

S9S12P128J0CQK



**Part Number:** [S9S12P128J0CQK](#)

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

**Description:** IC MCU 16BIT 128KB FLASH 80QFP

**Data sheet:**  [MC9S12P128 Family DataSheet](#)  
 [MC9S12P Family](#)

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

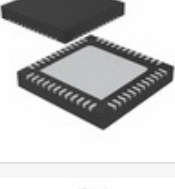
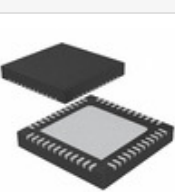
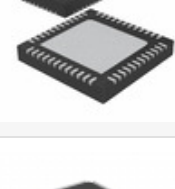
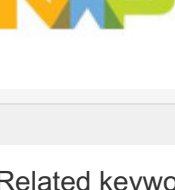
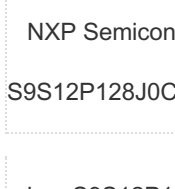
**Ship From:** Hong Kong

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Images are for reference only.  
See Product Specifications for product details.  
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                   |                                  |                                                                               |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------------------------------|-------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | S9S12P128J0CQK                                                                    | Manufacturer                     | <a href="#">NXP Semiconductors / Freescale</a>                                |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | IC MCU 16BIT 128KB FLASH 80QFP                                                    | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                    |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 20857 pcs                                                                         | Data sheet                       | <a href="#">MC9S12P128 Family DataSheet</a><br><a href="#">MC9S12P Family</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <a href="#">Integrated Circuits (ICs)</a>                                         | Voltage - Supply (Vcc/Vdd)       | 1.72 V ~ 5.5 V                                                                |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 80-QFP (14x14)                                                                    | Speed                            | 32MHz                                                                         |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | HCS12                                                                             | RAM Size                         | 6K x 8                                                                        |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | FLASH                                                                             | Program Memory Size              | 128KB (128K x 8)                                                              |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | LVD, POR, PWM, WDT                                                                | Packaging                        | Tray                                                                          |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 80-QFP                                                                            | Other Names                      | 935319492557                                                                  |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Internal                                                                          | Operating Temperature            | -40°C ~ 85°C (TA)                                                             |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 64                                                                                | Moisture Sensitivity Level (MSL) | 3 (168 Hours)                                                                 |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Lead free / RoHS Compliant                                                        | EEPROM Size                      | 4K x 8                                                                        |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | HCS12 HCS12 Microcontroller IC 16-Bit 32MHz 128KB (128K x 8) FLASH 80-QFP (14x14) | Data Converters                  | A/D 10x12b                                                                    |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 16-Bit                                                                            | Core Processor                   | HCS12                                                                         |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | CANbus, SCI, SPI                                                                  | Base Part Number                 | S9S12P128                                                                     |
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|  | Part#: <a href="#">S9S12P128J0MFT</a><br>Description: IC MCU 16BIT 128KB FLASH 48QFN    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
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|  | Part#: <a href="#">S9S12P128J0VLH</a><br>Description: 16-BIT MCU S12 CORE 128KB FLAS    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
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|  | Part#: <a href="#">S9S12HY64J0MLL</a><br>Description: IC MCU 16BIT 64KB FLASH 100LQFP   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
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|  | Part#: <a href="#">S9S12P128J0MQK</a><br>Description: IC MCU 16BIT 128KB FLASH 80QFP    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
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|  | Part#: <a href="#">S9S12HZ256J3VAL</a><br>Description: 16-BIT MCU S12 CORE 256KB FLASH  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
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