

Microcontroller, HCS12 Family S12D Series Microcontrollers, HCS12, 16bit, 25 MHz, 64 KB, 4 KB

Manufacturers	NXP Semiconductor
Package/Case	PQFP-80
Product Type	Embedded Processors & Controllers
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for MC9S12D64CFUE or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

MC9S12D64CFUE is a microcontroller unit (MCU) from the S12 family, produced by NXP Semiconductors (formerly Freescale Semiconductor). It is an advanced 16-bit MCU with a high-performance CPU and peripheral set, specifically designed for automotive applications.

Features

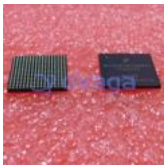
- 16-bit HCS12 core with a clock speed of up to 25 MHz
- 64KB flash memory
- 4KB EEPROM
- 4KB RAM
- 8-channel 10-bit analog-to-digital converter (ADC)
- CAN 2.0B controller
- SCI, SPI, and IIC communication interfaces
- 72 GPIO pins
- Timer and pulse-width modulation (PWM) modules
- Operating voltage range: 4.5V to 5.5V

Application

- MC9S12D64CFU
- MC9S12D64CFUE5
- MC9S12D64CFUE4
- MC9S12D64MPV
- MC9S12DG64CFUE
- MC9S12DT64CFUE
- MC9S12DP64CFUE
- MC9S12A64CFUE



Related Products



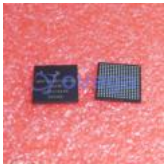
[MCIMX6Y2CVM08AA](#)

NXP Semiconductor
MAPBGA-289



[MC68302CEH20C](#)

NXP Semiconductor
PQFP-132



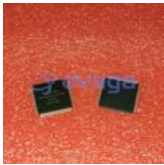
[MCF5253CVM140](#)

NXP Semiconductor
BGA-225



[MC68332ACEH20](#)

NXP Semiconductor
QFP132



[MCF52223CAF80](#)

NXP Semiconductor
100-LQFP



[MC9S12DP512VPVE](#)

NXP Semiconductor
LQFP-112



[MC9S12DG128MFUE](#)

NXP Semiconductor
QFP-80



[MC9S08GT8AMFBE](#)

NXP Semiconductor
QFP-44