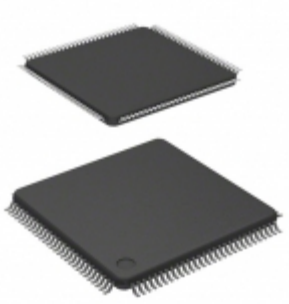


S912DG12CE1VPVE



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**Part Number:** [S912DG12CE1VPVE](#)

**Manufacturer:** [NXP Semiconductors / Freescale](#)

**Description:** IC MCU 16BIT 128KB FLASH 112LQFP

**Data sheet:**

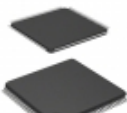
**RoHs Status:** Lead free / RoHS Compliant

**Ship From:** Hong Kong

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

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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                   |                                  |                                                |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------------------------------|------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                               | S912DG12CE1VPVE                                                                   | Manufacturer                     | <a href="#">NXP Semiconductors / Freescale</a> |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                               | IC MCU 16BIT 128KB FLASH 112LQFP                                                  | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                     |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                        | 2461 pcs                                                                          | Data sheet                       |                                                |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                  | <a href="#">Integrated Circuits (ICs)</a>                                         | Voltage - Supply (Vcc/Vdd)       | 4.5 V ~ 5.5 V                                  |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                   | 112-LQFP (20x20)                                                                  | Speed                            | 8MHz                                           |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                    | HC12                                                                              | RAM Size                         | 8K x 8                                         |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                       | FLASH                                                                             | Program Memory Size              | 128KB (128K x 8)                               |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                               | POR, PWM, WDT                                                                     | Packaging                        | Tray                                           |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                            | 112-LQFP                                                                          | Other Names                      | 935310718557                                   |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                                           | Internal                                                                          | Operating Temperature            | -40°C ~ 105°C (TA)                             |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                             | 69                                                                                | Moisture Sensitivity Level (MSL) | 3 (168 Hours)                                  |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                            | Lead free / RoHS Compliant                                                        | EEPROM Size                      | 2K x 8                                         |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                                      | CPU12 HC12 Microcontroller IC 16-Bit 8MHz 128KB (128K x 8) FLASH 112-LQFP (20x20) | Data Converters                  | A/D 16x8/10b                                   |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                                                 | 16-Bit                                                                            | Core Processor                   | CPU12                                          |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                              | CANbus, I <sup>2</sup> C, SCI, SPI                                                |                                  |                                                |
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|  | Part#: <a href="#">S912DG128H4VPVER</a><br>Description: IC MCU 16BIT 128KB FLASH 112LQFP | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">S912XD128F2VAAR</a><br>Description: 16-BIT MCU S12X CORE 128KB FLA    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">S9101-46R</a><br>Description: CONN PIN RCPT .043-.071 SMD             | Manufacturers: <a href="#">Harwin</a>                         | <a href="#">RFQ</a> |
|  | Part#: <a href="#">S912DT12PE2VPVER</a><br>Description: IC MCU 16BIT 128KB FLASH 112LQFP | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">S912DG12CE1VPVER</a><br>Description: IC MCU 16BIT 128KB FLASH 112LQFP | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">S912DG12AH4CPVE</a><br>Description: IC MCU 16BIT 128KB FLASH 112LQFP  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">S912XD256F1CAG</a><br>Description: 16-BIT MCU S12X CORE 256KB FLA     | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">S912B32E4CFUE8R</a><br>Description: IC MCU 8BIT 32KB FLASH 80QFP      | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">S912XD256F1CAAR</a><br>Description: 16-BIT MCU S12X CORE 256KB FLA    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">S912XD256F1CAGR</a><br>Description: 16-BIT MCU S12X CORE 256KB FLA    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">S9121-45R</a><br>Description: CONN PIN RCPT .059-0.075 SOLDER         | Manufacturers: <a href="#">Harwin</a>                         | <a href="#">RFQ</a> |
|  | Part#: <a href="#">S912DT12PE2MPVER</a><br>Description: IC MCU 16BIT 128KB FLASH 112LQFP | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">S912XD128F2VAA</a><br>Description: 16-BIT MCU S12X CORE 128KB FLA     | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">S9111-45R</a><br>Description: CONN PIN RCPT .059-0.075 SOLDER         | Manufacturers: <a href="#">Harwin</a>                         | <a href="#">RFQ</a> |
|  | Part#: <a href="#">S912XD256F1MAAR</a><br>Description: 16-BIT MCU S12X CORE 256KB FLA    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">S912DG12AE0CPVE</a><br>Description: IC MCU 16BIT 128KB FLASH 112LQFP  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">S912B32E4MFUE8R</a><br>Description: IC MCU 8BIT 32KB FLASH 80QFP      | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">S912XD64F2CAA</a><br>Description: 16-BIT MCU S12X CORE 64KB FLAS      | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
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