

MCU 16-bit HCS12 CISC 512KB Flash 2.5V/5V Automotive 112-Pin LQFP Tray

Manufacturers	<a href="#">NXP Semiconductor</a>
Package/Case	LQFP-112
Product Type	Embedded Processors & Controllers
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for MC9S12DP512MPVE or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

MC9S12DP512MPVE is a microcontroller unit (MCU) produced by NXP Semiconductors. It belongs to the S12 family of MCUs, which are 16-bit devices designed for use in automotive and industrial applications.

## Features

512KB flash memory

12KB RAM

16-channel 10-bit ADC

CAN, SCI, and SPI communication interfaces

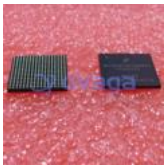
16-bit timer modules

PWM output for motor control

Multiple power-saving modes



## Related Products



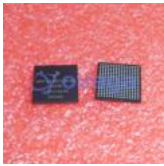
### [MCIMX6Y2CVM08AA](#)

NXP Semiconductor  
MAPBGA-289



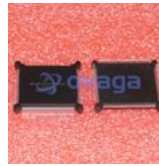
### [MC68302CEH20C](#)

NXP Semiconductor  
PQFP-132



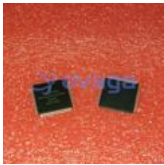
### [MCF5253CVM140](#)

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