

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

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



Images are for reference only

Please submit RFQ for MC56F8356MFVE or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

MC56F8356MFVE is a 32-bit Digital Signal Controller (DSC) manufactured by NXP Semiconductors. It belongs to the MC56F83xx series of DSCs and is based on a 56800E core with an on-chip flash memory.

Features

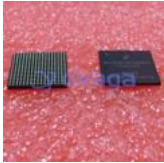
- It has a 32-bit CPU core with DSP functionality.
- It has a 64KB flash memory and 8KB of RAM.
- It supports multiple communication interfaces such as SPI, I2C, UART, and CAN.
- It has a built-in Analog-to-Digital Converter (ADC) and Digital-to-Analog Converter (DAC).
- It has a high-speed PWM module for motor control and power conversion applications.
- It has a flexible clock generation unit for precise timing control.

Application

- MC56F8356VFVE
- MC56F8356MAG
- MC56F8356MFKV
- MC56F8356VAG
- MC56F8356MFKE
- MC56F8356VFKV



Related Products



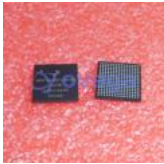
[MCIMX6Y2CVM08AA](#)

NXP Semiconductor
MAPBGA-289



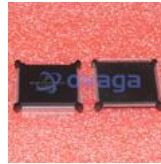
[MC68302CEH20C](#)

NXP Semiconductor
PQFP-132



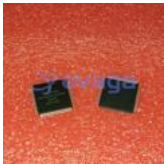
[MCF5253CVM140](#)

NXP Semiconductor
BGA-225



[MC68332ACEH20](#)

NXP Semiconductor
QFP132



[MCF52223CAF80](#)

NXP Semiconductor
100-LQFP



[MC9S12DP512VPVE](#)

NXP Semiconductor
LQFP-112



[MC9S12DG128MFUE](#)

NXP Semiconductor
QFP-80



[MC9S08GT8AMFBE](#)

NXP Semiconductor
QFP-44