

4K FLASH W/ADC, Microcontrollers (MCU) 8 Bit 8MHz Motorola

Manufacturers

[NXP Semiconductor](#)

Package/Case

SOIC-16

Product Type

Embedded Processors & Controllers

RoHS

Lifecycle



Images are for reference only

Please submit RFQ for MC68HC908QY4CDW or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

MC68HC908QY4CDW is a microcontroller unit (MCU) from the HC08 family, which is a group of 8-bit microcontrollers developed by Freescale Semiconductor (now NXP Semiconductors).

## Features

8-bit CPU core with Harvard architecture

4 KB of flash memory for program storage

192 bytes of random access memory (RAM) for data storage

8-channel, 10-bit analog-to-digital converter (ADC)

2-channel pulse-width modulation (PWM) output

16-bit timer with input capture and output compare capabilities

On-chip oscillator and clock generation circuitry

Serial communication interface (SCI) and serial peripheral interface (SPI)

Low-power consumption modes for battery-powered applications

## Application

Automotive electronics (such as engine control units, powertrain control modules, and body control modules)

Industrial automation and control systems

Medical devices

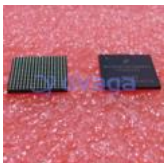
Consumer electronics (such as remote controls and toys)

Security and access control systems

Smart home and IoT devices



## Related Products



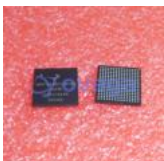
[MCIMX6Y2CVM08AA](#)

NXP Semiconductor  
MAPBGA-289



[MC68302CEH20C](#)

NXP Semiconductor  
PQFP-132



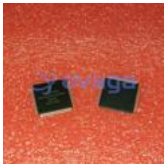
[MCF5253CVM140](#)

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[MC68332ACEH20](#)

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QFP132



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NXP Semiconductor  
100-LQFP



[MC9S12DP512VPVE](#)

NXP Semiconductor  
LQFP-112



[MC9S12DG128MFUE](#)

NXP Semiconductor  
QFP-80



[MC9S08GT8AMFBE](#)

NXP Semiconductor  
QFP-44