MC68331CAG25

Data Sheet

32BIT MCU,GPT,SIM,QSM,Microcontrollers (MCU) 32B MCU GPT SIM QSM

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

Images are for reference only

Please submit RFQ for MC68331CAG25 or Email to us: sales@ovaga.com We will contact you in 12 hours.

RFQ

General Description

The MC68331CAG25 is a microcontroller unit (MCU) produced by Freescale Semiconductor (now part of NXP Semiconductors) that is based on the Motorola 68000 CPU architecture. Here are some of its features:

Features

25 MHz operating frequency

32-bit CPU core with 16-bit data bus and 24-bit address bus

8-channel direct memory access (DMA) controller

2 asynchronous serial communication interfaces

2 serial peripheral interface (SPI) channels

16-bit timer system with six channels

Analog-to-digital converter (ADC) with 8 channels and 10-bit resolution

Programmable interrupt controller (PIC)

On-chip memory, including 32 KB of ROM, 1 KB of EEPROM, and 2 KB of RAM

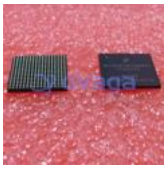
Application

Automotive engine control systems

Industrial control systems for manufacturing and process control

Telecommunications infrastructure equipment, such as base stations and switches

Related Products



[MCIMX6Y2CVM08AA](#)

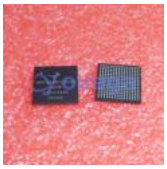
NXP Semiconductor

MAPBGA-289

[MC68302CEH20C](#)

NXP Semiconductor

PQFP-132



[MCF5253CVM140](#)

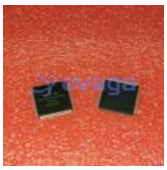
NXP Semiconductor

BGA-225

[MC68332ACEH20](#)

NXP Semiconductor

QFP132



[MCF52223CAF80](#)

NXP Semiconductor

100-LQFP

[MC9S12DP512VPVE](#)

NXP Semiconductor

LQFP-112

[MC9S12DG128MFUE](#)

NXP Semiconductor

QFP-80

[MC9S08GT8AMFBE](#)

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QFP-44