

Microcontroller, HCS12X Family S12XE Series Microcontrollers, HCS12X, 16bit, 50 MHz, 256 KB, 16 KB



Images are for reference only

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

Please submit RFQ for MC9S12XET256MAA or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

MC9S12XET256MAA is a microcontroller chip manufactured by NXP Semiconductors. It belongs to the S12X family of 16-bit microcontrollers and is designed for embedded applications that require high processing power, connectivity, and security features.

Features

- 256 KB flash memory
- 12 KB RAM
- 16-bit CPU with a maximum frequency of 40 MHz
- 112 GPIO pins
- Multiple communication interfaces (CAN, LIN, SPI, I2C)
- Advanced security features (AES encryption, DES encryption, CRC, etc.)
- Operating voltage range of 2.35V to 5.5V

Application

- Automotive systems (engine management, powertrain control, body control, etc.)
- Industrial control systems
- Medical devices
- Home automation systems
- Consumer electronics



Related Products



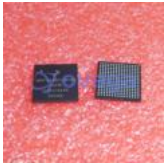
[MCIMX6Y2CVM08AA](#)

NXP Semiconductor
MAPBGA-289



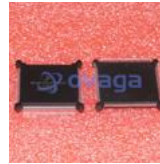
[MC68302CEH20C](#)

NXP Semiconductor
PQFP-132



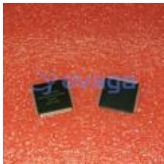
[MCF5253CVM140](#)

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BGA-225



[MC68332ACEH20](#)

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100-LQFP



[MC9S12DP512VPVE](#)

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