

16-Bit Automotive Microcontroller, Microcontrollers (MCU) 16BIT 256K FLASH 16K RAM

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



Images are for reference only

Please submit RFQ for MC9S12XET256MAL or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.



General Description

MC9S12XET256MAL is a microcontroller from NXP Semiconductors (formerly Freescale Semiconductor) that belongs to the family of MC9S12XET devices. It is a 16-bit microcontroller with an integrated flash memory and a variety of peripherals.

Features

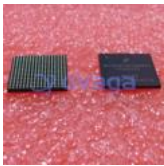
- 16-bit HCS12X central processing unit (CPU)
- 256 KB of on-chip flash memory
- 8 KB of on-chip RAM
- Two CAN modules
- 16-channel, 12-bit analog-to-digital converter (ADC)
- Multiple communication interfaces such as SCI, SPI, I2C, and LIN
- Timers and PWM modules
- External bus interface (EBI) for connecting external memory or peripherals

Application

- Automotive control systems such as engine management, transmission control, and chassis control
- Industrial control systems such as motor control, process control, and robotics
- Consumer electronics such as home automation, appliances control, and multimedia systems
- Medical devices such as patient monitoring and diagnostic equipment



Related Products



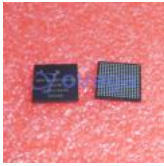
[MCIMX6Y2CVM08AA](#)

NXP Semiconductor
MAPBGA-289



[MC68302CEH20C](#)

NXP Semiconductor
PQFP-132



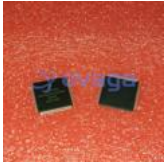
[MCF5253CVM140](#)

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