

8 Bit MCU, QG Series, S08 Family S08QG Series Microcontrollers, 20 MHz, 8 KB, 512 Byte, 16 Pins

Manufacturers	<a href="#">NXP Semiconductor</a>
Package/Case	16PIN PDIP
Product Type	Embedded Processors & Controllers
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for MC9S08QG8CPBE or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

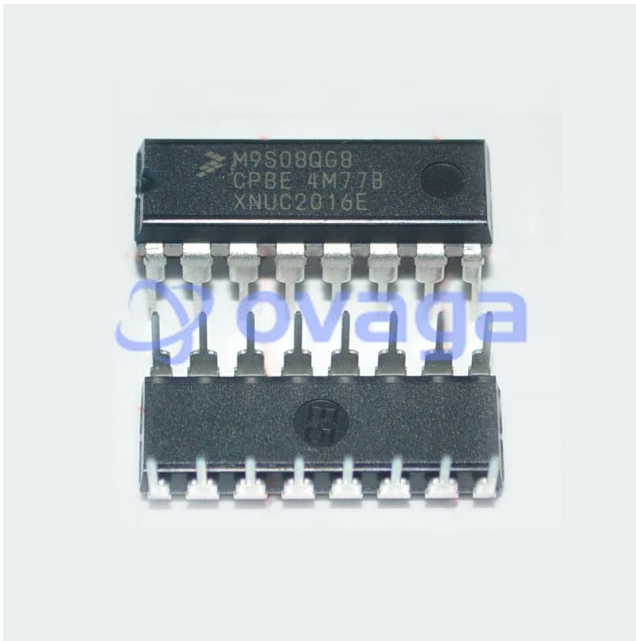
MC9S08QG8CPBE is a microcontroller unit (MCU) from the S08 family of 8-bit MCUs manufactured by NXP Semiconductors. It features an 8-bit HCS08 core with a maximum operating frequency of 20 MHz, 8 KB flash memory, 512 bytes of EEPROM, and 512 bytes of RAM. It also has a range of integrated peripherals, including 12-bit analog-to-digital converters (ADCs), timers, and serial communication interfaces.

## Features

- 8-bit HCS08 core
- Operating frequency of up to 20 MHz
- 8 KB flash memory, 512 bytes EEPROM, and 512 bytes RAM
- 12-bit ADCs and other integrated peripherals
- Low power consumption
- Small package size

## Application

- Industrial control systems
- Home automation systems
- Medical devices
- Consumer electronics
- Automotive electronics
- Internet of Things (IoT) devices



## Related Products



### [MCIMX6Y2CVM08AA](#)

NXP Semiconductor  
MAPBGA-289



### [MCF5253CVM140](#)

NXP Semiconductor  
BGA-225



### [MCF52223CAF80](#)

NXP Semiconductor  
100-LQFP



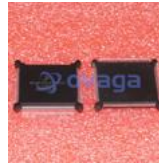
### [MC9S12DG128MFUE](#)

NXP Semiconductor  
QFP-80



### [MC68302CEH20C](#)

NXP Semiconductor  
PQFP-132



### [MC68332ACEH20](#)

NXP Semiconductor  
QFP132



### [MC9S12DP512VPVE](#)

NXP Semiconductor  
LQFP-112



### [MC9S08GT8AMFBE](#)

NXP Semiconductor  
QFP-44