

ColdFire Microcontroller, Modular Architecture, Coldfire Family MC683xx Series Microcontrollers

Manufacturers	NXP Semiconductor
Package/Case	QFP132
Product Type	Embedded Processors & Controllers
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for MC68332ACEH20 or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

RFQ

General Description

MC68332ACEH20 is a microcontroller unit (MCU) manufactured by NXP Semiconductors (formerly Motorola). It belongs to the MC68300 family of MCUs and is based on the Motorola 68000 CPU core.

Features

- 32-bit architecture with a 16-bit data bus
- Up to 20 MHz operating frequency
- 1 KB instruction cache and 256 bytes data cache
- 32 KB of on-chip ROM and 1 KB of on-chip RAM
- 16-channel, 16-bit timer module
- Multiple serial communication interfaces including UART, SPI, and I2C
- DMA controller for efficient data transfer
- Low-power consumption with sleep and stop modes

Application

- Industrial control systems
- Motor control
- Automotive systems
- Instrumentation and measurement
- Medical devices
- Consumer electronics

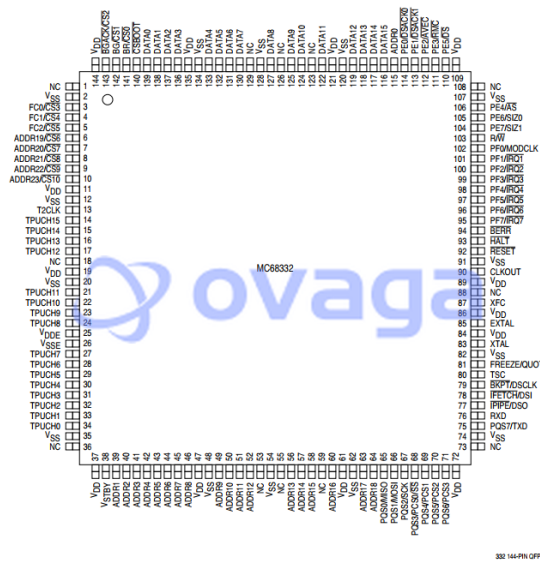
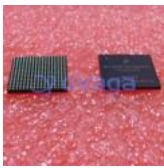


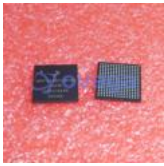
Figure 3 MC68332 144-Pin QFP Pin Assignments

Related Products



[MCIMX6Y2CVM08AA](#)

NXP Semiconductor
MAPBGA-289



[MCF5253CVM140](#)

NXP Semiconductor
BGA-225



[MC9S12DP512VPVE](#)

NXP Semiconductor
LQFP-112



[MC9S08GT8AMFBE](#)

NXP Semiconductor
QFP-44



[MC68302CEH20C](#)

NXP Semiconductor
PQFP-132



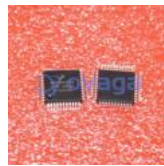
[MCF52223CAF80](#)

NXP Semiconductor
100-LQFP



[MC9S12DG128MFUE](#)

NXP Semiconductor
QFP-80



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