MC56F8356VFVE

Data Sheet

16 BIT HYBRID CONTROLLER,Digitala signalprocessorer och kontroller (DSP, DSC) 60MHz 60MIPS

Images are for reference only

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

Please submit RFQ for MC56F8356VFVE or Email to us: sales@ovaga.com We will contact you in 12 hours.

RFQ

General Description

MC56F8356VFVE is a digital signal controller (DSC) manufactured by NXP Semiconductors. It is part of the DSC56300 family, which is designed to provide a low-cost, high-performance solution for digital signal processing applications.

Features

32-bit digital signal processing core with a clock speed of up to 80 MHz

128 KB on-chip flash memory and 16 KB on-chip RAM

Multiple communication interfaces, including SPI, I2C, CAN, UART, and LIN

Analog-to-digital converters (ADCs) with up to 12-bit resolution and 16 channels

Pulse-width modulation (PWM) outputs for controlling motors and other actuators

High-precision timers for measuring and generating signals

Low-power modes for energy-efficient operation

Application

Motor control for industrial and automotive applications

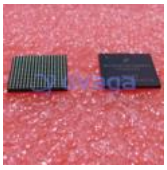
Power conversion and management

Audio processing and digital audio effects

Embedded control systems for consumer electronics, such as home appliances and smart devices

Lighting control and LED dimming

Related Products



[MCIMX6Y2CVM08AA](#)

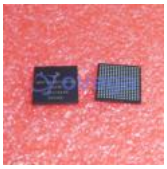
NXP Semiconductor

MAPBGA-289

[MC68302CEH20C](#)

NXP Semiconductor

PQFP-132



[MCF5253CVM140](#)

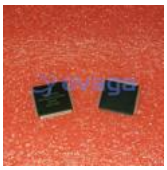
NXP Semiconductor

BGA-225

[MC68332ACEH20](#)

NXP Semiconductor

QFP132



[MCF52223CAF80](#)

NXP Semiconductor

100-LQFP

[MC9S12DP512VPVE](#)

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LQFP-112

[MC9S12DG128MFUE](#)

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QFP-44