

ColdFire Microcontroller, Coldfire Family MC683xx Series Microcontrollers, CPU32, 32bit, 25 MHz

Manufacturers	<a href="#">NXP Semiconductor</a>
Package/Case	PQFP-132
Product Type	Embedded Processors & Controllers
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for MC68332ACEH25 or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

MC68332ACEH25 is a microcontroller unit (MCU) manufactured by NXP Semiconductors. It belongs to the M68HC05 family of MCUs and is a 32-bit MCU with a clock speed of 25 MHz. Some of its features are:

### Features

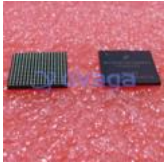
- 32-bit CPU core with instruction set compatible with the M68000 family
- 32-bit data bus and 24-bit address bus
- On-chip memory including 32 KB of ROM, 512 bytes of EEPROM, and 2 KB of RAM
- 16-channel direct memory access (DMA) controller
- Two asynchronous serial communication interfaces (SCI) and two synchronous serial communication interfaces (SPI)
- 16-bit timer and four 16-bit pulse width modulation (PWM) channels
- 84 general-purpose I/O pins

### Application

- Motor control
- Robotics
- HVAC systems
- Security systems
- Network routers and switches
- Point-of-sale (POS) systems
- Gaming machines



## Related Products



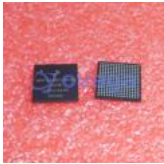
### [MCIMX6Y2CVM08AA](#)

NXP Semiconductor  
MAPBGA-289



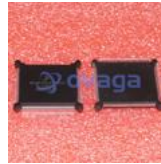
### [MC68302CEH20C](#)

NXP Semiconductor  
PQFP-132



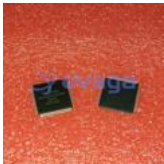
### [MCF5253CVM140](#)

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