

ColdFire Microcontroller, Coldfire Family MC683xx Series Microcontrollers, Coldfire v1, 32bit

Manufacturers	NXP Semiconductor
Package/Case	LQFP-144
Product Type	Embedded Processors & Controllers
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for MC68331CAG16 or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

RFQ

General Description

MC68331CAG16 is a microcontroller unit (MCU) manufactured by NXP Semiconductors. It belongs to the Motorola 68300 family of microcontrollers and features an integrated processor unit (CPU), memory, input/output (I/O) interfaces, and other peripherals on a single chip.

Features

CPU: 32-bit M68000 central processor unit (CPU)

Clock speed: 16 MHz

On-chip memory: 64 KB of flash memory and 2 KB of RAM

I/O interfaces: 2 UARTs, 2 SPIs, 2 I2Cs, 3 timers, 1 watchdog timer, 1 parallel port, and 1 DMA controller

Power consumption: 50 mW in standby mode and 500 mW in active mode

Operating temperature range: -40°C to 85°C

Application

Industrial control systems

Automotive control systems

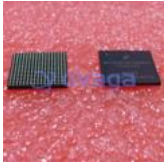
Medical devices

Consumer electronics

Robotics

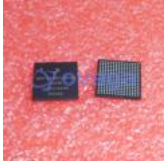


Related Products



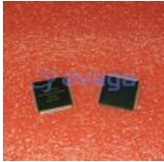
[MCIMX6Y2CVM08AA](#)

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](#)

NXP Semiconductor
QFP132



[MC9S12DP512VPVE](#)

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LQFP-112



[MC9S08GT8AMFBE](#)

NXP Semiconductor
QFP-44