

32BIT 256KFLASH 8K+2KRAM, Microcontrollers (MCU) 32B 256KFLASH 8K 2K RAM

Manufacturers	<u><a href="#">NXP Semiconductor</a></u>
Package/Case	BGA-217
Product Type	Embedded Processors & Controllers
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for MC68F375BGMZP33 or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

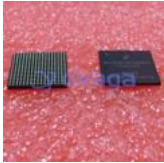
MC68F375BGMZP33 is a microcontroller unit (MCU) produced by NXP Semiconductors. It is a member of the ColdFire® V1 family of 32-bit MCUs and features an embedded flash memory, on-chip peripheral interfaces, and a CPU core that is compatible with the industry-standard ARMv6-M architecture.

## Features

- 32-bit ARMv6-M CPU core clocked at up to 33 MHz
- 128 KB embedded flash memory for program storage
- 16 KB RAM for data storage
- Multiple communication interfaces, including UART, I2C, and SPI
- Analog-to-digital converter (ADC) with 12-bit resolution and up to 16 input channels
- Pulse-width modulation (PWM) outputs for motor control and other applications
- Timers and interrupts for precise timing and control
- Low-power modes for battery-powered applications

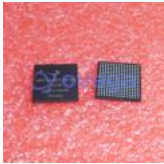


### Related Products



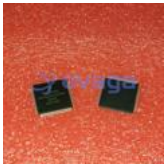
[MCIMX6Y2CVM08AA](#)

NXP Semiconductor  
MAPBGA-289



[MCF5253CVM140](#)

NXP Semiconductor  
BGA-225



[MCF52223CAF80](#)

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100-LQFP



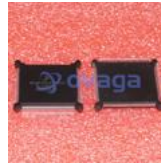
[MC9S12DG128MFUE](#)

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PQFP-132



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[MC9S12DP512VPVE](#)

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[MC9S08GT8AMFBE](#)

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QFP-44