

Digital Signal Processors & Controllers - DSP, DSC 16 BIT HYBRID CONTROLLER

Manufacturers	<a href="#">NXP Semiconductor</a>
Package/Case	LQFP-128
Product Type	Embedded Processors & Controllers
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for MC56F8145VFGE or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

MC56F8145VFGE is a digital signal controller (DSC) manufactured by NXP Semiconductors. Here are some of its features:

### Features

- It is based on the 16-bit digital signal processor (DSP) core architecture
- It has a maximum operating frequency of 60 MHz
- It has 64 KB of flash memory and 4 KB of data RAM
- It has 24 channels of 12-bit analog-to-digital converters (ADCs) with a maximum sampling rate of 1 MSPS
- It has a variety of communication interfaces, including SPI, I2C, UART, CAN, and LIN

### Application

- Motor control
- Power management
- Industrial automation
- LED lighting control
- Medical devices



## Related Products



### [MCIMX6Y2CVM08AA](#)

NXP Semiconductor  
MAPBGA-289



### [MCF5253CVM140](#)

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BGA-225



### [MCF52223CAF80](#)

NXP Semiconductor  
100-LQFP



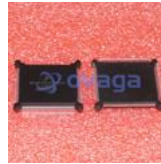
### [MC9S12DG128MFUE](#)

NXP Semiconductor  
QFP-80



### [MC68302CEH20C](#)

NXP Semiconductor  
PQFP-132



### [MC68332ACEH20](#)

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### [MC9S12DP512VPVE](#)

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LQFP-112



### [MC9S08GT8AMFBE](#)

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QFP-44