

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

Manufacturers	<a href="#">NXP Semiconductor</a>
Package/Case	LQFP-160
Product Type	Embedded Processors & Controllers
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for MC56F8367VPYE or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

MC56F8367VPYE is a microcontroller unit (MCU) from the 56F83xx series of MCUs manufactured by NXP Semiconductors (formerly Freescale Semiconductor). This MCU is built on a 32-bit digital signal processing (DSP) core and is designed to provide high performance and precision control for a wide range of applications.

## Features

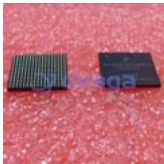
- 32-bit DSP core with a maximum clock frequency of 100 MHz
- 128 KB of flash memory and 20 KB of SRAM
- Multiple communication interfaces including UART, SPI, I2C, CAN, and USB
- Analog-to-digital converters (ADCs) with up to 24 channels and 12-bit resolution
- Pulse-width modulation (PWM) with up to 8 channels and high-resolution mode
- Timer modules with input capture, output compare, and PWM capability
- Low-power modes for power optimization

## Application

- Motor control systems for industrial, automotive, and consumer applications
- Power conversion and management systems
- Audio and video processing systems
- Sensor processing and measurement systems
- Communication systems

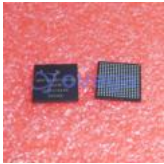


## Related Products



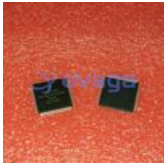
### [MCIMX6Y2CVM08AA](#)

NXP Semiconductor  
MAPBGA-289



### [MCF5253CVM140](#)

NXP Semiconductor  
BGA-225



### [MCF52223CAF80](#)

NXP Semiconductor  
100-LQFP



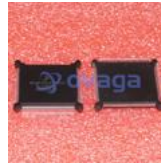
### [MC9S12DG128MFUE](#)

NXP Semiconductor  
QFP-80



### [MC68302CEH20C](#)

NXP Semiconductor  
PQFP-132



### [MC68332ACEH20](#)

NXP Semiconductor  
QFP132



### [MC9S12DP512VPVE](#)

NXP Semiconductor  
LQFP-112



### [MC9S08GT8AMFBE](#)

NXP Semiconductor  
QFP-44