MC9S12DG128CPVE

Data Sheet

Microcontroller, HCS12 Family S12D Series Microcontrollers, HCS12, 16bit, 25 MHz, 128 KB, 8 KB

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

Images are for reference only

Please submit RFQ for MC9S12DG128CPVE or Email to us: sales@ovaga.com We will contact you in 12 hours.

RFQ

General Description

MC9S12DG128CPVE is a microcontroller unit (MCU) from NXP Semiconductors. It is a member of the HCS12 family and is based on the 16-bit S12 architecture. Here are some of its features:

Features

It has 128KB of flash memory and 8KB of RAM.

It has an 8-channel 10-bit analog-to-digital converter (ADC).

It has a variety of communication interfaces including two SCI (serial communication interface) modules, two SPI (serial peripheral interface) modules, and an I2C (inter-integrated circuit) module.

It has a 16-bit timer module and a 16-bit pulse width modulation (PWM) module.

It operates at a clock speed of up to 25 MHz.

It is compatible with CAN (controller area network) protocol.

Application

Engine management systems in automobiles

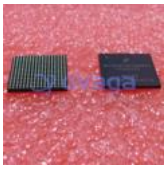
Motor control systems in industrial equipment

Home automation systems

Security systems

Medical equipment

Related Products



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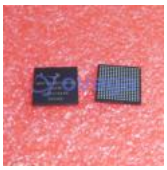
NXP Semiconductor

MAPBGA-289

[MC68302CEH20C]

NXP Semiconductor

PQFP-132



[MCF5253CVM140]

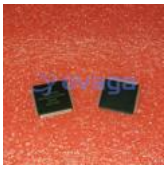
NXP Semiconductor

BGA-225

[MC68332ACEH20]

NXP Semiconductor

QFP132



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NXP Semiconductor

100-LQFP

[MC9S12DP512VPVE]

NXP Semiconductor

LQFP-112

[MC9S12DG128MFUE]

NXP Semiconductor

QFP-80

[MC9S08GT8AMFBE]

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QFP-44