

S9S12GNA32F0MLF



Part Number: [S9S12GNA32F0MLF](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: 16-BIT MCU S12 CORE 32KB FLASH

Data sheet:

RoHs Status:

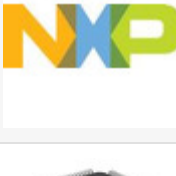
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                               |                                  |                                                |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|----------------------------------|------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | S9S12GNA32F0MLF                                                               | Manufacturer                     | <a href="#">NXP Semiconductors / Freescale</a> |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 16-BIT MCU S12 CORE 32KB FLASH                                                | Lead Free Status / RoHS Status   |                                                |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 34090 pcs                                                                     | Data sheet                       |                                                |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <a href="#">Integrated Circuits (ICs)</a>                                     | Voltage - Supply (Vcc/Vdd)       | 3.13 V ~ 5.5 V                                 |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 48-LQFP (7x7)                                                                 | Speed                            | 25MHz                                          |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | HCS12                                                                         | RAM Size                         | 1K x 8                                         |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | FLASH                                                                         | Program Memory Size              | 16KB (16K x 8)                                 |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | LVD, POR, PWM, WDT                                                            | Packaging                        | Tray                                           |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 48-LQFP                                                                       | Other Names                      | 935325804557                                   |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Internal                                                                      | Operating Temperature            | -40°C ~ 150°C (TA)                             |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 40                                                                            | Moisture Sensitivity Level (MSL) | 3 (168 Hours)                                  |
| Manufacturer Standard Lead Time                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 14 Weeks                                                                      | EEPROM Size                      | 512 x 8                                        |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 12V1 HCS12 Microcontroller IC 16-Bit 25MHz 16KB (16K x 8) FLASH 48-LQFP (7x7) | Data Converters                  | A/D 8x12b                                      |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 16-Bit                                                                        | Core Processor                   | 12V1                                           |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | IrDA, LINbus, SCI, SPI                                                        |                                  |                                                |
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|  | Part#: <a href="#">S9S12GNA16F0WLF</a><br>Description: 16-BIT MCU S12 CORE 16KB FLASH    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | RFQ |
|  | Part#: <a href="#">S9S12GNA16F0MLF</a><br>Description: 16-BIT MCU S12 CORE 16KB FLASH    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | RFQ |
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|  | Part#: <a href="#">S9S12HY32J0CLL</a><br>Description: 16-BIT MCU S12 CORE 32KB FLASH     | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | RFQ |
|  | Part#: <a href="#">S9S12HA32J0CLL</a><br>Description: IC MCU 16BIT 32KB FLASH 100LQFP    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | RFQ |
|  | Part#: <a href="#">S9S12GN48F1CLC</a><br>Description: 16-BIT MCU S12 CORE 48KB FLASH     | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | RFQ |
|  | Part#: <a href="#">S9S12GN48F0VLHR</a><br>Description: 16-BIT MCU S12 CORE 48KB FLASH    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | RFQ |
|  | Part#: <a href="#">S9S12HY32J0MLH</a><br>Description: IC MCU 16BIT 32KB FLASH 64LQFP     | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | RFQ |
|  | Part#: <a href="#">S9S12HA48J0CLL</a><br>Description: IC MCU 16BIT 48KB FLASH 100LQFP    | Manufacturers: <a href="#">NXP USA Inc.</a>                   | RFQ |
|  | Part#: <a href="#">S9S12GN48F0WLFR</a><br>Description: 16-BIT MCU S12 CORE 48KB FLASH    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | RFQ |
|  | Part#: <a href="#">S9S12HA32J0VLL</a><br>Description: 16-BIT MCU S12 CORE 32KB FLASH     | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | RFQ |
|  | Part#: <a href="#">S9S12HA32J0VLHR</a><br>Description: 16-BIT MCU S12 CORE 32KB FLASH    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | RFQ |
|  | Part#: <a href="#">S9S12GN48F0WLF</a><br>Description: 16-BIT MCU S12 CORE 48KB FLASH     | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | RFQ |
|  | Part#: <a href="#">S9S12GNA16F0MLFR</a><br>Description: 16-BIT MCU S12 CORE 16KB FLASH   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | RFQ |
|  | Part#: <a href="#">S9S12H526J2VFVER</a><br>Description: IC MCU 16BIT 256KB FLASH 144LQFP | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | RFQ |
|  | Part#: <a href="#">S9S12GN48F1VLC</a><br>Description: IC MCU 16BIT 48KB FLASH 32LQFP     | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | RFQ |
|  | Part#: <a href="#">S9S12HY32J0CLHR</a><br>Description: 16-BIT MCU S12 CORE 32KB FLASH    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | RFQ |
|  | Part#: <a href="#">S9S12GN48F1VLCR</a><br>Description: 16-BIT MCU S12 CORE 48KB FLASH    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | RFQ |
|  | Part#: <a href="#">S9S12HY32J0CLH</a><br>Description: IC MCU 16BIT 32KB FLASH 64LQFP     | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | RFQ |

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