



Image may be representation.  
See specifications for product details.



## MC9S08QE16CLC

Manufacturer Part Number	<b>MC9S08QE16CLC</b>
Manufacturer	<b>NXP Semiconductors</b>
Allelco Part Number	32D-MC9S08QE16CLC
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC MCU 8BIT 16KB FLASH 32LQFP
Package	32-LQFP
Data sheet	<b>MC9S08QE16,32 Series.pdf</b>
RoHs Status	ROHS3 Compliant

**Get a Quote**

MC9S08QE16CLC - NXP USA Inc..New Original in Stock. Download Linear Technology MC9S08QE16CLC datasheet/specifications on AllelcoElec.com.  
Request a quote for MC9S08QE16CLC, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

MC9S08QE16CLC Tech Specifications

MC9S08QE16CLC - NXP USA Inc. technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	NXP Semiconductors	Oscillator Type	Internal
Voltage - Supply (Vcc/Vdd)	1.8V ~ 3.6V	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package	32-LQFP (7x7)	Number of I/O	26
Speed	50MHz	Mounting Type	Surface Mount
Series	S08	EEPROM Size	-
RAM Size	1K x 8	Data Converters	A/D 10x12b
Program Memory Type	FLASH	Core Size	8-Bit
Program Memory Size	16KB (16K x 8)	Core Processor	S08
Peripherals	LVD, PWM, WDT	Connectivity	I <sup>2</sup> C, LINbus, SCI, SPI
Package / Case	32-LQFP	Base Product Number	MC9S08
Package	Tray		

### Parts with Similar Specifications

The three parts on the right have similar specifications to NXP USA Inc. MC9S08QE16CLC

Product Attribute				
Part Number	MC9S08QE16CLC	MC9S08QE32CLCR	MC9S08QD4MSC	MC9S08QD4MSCR
Manufacturer	NXP USA Inc.	Freescale Semiconductor	NXP USA Inc.	NXP USA Inc.
EEPROM Size	-	-	-	-
Core Size	8-Bit	8-Bit	8-Bit	8-Bit
Data Converters	A/D 10x12b	A/D 10x12b	A/D 4x10b	A/D 4x10b
Speed	50MHz	50MHz	16MHz	16MHz
Connectivity	I <sup>2</sup> C, LINbus, SCI, SPI	I <sup>2</sup> C, LINbus, SCI, SPI	-	-
Peripherals	LVD, PWM, WDT	LVD, PWM, WDT	LVD, POR, PWM, WDT	LVD, POR, PWM, WDT
Number of I/O	26	26	4	4
RAM Size	1K x 8	2K x 8	256 x 8	256 x 8
Oscillator Type	Internal	Internal	Internal	Internal
Voltage - Supply (Vcc/Vdd)	1.8V ~ 3.6V	1.8V ~ 3.6V	2.7V ~ 5.5V	2.7V ~ 5.5V
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Package	Tray	Bulk	Tube	Tape & Reel (TR)
Base Product Number	MC9S08	MC9S08	MC9S08	MC9S08
Core Processor	S08	S08	S08	S08
Package / Case	32-LQFP	32-LQFP	8-SOIC (0.154", 3.90mm Width)	8-SOIC (0.154", 3.90mm Width)
Program Memory Size	16KB (16K x 8)	32KB (32K x 8)	4KB (4K x 8)	4KB (4K x 8)
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 125°C (TA)	-40°C ~ 125°C (TA)
Series	S08	S08	S08	S08
Supplier Device Package	32-LQFP (7x7)	32-LQFP (7x7)	8-SOIC	8-SOIC
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount

### MC9S08QE16CLC Datasheet PDF

Download MC9S08QE16CLC pdf datasheets and NXP USA Inc. documentation for MC9S08QE16CLC - NXP USA Inc..

#### Datasheets

MC9S08QE16,32 Series.pdf

#### PCN Packaging

All Dev Label Update 15/Dec/2020.pdf

Mult Dev Pkg Seal 15/Dec/2020.pdf

## Environmental Information

 NXP USA Inc REACH.pdf

 NXP USA Inc RoHS Cert.pdf

## PCN Assembly/Origin

 2.73KHz.pdf

## PCN Design/Specification

 Cylindrical Battery Holders.pdf

## Customers Also Interested in

### Recommended Products



#### MC9S08QE32CLCR

Freescle Semiconductor  
IC MCU 8BIT 32KB FLASH 32LQFP



#### MC9S08QD4MSC

NXP USA Inc.  
IC MCU 8BIT 4KB FLASH 8SOIC



#### MC9S08QD4MSCR

NXP USA Inc.  
IC MCU 8BIT 4KB FLASH 8SOIC



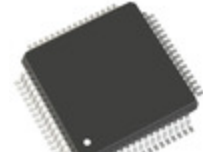
#### MC9S08QE4CTGR

Freescle Semiconductor  
IC MCU 8BIT 4KB FLASH 16TSSOP



#### MC9S08QE32CLCR

NXP USA Inc.  
IC MCU 8BIT 32KB FLASH 32LQFP



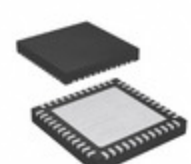
#### MC9S08QE128CLH

NXP USA Inc.  
IC MCU 8BIT 128KB FLASH 64LQFP



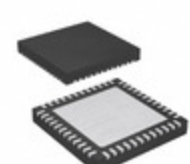
#### MC9S08QE4CTGR

NXP USA Inc.  
IC MCU 8BIT 4KB FLASH 16TSSOP



#### MC9S08QE128CFT

NXP USA Inc.  
IC MCU 8BIT 128KB FLASH 48QFN



#### MC9S08QE32CFT

NXP USA Inc.  
IC MCU 8BIT 32KB FLASH 48QFN



#### MC9S08QE16CWL

NXP USA Inc.  
IC MCU 8BIT 16KB FLASH 28SOIC



#### MC9S08QE64CLC

Freescle Semiconductor  
MICROCONTROLLER, 8-BIT,  
HC08/S08



#### MC9S08QE4CWL

NXP USA Inc.  
IC MCU 8BIT 4KB FLASH 28SOIC



#### MC9S08QD4MSCR

Freescle Semiconductor  
IC MCU 8BIT 4KB FLASH 8SOIC



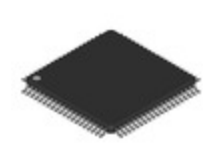
#### MC9S08QE4CLC

NXP USA Inc.  
IC MCU 8BIT 4KB FLASH 32LQFP



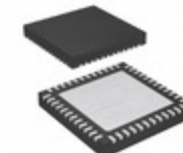
#### MC9S08QE32CLC

NXP USA Inc.  
IC MCU 8BIT 32KB FLASH 32LQFP



#### MC9S08QE128CLK

Freescle Semiconductor  
IC MCU 8BIT 128KB FLASH 80LQFP



#### MC9S08QE16CFT

NXP USA Inc.  
IC MCU 8BIT 16KB FLASH 48QFN



#### MC9S08QD4MSC

Freescle Semiconductor  
IC MCU 8BIT 4KB FLASH 8SOIC

## Shipment

### Delivery Time

In-stock items can be shipped within 24 hours. Some parts will be arranged for delivery within 1-2 days from the date all items arrive at our warehouse. And Alleco ships order once a day at about 17:00, except Sunday. Once the goods are shipped, the estimated delivery time depends on the shipping methods and Delivery destination. The table below shows are the logistic time for some common countries.

### Delivery Cost

> Use your express account for shipment if you have one.

> Use our account for the shipment. Refer to the table below for the approximate charges.

(Different time frame / countries / package size has different price.)

### Delivery Method

> Global Common Shipment by DHL / UPS / FedEx / TNT / EMS / SF we support.

> Others more shipping ways, please get in touch with your customer manager.

Common Countries Logistic Time Reference

Region	Country	Logistic Time(Day)
America	United States	5
	Brazil	7
Europe	Germany	5
	United Kingdom	4
	Italy	5
Oceania	Australia	6
	New Zealand	7
Asia	India	6
	Japan	7
Middle East	Israel	6

DHL & FedEx Shipment Charges Reference

Shipment charges(KG)	Reference DHL(USD\$)
0.00kg-1.00kg	USD\$60.00
1.00kg-2.00kg	USD\$70.00
2.00kg-3.00kg	USD\$80.00

Note: The above table is for reference only. There may have some data bias for the uncontrollable factors.

Contact us if you have any questions.

## Payment Support

The payment method can be chosen from the methods shown below:

Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



## Your Faithful Supply Chain Partner -



Efficient Supply Management



Cost-Saving Procurement



Fast Sourcing & Delivery

Contact us if you have any questions.



Phone

+00852 9146 4856



Email

info@alleco.com

## Certifications & Memberships



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