

Microcontroller, HCS12 Family S12A Series Microcontrollers, HCS12, 16bit, 25 MHz, 64 KB, 4 KB

Manufacturers	NXP Semiconductor
Package/Case	LQFP-112
Product Type	Embedded Processors & Controllers
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for MC9S12A64CPVE or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

MC9S12A64CPVE is a microcontroller unit (MCU) produced by NXP Semiconductors. It belongs to the HCS12 family of MCUs and is based on the 16-bit S12 core.

Features

64 KB flash memory

4 KB RAM

8-channel, 10-bit analog-to-digital converter (ADC)

8-channel pulse-width modulation (PWM) module

2-channel CAN interface

2-channel SCI interface

2-channel SPI interface

2-channel I2C interface

56 general-purpose input/output (GPIO) pins

Operating voltage range: 2.35V to 5.5V

Operating temperature range: -40°C to +125°C

Application

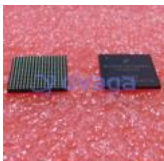
Automotive control systems, such as engine control units (ECUs) and body control modules (BCMs)

Industrial control systems, such as motor control and process control

Consumer electronics, such as home appliances and electronic toys



Related Products



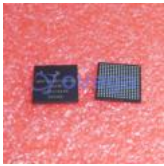
[MCIMX6Y2CVM08AA](#)

NXP Semiconductor
MAPBGA-289



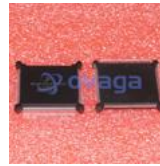
[MC68302CEH20C](#)

NXP Semiconductor
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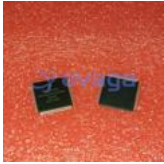
[MCF5253CVM140](#)

NXP Semiconductor
BGA-225



[MC68332ACEH20](#)

NXP Semiconductor
QFP132



[MCF52223CAF80](#)

NXP Semiconductor
100-LQFP



[MC9S12DP512VPVE](#)

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[MC9S12DG128MFUE](#)

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QFP-80



[MC9S08GT8AMFBE](#)

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QFP-44