

8 Bit MCU, General Purpose GT Series Series, S08 Family S08GT Series Microcontrollers, 40 MHz

Manufacturers	NXP Semiconductor
Package/Case	QFP-44
Product Type	Embedded Processors & Controllers
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for MC9S08GT16ACFBE or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

MC9S08GT16ACFBE is a microcontroller (MCU) from NXP Semiconductors, which belongs to the MC9S08GT series.

Features

It has a 8-bit S08 central processing unit (CPU) with a maximum frequency of 16 MHz.

It has 16 KB of flash memory, 1 KB of random-access memory (RAM), and 512 bytes of non-volatile memory (NVM).

It has a variety of on-chip peripherals, such as timers, analog-to-digital converters (ADCs), pulse-width modulation (PWM) modules, and universal asynchronous receiver/transmitter (UART) modules.

It operates with a supply voltage range of 2.7V to 5.5V.

It has a small form factor with a 20-pin shrink small-outline package (SSOP).

Application

Consumer electronics

Industrial automation and control systems

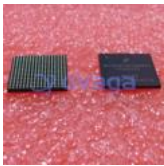
Smart energy meters

Security systems

Automotive applications



Related Products



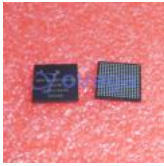
[MCIMX6Y2CVM08AA](#)

NXP Semiconductor
MAPBGA-289



[MC68302CEH20C](#)

NXP Semiconductor
PQFP-132



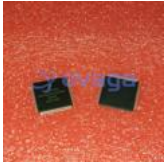
[MCF5253CVM140](#)

NXP Semiconductor
BGA-225



[MC68332ACEH20](#)

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QFP132



[MCF52223CAF80](#)

NXP Semiconductor
100-LQFP



[MC9S12DP512VPVE](#)

NXP Semiconductor
LQFP-112



[MC9S12DG128MFUE](#)

NXP Semiconductor
QFP-80



[MC9S08GT8AMFBE](#)

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QFP-44