

8 BIT 32K FLASH 4K RAM, Microcontrollers (MCU) 8 BIT 32K FLASH 4K RAM

Manufacturers	<a href="#">NXP Semiconductor</a>
Package/Case	QFP-44
Product Type	Embedded Processors & Controllers
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for MC9S08GT32ACFBE or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

MC9S08GT32ACFBE is a microcontroller from the S08 family of 8-bit microcontrollers manufactured by NXP Semiconductors. It is designed for embedded applications that require low power consumption, high performance, and a small footprint.

### Features

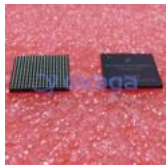
- 32 KB flash memory
- 2 KB RAM
- 24 MHz internal clock frequency
- 16-bit Timer/PWM (TPM) module
- 10-bit analog-to-digital converter (ADC)
- Multiple communication interfaces including UART, SPI, and I2C
- Low-power modes for energy-efficient operation
- Operating voltage range of 1.8V to 3.6V

### Application

- Industrial automation
- Motor control
- Consumer electronics
- Medical devices
- Security systems
- Home automation



## Related Products



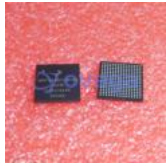
### [MCIMX6Y2CVM08AA](#)

NXP Semiconductor  
MAPBGA-289



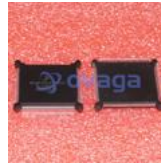
### [MC68302CEH20C](#)

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