

Microcontroller, HCS12 Family S12D Series Microcontrollers, HCS12, 16bit, 25 MHz, 128 KB, 8 KB

Manufacturers	<a href="#">NXP Semiconductor</a>
Package/Case	QFP-80
Product Type	Embedded Processors & Controllers
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for MC9S12DG128CFUE or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

MC9S12DG128CFUE is a microcontroller unit (MCU) manufactured by NXP Semiconductors. It is a member of the HCS12 family of 16-bit MCUs, specifically designed for embedded control applications.

### Features

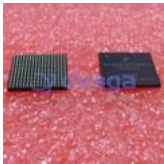
- 128 KB flash memory and 4 KB EEPROM
- 8 KB RAM
- 16-bit CPU core operating at up to 25 MHz
- 16-channel 10-bit A/D converter
- Two SCI (serial communication interface) modules
- CAN (Controller Area Network) module
- PWM (pulse-width modulation) module
- 81 general-purpose I/O pins
- Operating voltage range of 2.35 V to 5.5 V

### Application

- Engine management systems
- Transmission control modules
- Anti-lock braking systems (ABS)
- Electronic power steering (EPS) systems
- HVAC (heating, ventilation, and air conditioning) control systems
- Industrial automation systems
- Medical diagnostic equipment

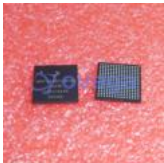


### Related Products



#### [MCIMX6Y2CVM08AA](#)

NXP Semiconductor  
MAPBGA-289



#### [MCF5253CVM140](#)

NXP Semiconductor  
BGA-225



#### [MCF52223CAF80](#)

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100-LQFP



#### [MC9S12DG128MFUE](#)

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#### [MC68302CEH20C](#)

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PQFP-132



#### [MC68332ACEH20](#)

NXP Semiconductor  
QFP132



#### [MC9S12DP512VPVE](#)

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LQFP-112



#### [MC9S08GT8AMFBE](#)

NXP Semiconductor  
QFP-44