

S912ZVC19F0VLFR



Part Number: [S912ZVC19F0VLFR](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: MAGNIV 16-BIT MCU S12Z CORE 19

Data sheet:  [MagniV Safety Devices Manual](#)  
 [MC9S12ZVC Family Datasheet, Manual](#)  
 [S12ZVC Family Factsheet](#)

RoHs Status:

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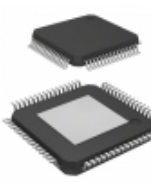
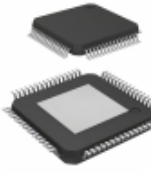
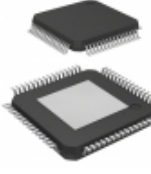
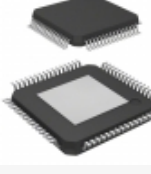
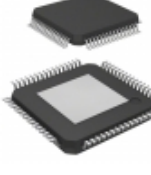
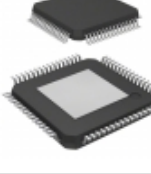
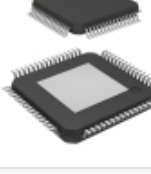
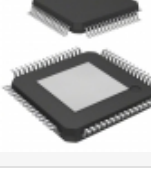
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| PRODUCT PARAMETER               |                                                                                      |                                  |                                                                                                                                               |
|---------------------------------|--------------------------------------------------------------------------------------|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                     | S912ZVC19F0VLFR                                                                      | Manufacturer                     | <a href="#">NXP Semiconductors / Freescale</a>                                                                                                |
| Description                     | MAGNIV 16-BIT MCU S12Z CORE 19                                                       | Lead Free Status / RoHS Status   |                                                                                                                                               |
| Quantity Available              | 27674 pcs                                                                            | Data sheet                       | <a href="#">MagniV Safety Devices Manual</a><br><a href="#">MC9S12ZVC Family Datasheet, Manual</a><br><a href="#">S12ZVC Family Factsheet</a> |
| Category                        | <a href="#">Integrated Circuits (ICs)</a>                                            | Voltage - Supply (Vcc/Vdd)       | 3.5 V ~ 40 V                                                                                                                                  |
| Supplier Device Package         | 48-LQFP (7x7)                                                                        | Speed                            | 32MHz                                                                                                                                         |
| Series                          | S12 MagniV                                                                           | RAM Size                         | 12K x 8                                                                                                                                       |
| Program Memory Type             | FLASH                                                                                | Program Memory Size              | 192KB (192K x 8)                                                                                                                              |
| Peripherals                     | DMA, POR, PWM, WDT                                                                   | Packaging                        | Tape & Reel (TR)                                                                                                                              |
| Package / Case                  | 48-LQFP                                                                              | Other Names                      | 935320842528                                                                                                                                  |
| Oscillator Type                 | Internal                                                                             | Operating Temperature            | -40°C ~ 105°C (TA)                                                                                                                            |
| Number of I/O                   | 28                                                                                   | 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 192KB (192K x 8) FLASH 48-LQFP (7x7) | Data Converters                  | A/D 10x10b, D/A 1x8b                                                                                                                          |
| Core Size                       | 16-Bit                                                                               | Core Processor                   | S12Z                                                                                                                                          |
| Connectivity                    | CANbus, I <sup>2</sup> C, SCI, SPI                                                   |                                  |                                                                                                                                               |

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