

| Specifications                   |                                                         |
|----------------------------------|---------------------------------------------------------|
| Part Number                      | S9S12ZVL32F0VLC                                         |
| Manufacturer                     | NXP Semiconductors / Freescale                          |
| Description                      | MAGNIV 16-BIT MCU S12Z CORE 32                          |
| Category                         | Integrated Circuits (ICs) > Embedded - Microcontrollers |
| Part Status                      | 641 pcs Stock                                           |
| Voltage - Supply (Vcc/Vdd)       | 5.5 V ~ 18 V                                            |
| Supplier Device Package          | 32-LQFP (7x7)                                           |
| Speed                            | 32MHz                                                   |
| Series                           | S12 MagniV                                              |
| RAM Size                         | 1K x 8                                                  |
| Program Memory Type              | FLASH                                                   |
| Program Memory Size              | 32KB (32K x 8)                                          |
| Peripherals                      | LVD, POR, PWM, WDT                                      |
| Packaging                        | Tray                                                    |
| Package / Case                   | 32-LQFP                                                 |
| Other Names                      | 935316202557                                            |
| Oscillator Type                  | Internal                                                |
| Operating Temperature            | -40°C ~ 105°C (TA)                                      |
| Number of I/O                    | 19                                                      |
| Moisture Sensitivity Level (MSL) | 3 (168 Hours)                                           |
| Manufacturer Standard Lead Time  | 18 Weeks                                                |
| EEPROM Size                      | 128 x 8                                                 |
| Detailed Description             | S12Z S12 MagniV Microcontroller IC 16-Bit 32MHz 32KB    |
| Data Converters                  | A/D 6x10b                                               |
| Core Size                        | 16-Bit                                                  |
| Core Processor                   | S12Z                                                    |
| Connectivity                     | I²C, IrDA, LINbus, SCI, SPI, UART/USART                 |

|                                                                                                                                                                           |                                                                                                                                                                                              |                                                                                                                                                                                               |                                                                                                                                                                                                |
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| <p>In:</p>  <p><b>S9S12ZVL32MLC</b><br/>FREESCALE<br/>FREESCALE LQFP-32</p>            |  <p><b>S9S12ZVL32F0WLF</b><br/>NXP Semiconductors / Freescale<br/>MAGNIV 16-BIT MCU S12Z CORE<br/>32</p>  |  <p><b>S9S12ZVL32F0VLFR</b><br/>NXP Semiconductors / Freescale<br/>MAGNIV 16-BIT MCU S12Z CORE<br/>32</p> |  <p><b>S9S12ZVL32F0MLF</b><br/>NXP USA Inc.<br/>IC MCU 16BIT 32KB FLASH<br/>48LQFP</p>                    |
|  <p><b>S9S12ZVL32F0MLC</b><br/>NXP USA Inc.<br/>IC MCU 16BIT 32KB FLASH<br/>32LQFP</p> |  <p><b>S9S12ZVL32F0MLCR</b><br/>NXP Semiconductors / Freescale<br/>MAGNIV 16-BIT MCU S12Z CORE<br/>32</p> |  <p><b>S9S12ZVL32F0MLFR</b><br/>NXP Semiconductors / Freescale<br/>MAGNIV 16-BIT MCU S12Z CORE<br/>32</p> |  <p><b>S9S12ZVL32F0CLFR</b><br/>NXP Semiconductors / Freescale<br/>MAGNIV 16-BIT MCU S12Z CORE<br/>32</p> |

More

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