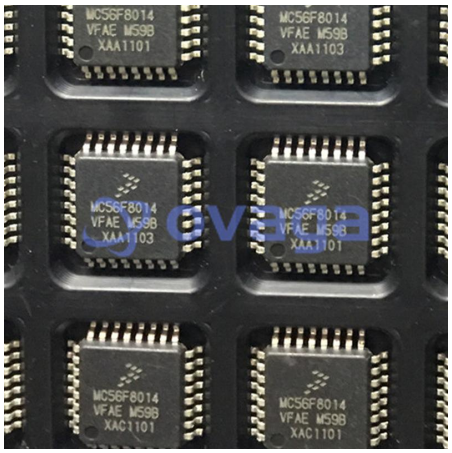
MC56F8014VFAE

Data Sheet

Digital Signal Controller, 32 MHz, 16 KB, 26 I/O's, I2C, SCI, SPI, 3.3 V

Manufacturers	NXP Semiconductor
Package/Case	LQFP-32
Product Type	Embedded Processors & Controllers
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for MC56F8014VFAE or Email to us: sales@ovaga.com We will contact you in 12 hours.

RFQ

General Description

MC56F8014VFAE is a microcontroller unit (MCU) manufactured by NXP Semiconductors, formerly Freescale Semiconductor. It belongs to the MC56F8000 digital signal controller (DSC) family and is designed for applications requiring high-performance signal processing capabilities.

Features

16-bit digital signal processing (DSP) core

Up to 60 MHz operating frequency

32 KB flash memory

4 KB RAM

Two 12-bit analog-to-digital converters (ADC)

Two 12-bit digital-to-analog converters (DAC)

Three universal asynchronous receiver/transmitter (UART) interfaces

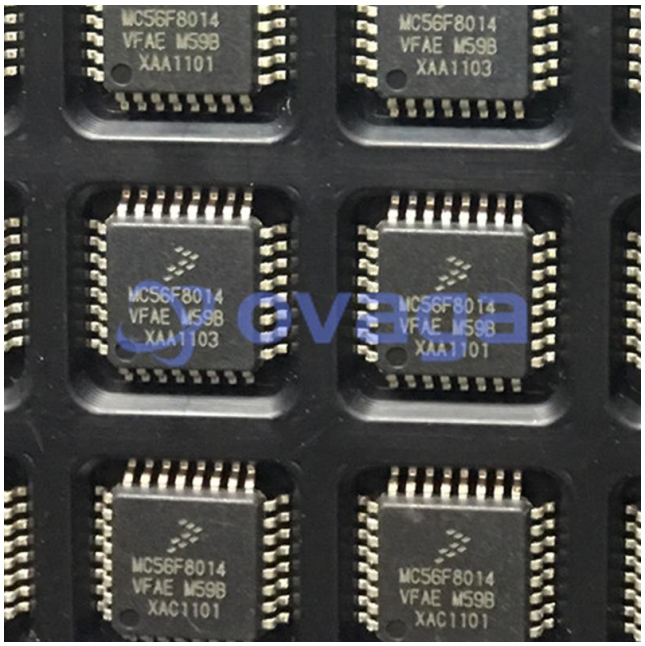
Two inter-integrated circuit (I2C) interfaces

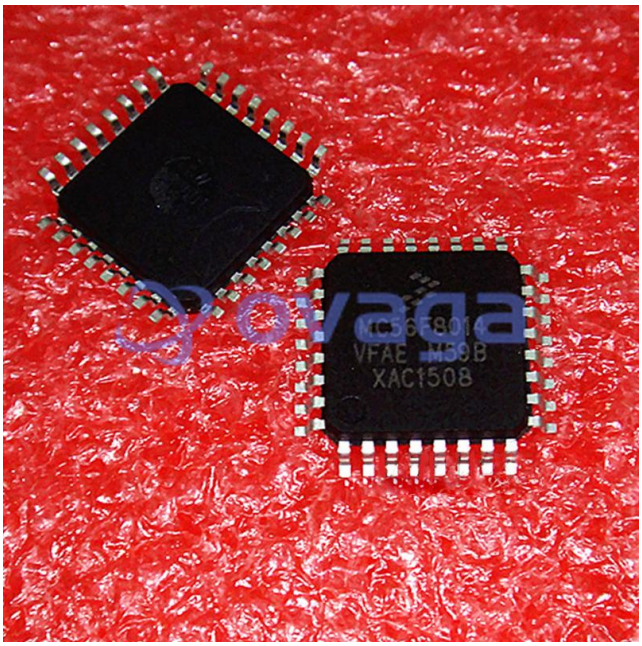
One serial peripheral interface (SPI)

Multiple pulse-width modulation (PWM) channels

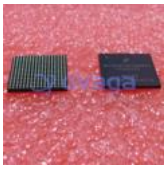
Interrupt controller

Low power consumption





Related Products



MCIMX6Y2CVM08AA

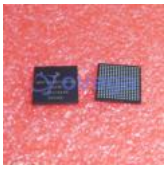
NXP Semiconductor

MAPBGA-289

MC68302CEH20C

NXP Semiconductor

PQFP-132



[MCF5253CVM140]

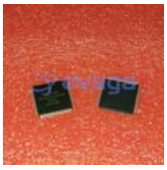
NXP Semiconductor

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