

MC9S12DJ128CPVE



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**Part Number:** [MC9S12DJ128CPVE](#)

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

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

**Data sheet:**  [MC9S12DT128 User Guide](#)  
 [MC9S12D Family Prod Brief](#)

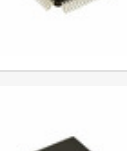
**RoHs Status:** Lead free / RoHS Compliant

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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                           |                                  |                                                                                     |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|----------------------------------|-------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | MC9S12DJ128CPVE                           | 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 5427 pcs                                  | Data sheet                       | <a href="#">MC9S12DT128 User Guide</a><br><a href="#">MC9S12D Family Prod Brief</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply (Vcc/Vdd)       | 2.35 V ~ 5.25 V                                                                     |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 112-LQFP (20x20)                          | Speed                            | 25MHz                                                                               |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | HCS12                                     | RAM Size                         | 8K x 8                                                                              |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | FLASH                                     | Program Memory Size              | 128KB (128K x 8)                                                                    |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | PWM, WDT                                  | Packaging                        | Tray                                                                                |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 112-LQFP                                  | Other Names                      | 935322652557                                                                        |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Internal                                  | Operating Temperature            | -40°C ~ 85°C (TA)                                                                   |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 91                                        | Moisture Sensitivity Level (MSL) | 3 (168 Hours)                                                                       |
| Manufacturer Standard Lead Time                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 15 Weeks                                  | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                          |
| EEPROM Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 2K x 8                                    | Detailed Description             | HCS12 HCS12 Microcontroller IC 16-Bit 25MHz 128KB (128K x 8) FLASH 112-LQFP (20x20) |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | A/D 16x10b                                | Core Size                        | 16-Bit                                                                              |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | HCS12                                     | Connectivity                     | CANbus, I <sup>2</sup> C, SCI, SPI                                                  |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | MC9S12DJ128                               |                                  |                                                                                     |
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|  | Part#: <a href="#">MC9S12DG256CFUER</a><br>Description: S12DG 16-BIT MCU HCS12 CORE 25  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
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