

Microcontrollers (MCU) 8BIT16KFLASH 2KRAM

Manufacturers	NXP Semiconductor
Package/Case	LQFP-48
Product Type	Embedded Processors & Controllers
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for MC9S08LL16CLF or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.



General Description

MC9S08LL16CLF is a microcontroller from the MC9S08LL16 series of the 8-bit S08 family of microcontrollers from NXP Semiconductors. It is designed for use in low-power and cost-sensitive applications, featuring low-power consumption and a wide range of integrated peripherals.

Features

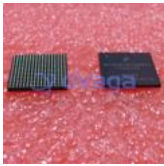
- 16 KB flash memory and 768 bytes of RAM
- 16 MHz bus frequency
- 20 GPIO pins
- 12-bit ADC with 16 channels
- Two 8-bit timer modules and one 16-bit timer module
- SPI, I2C, and UART interfaces
- Low-power modes for energy efficiency
- 3.0V to 5.5V operating voltage range

Application

- Automotive systems
- Industrial control systems
- Home appliances
- Security systems
- Medical devices
- Consumer electronics

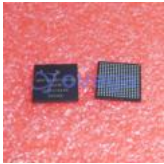


Related Products



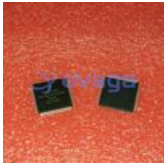
[MCIMX6Y2CVM08AA](#)

NXP Semiconductor
MAPBGA-289



[MCF5253CVM140](#)

NXP Semiconductor
BGA-225



[MCF52223CAF80](#)

NXP Semiconductor
100-LQFP



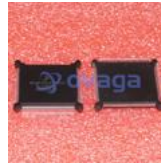
[MC9S12DG128MFUE](#)

NXP Semiconductor
QFP-80



[MC68302CEH20C](#)

NXP Semiconductor
PQFP-132



[MC68332ACEH20](#)

NXP Semiconductor
QFP132



[MC9S12DP512VPVE](#)

NXP Semiconductor
LQFP-112



[MC9S08GT8AMFBE](#)

NXP Semiconductor
QFP-44