MC56F8323VFBE

Data Sheet

16-bit Digital Signal Controllers,Digitala signalprocessorer och kontroller (DSP, DSC) 16 BIT HYBRID CONTROLLER

Images are for reference only

Manufacturers	NXP Semiconductor
Package/Case	LQFP-64
Product Type	Embedded Processors & Controllers
RoHS	Rohs
Lifecycle	

Please submit RFQ for MC56F8323VFBE or Email to us: sales@ovaga.com We will contact you in 12 hours.

RFQ

General Description

MC56F8323VFBE is a microcontroller unit (MCU) manufactured by NXP Semiconductors. It is a member of the Digital Signal Controller (DSC) family and is based on the 56800E core architecture.

Features

32-bit core with DSP and MCU functionality

64KB of on-chip flash memory and 8KB of SRAM

High-performance analog peripherals, including ADCs and DACs

Programmable gain amplifiers

On-chip temperature sensor

Up to 36MHz clock frequency

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

Low power consumption modes

Application

Motor control systems (e.g., brushless DC motors, AC induction motors)

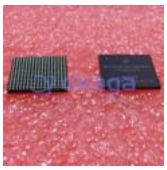
Power conversion systems (e.g., inverters, converters)

Lighting control systems

Audio processing systems

Industrial automation systems

Related Products



[MCIMX6Y2CVM08AA](#)

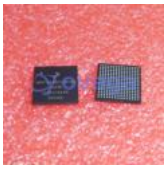
NXP Semiconductor

MAPBGA-289

[MC68302CEH20C](#)

NXP Semiconductor

PQFP-132



[MCF5253CVM140](#)

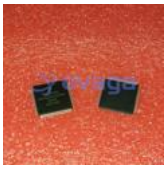
NXP Semiconductor

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