</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <a href="#">Integrated Circuits (ICs)</a>                                             | Voltage - Supply (Vcc/Vdd)       | 4.5 V ~ 5.5 V                                                                                        |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 100-LQFP (14x14)                                                                      | 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 100-LQFP                                                                              | Other Names                      | 935322087557                                                                                         |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Internal                                                                              | Operating Temperature            | -40°C ~ 85°C (TA)                                                                                    |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 73                                                                                    | Moisture Sensitivity Level (MSL) | 3 (168 Hours)                                                                                        |
| Manufacturer Standard Lead Time                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 18 Weeks                                                                              | EEPROM Size                      | 2K x 8                                                                                               |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | S12Z S12 MagniV Microcontroller IC 16-Bit 32MHz 64KB (64K x 8) FLASH 100-LQFP (14x14) | Data Converters                  | A/D 4x10b                                                                                            |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 16-Bit                                                                                | Core Processor                   | S12Z                                                                                                 |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | CANbus, I <sup>2</sup> C, LINbus, SCI, SPI                                            |                                  |                                                                                                      |
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|  | Part#: <a href="#">S912ZVHY32F1VLQ</a><br>Description: IC MCU 16BIT 32KB FLASH 144LQFP  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
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