

16 BIT HYBRID CONTROLLER, Digitala signalprocessorer och kontrollrar (DSP, DSC) 16 BIT HYBRID CONTROLLER

Manufacturers	<u>NXP Semiconductor</u>
Package/Case	LQFP-128
Product Type	Embedded Processors & Controllers
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for MC56F8345VFGE or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

MC56F8345VFGE is a digital signal controller (DSC) manufactured by NXP Semiconductors. It belongs to the MC56F8000 series and is designed for use in a wide range of applications that require real-time processing, such as motor control, power conversion, and digital power management.

Features

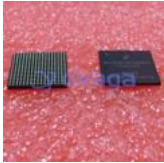
- 32-bit CPU core based on the ARM Cortex-M4 architecture
- High-speed 12-bit ADCs and DACs with advanced triggering options
- PWM generators with flexible dead-time and synchronization options
- Serial communication interfaces, including UART, SPI, and I2C
- On-chip memory, including flash, SRAM, and EEPROM
- Low-power consumption options with multiple power modes

Application

- Motor control for various types of motors, including AC induction, brushless DC, and stepper motors
- Power conversion for applications such as power supplies, inverters, and converters
- Digital power management for applications such as LED lighting and smart grid
- Industrial automation and control systems
- Medical devices and equipment
- Automotive systems, including electric and hybrid vehicles

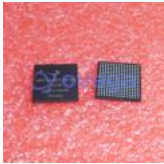


Related Products



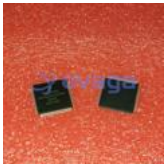
[MCIMX6Y2CVM08AA](#)

NXP Semiconductor
MAPBGA-289



[MCF5253CVM140](#)

NXP Semiconductor
BGA-225



[MCF52223CAF80](#)

NXP Semiconductor
100-LQFP



[MC9S12DG128MFUE](#)

NXP Semiconductor
QFP-80



[MC68302CEH20](#)

NXP Semiconductor
PQFP-132



[MC68332ACEH20](#)

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QFP132



[MC9S12DP512VPVE](#)

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LQFP-112



[MC9S08GT8AMFBE](#)

NXP Semiconductor
QFP-44