

ColdFire Microcontroller, Modular Architecture, Coldfire Family MC683xx Series Microcontrollers

Manufacturers	<u><a href="#">NXP Semiconductor</a></u>
Package/Case	TQFP132
Product Type	Embedded Processors & Controllers
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for MC68332ACEH16 or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

MC68332ACEH16 is a 32-bit microcontroller unit (MCU) manufactured by Freescale Semiconductor (now NXP Semiconductors). It is a high-performance MCU that is used in various applications, including automotive, industrial, and medical systems. Here are some of its features:

### Features

32-bit CPU with an instruction set architecture that supports both big-endian and little-endian byte ordering.

Clock speed of up to 16 MHz.

On-chip memory, including 32 KB of ROM, 32 KB of RAM, and 512 bytes of EEPROM.

Four-channel DMA controller, two serial communication interfaces (SCI), and two serial peripheral interfaces (SPI).

Two 16-bit timer/pulse width modulation (PWM) modules, a real-time interrupt (RTI), and a watchdog timer (WDT).

16-bit external bus interface with programmable chip selects.

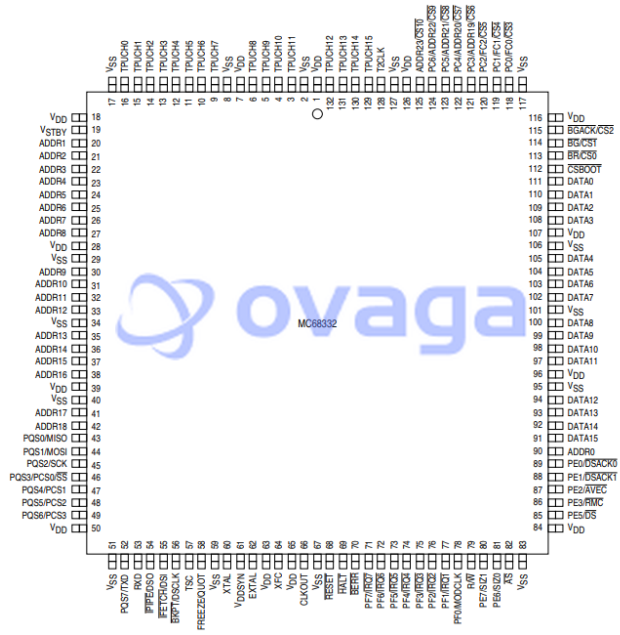
### Application

Automotive engine control modules (ECMs) and transmission control modules (TCMs)

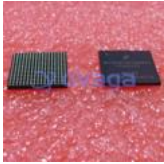
Industrial automation and control systems, including robotics, motion control, and process control

Medical equipment, such as patient monitoring systems and diagnostic equipment

Communication systems, including routers, switches, and network gateways

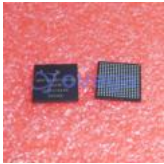


**Related Products**



[MCIMX6Y2CVM08AA](#)

NXP Semiconductor  
MAPBGA-289



[MCF5253CVM140](#)

NXP Semiconductor  
BGA-225



[MCF52223CAF80](#)

NXP Semiconductor  
100-LQFP



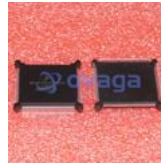
[MC9S12DG128MFUE](#)

NXP Semiconductor  
QFP-80



[MC68302CEH20C](#)

NXP Semiconductor  
PQFP-132



[MC68332ACEH20](#)

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[MC9S12DP512VPVE](#)

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LQFP-112



[MC9S08GT8AMFBE](#)

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QFP-44