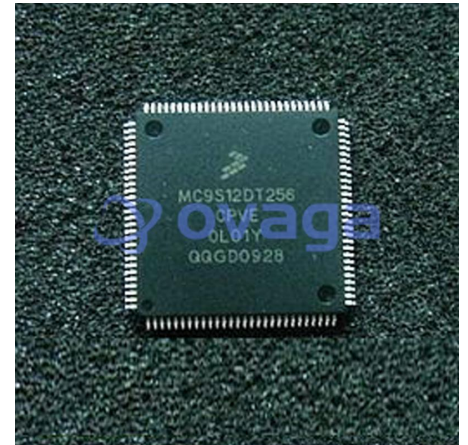


Microcontroller, HCS12 Family S12D Series Microcontrollers, HCS12, 16bit, 25 MHz, 256 KB, 12 KB

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



Images are for reference only

Please submit RFQ for MC9S12DT256CPVE or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

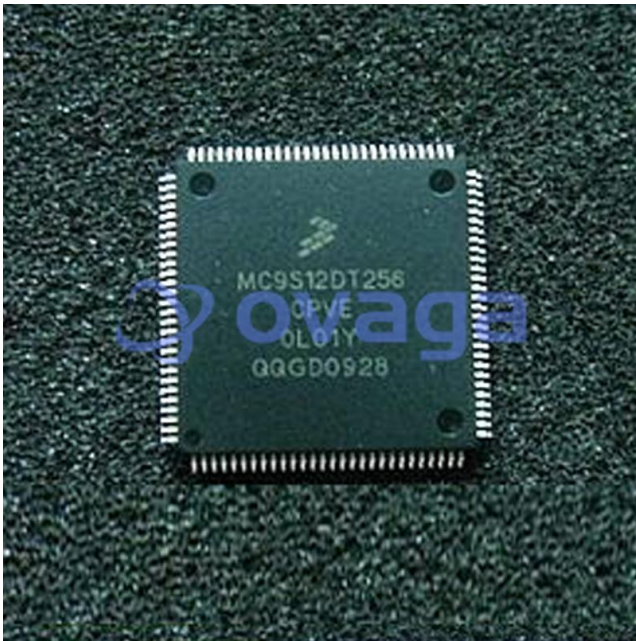
MC9S12DT256CPVE is a microcontroller unit (MCU) from the Freescale/NXP HCS12 family, now a part of NXP Semiconductors.

Features

- 16-bit CPU core based on the S12X architecture.
- 256 KB flash memory.
- 8 KB RAM memory.
- Operating frequency of up to 50 MHz.
- 112 I/O pins.
- Multiple communication interfaces, including SCI, SPI, I2C, CAN, and LIN.
- Multiple timers and interrupts.
- 12-bit ADC and PWM modules.

Application

- Automotive applications (e.g., engine control, body electronics, and infotainment systems).
- Industrial control systems.
- Medical devices.
- Consumer electronics.



Related Products



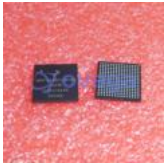
[MCIMX6Y2CVM08AA](#)

NXP Semiconductor
MAPBGA-289



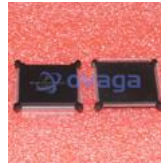
[MC68302CEH20C](#)

NXP Semiconductor
PQFP-132



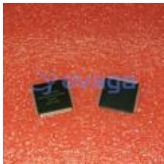
[MCF5253CVM140](#)

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