

MC9S12DJ128MFUE



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**Part Number:** [MC9S12DJ128MFUE](#)

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

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

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

**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                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | MC9S12DJ128MFUE                           | 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 4115 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 80-QFP (14x14)                            | 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 80-QFP                                    | Oscillator Type                | Internal                                                                            |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | -40°C ~ 125°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           | HCS12 HCS12 Microcontroller IC 16-Bit 25MHz 128KB (128K x 8) FLASH 80-QFP (14x14)   |
| 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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