

S912XEG128J2CAA



Part Number: [S912XEG128J2CAA](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: IC MCU 16BIT 128KB FLASH 80QFP

Data sheet:  [MC9S12XDP512 Datasheet](#)

RoHs Status: Lead free / RoHS Compliant

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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                     |                                  |                                                |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------------------------------|------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                | S912XEG128J2CAA                                                                     | 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                                                                                                                                                                                                                                                                                                                                                                                                                         | 11349 pcs                                                                           | Data sheet                       | <a href="#">MC9S12XDP512 Datasheet</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                            | 50MHz                                          |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                     | HCS12X                                                                              | RAM Size                         | 12K 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                      | 935316521557                                   |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                                            | External                                                                            | Operating Temperature            | -40°C ~ 85°C (TA)                              |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                              | 59                                                                                  | Moisture Sensitivity Level (MSL) | 3 (168 Hours)                                  |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                             | Lead free / RoHS Compliant                                                          | EEPROM Size                      | 2K x 8                                         |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                                       | HCS12X HCS12X Microcontroller IC 16-Bit 50MHz 128KB (128K x 8) FLASH 80-QFP (14x14) | Data Converters                  | A/D 8x12b                                      |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                                                  | 16-Bit                                                                              | Core Processor                   | HCS12X                                         |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                               | CANbus, EBI/EMI, I <sup>2</sup> C, IrDA, SCI, SPI                                   |                                  |                                                |
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