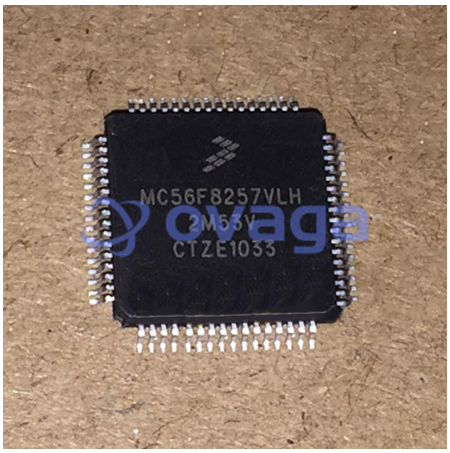
MC56F8257VLH

Data Sheet

Digital Signal Controller, MC56F82xx Series, 60 MHz, 64 KB, 54 I/O's, I2C, QSCI, QSPI

Manufacturers	NXP Semiconductor
Package/Case	LQFP-64
Product Type	Embedded Processors & Controllers
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for MC56F8257VLH or Email to us: sales@ovaga.com We will contact you in 12 hours.

RFQ

General Description

MC56F8257VLH is a digital signal controller (DSC) developed by NXP Semiconductors. It is a member of the 56800/E core-based DSC family and is designed to provide efficient control and signal processing capabilities for a wide range of embedded applications.

Features

16-bit core with 32-bit internal data path

Up to 60 MHz clock frequency

96 KB on-chip flash memory and 8 KB RAM

Up to 64 general-purpose input/output (GPIO) pins

Up to three universal asynchronous receiver/transmitter (UART) interfaces

Up to two serial peripheral interface (SPI) interfaces

Up to two inter-integrated circuit (I2C) interfaces

Up to four 16-bit timers and two 32-bit timers

Analog-to-digital converter (ADC) with up to 12-bit resolution and 16 channels

Application

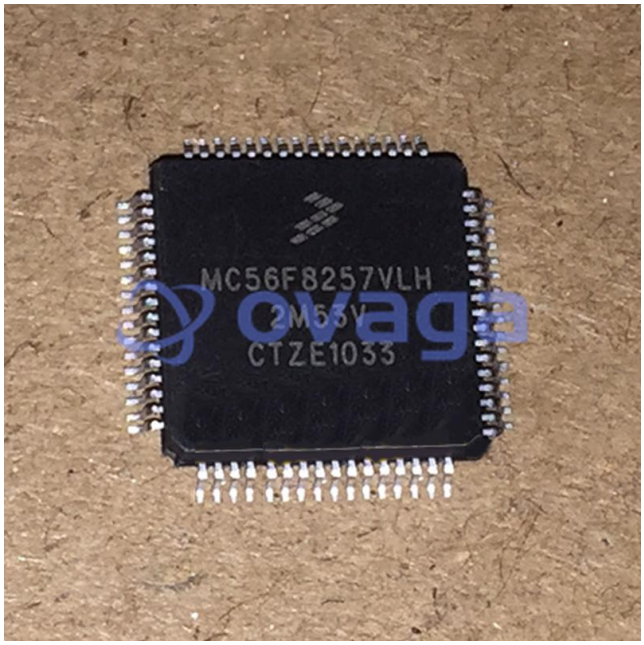
Motor control (e.g., brushless DC motor control, stepper motor control)

Power management (e.g., power factor correction, battery management)

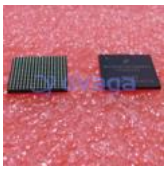
Industrial automation (e.g., programmable logic controllers, human-machine interfaces)

Audio processing (e.g., digital signal processing for audio effects, voice recognition)

Medical devices (e.g., patient monitoring, medical imaging)



Related Products



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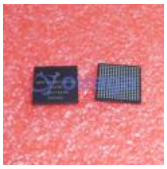
NXP Semiconductor

MAPBGA-289

[MC68302CEH20C]

NXP Semiconductor

PQFP-132



[MCF5253CVM140]

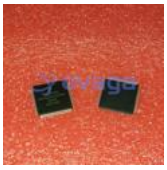
NXP Semiconductor

BGA-225

[MC68332ACEH20]

NXP Semiconductor

QFP132



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NXP Semiconductor

100-LQFP

[MC9S12DP512VPVE]

NXP Semiconductor

LQFP-112

[MC9S12DG128MFUE]

NXP Semiconductor

QFP-80

[MC9S08GT8AMFBE]

NXP Semiconductor

QFP-44