

16-bit Microcontrollers - MCU 16 Bit 25MHz

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



Images are for reference only

Please submit RFQ for MC9S12DP256BMPV or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

MC9S12DP256BMPV is a microcontroller manufactured by NXP Semiconductors. It is a member of the HCS12 family of microcontrollers, which are 16-bit devices that use a Von Neumann architecture.

Features

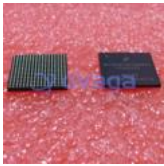
- 256 KB of Flash memory
- 12 KB of RAM
- 8-channel 10-bit analog-to-digital converter (ADC)
- 2 serial communication interfaces (SCI)
- 2 inter-integrated circuit (I2C) communication interfaces
- 2 universal asynchronous receiver/transmitter (UART) interfaces
- 16-bit timer with 8-bit prescaler
- 8-channel pulse width modulator (PWM)

Application

- Engine control units (ECUs)
- Anti-lock braking systems (ABS)
- Airbag control systems
- Powertrain control modules (PCMs)
- Electronic stability control (ESC) systems
- HVAC controllers
- Motor control systems
- Robotics



Related Products



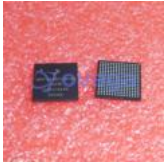
[MCIMX6Y2CVM08AA](#)

NXP Semiconductor
MAPBGA-289



[MC68302CEH20C](#)

NXP Semiconductor
PQFP-132



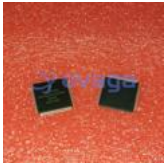
[MCF5253CVM140](#)

NXP Semiconductor
BGA-225



[MC68332ACEH20](#)

NXP Semiconductor
QFP132



[MCF52223CAF80](#)

NXP Semiconductor
100-LQFP



[MC9S12DP512VPVE](#)

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LQFP-112



[MC9S12DG128MFUE](#)

NXP Semiconductor
QFP-80



[MC9S08GT8AMFBE](#)

NXP Semiconductor
QFP-44