

Digital Signal Controller, 56800E Series, 32 MHz, 16 KB, 13 I/O's, I2C, SCI, SPI, 1.8 V

Manufacturers	NXP Semiconductor
Package/Case	SOIC-28
Product Type	Embedded Processors & Controllers
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for MC56F8006VWL or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

MC56F8006VWL is a digital signal controller (DSC) manufactured by NXP Semiconductors. Here are some of its features:

Features

It is based on a 16-bit core architecture.

It has a maximum operating frequency of 80 MHz.

It has 64 KB of flash memory and 4 KB of RAM.

It has a variety of on-chip peripherals, including timers, ADCs, PWM modules, and communication interfaces (UART, SPI, I2C, CAN).

It is designed to operate in harsh industrial environments and is capable of withstanding high temperatures, voltage surges, and electromagnetic interference.

Application

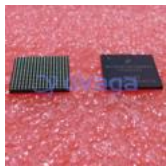
Motor control: MC56F8006VWL is well-suited for controlling various types of motors, such as brushless DC motors, AC induction motors, and stepper motors.

Power management: MC56F8006VWL can be used to regulate power supplies and manage battery charging in a variety of applications, such as portable devices and automotive systems.

Industrial automation: MC56F8006VWL can be used in various industrial control systems, such as programmable logic controllers (PLCs), robotics, and process control systems.

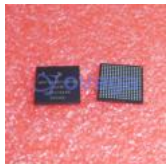


Related Products



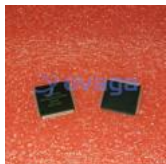
[MCIMX6Y2CVM08AA](#)

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