



Image may be representation.  
See specifications for product details.



## MC9S08AC16CFJE

Manufacturer Part Number **MC9S08AC16CFJE**

Manufacturer **NXP Semiconductors**

Allelco Part Number 32D-MC9S08AC16CFJE

ECAD Model Request Free CAD Models

Parts Description **IC MCU 8BIT 16KB FLASH 32LQFP**

Package **32-LQFP**

Data sheet **MC9S08AC(8,16), MC9S08AW(8,16).pdf**

**MC9S08AC16 Fact Sheet.pdf**

RoHs Status **ROHS3 Compliant**

**Get a Quote**

MC9S08AC16CFJE - NXP USA Inc..New Original in Stock. Download Linear Technology MC9S08AC16CFJE datasheet/specifications on AllelcoElec.com.  
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## Specifications

MC9S08AC16CFJE Tech Specifications

MC9S08AC16CFJE - 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)	2.7V ~ 5.5V	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package	32-LQFP (7x7)	Number of I/O	22
Speed	40MHz	Mounting Type	Surface Mount
Series	S08	EEPROM Size	-
RAM Size	1K x 8	Data Converters	A/D 6x10b
Program Memory Type	FLASH	Core Size	8-Bit
Program Memory Size	16KB (16K x 8)	Core Processor	S08
Peripherals	LVD, POR, PWM, WDT	Connectivity	I <sup>2</sup> C, 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. MC9S08AC16CFJE

Product Attribute				
Part Number	MC9S08AC16CFJE	MC9S08AC32CFUE	MC9S08AC32CFGER	MC9S08AC32CPUE
Manufacturer	NXP USA Inc.	Freescal Semiconductor	NXP USA Inc.	NXP USA Inc.
Core Processor	S08	S08	S08	S08
Base Product Number	MC9S08	MC9S08	MC9S08	MC9S08
Oscillator Type	Internal	Internal	Internal	Internal
Speed	40MHz	40MHz	40MHz	40MHz
Package / Case	32-LQFP	64-QFP	44-LQFP	64-LQFP
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Series	S08	S08	S08	S08
Connectivity	I <sup>2</sup> C, SCI, SPI	I <sup>2</sup> C, SCI, SPI	I <sup>2</sup> C, SCI, SPI	I <sup>2</sup> C, SCI, SPI
Program Memory Type	FLASH	FLASH	FLASH	FLASH
RAM Size	1K x 8	2K x 8	2K x 8	2K x 8
EEPROM Size	-	-	-	-
Supplier Device Package	32-LQFP (7x7)	64-QFP (14x14)	44-LQFP (10x10)	64-LQFP (10x10)
Number of I/O	22	54	34	54
Data Converters	A/D 6x10b	A/D 16x10b	A/D 8x10b	A/D 16x10b
Package	Tray	Bulk	Tape & Reel (TR)	Tray
Voltage - Supply (Vcc/Vdd)	2.7V ~ 5.5V	2.7V ~ 5.5V	2.7V ~ 5.5V	2.7V ~ 5.5V
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Peripherals	LVD, POR, PWM, WDT	LVD, POR, PWM, WDT	LVD, POR, PWM, WDT	LVD, POR, PWM, WDT
Core Size	8-Bit	8-Bit	8-Bit	8-Bit
Program Memory Size	16KB (16K x 8)	32KB (32K x 8)	32KB (32K x 8)	32KB (32K x 8)

## MC9S08AC16CFJE Datasheet PDF

Download MC9S08AC16CFJE pdf datasheets and NXP USA Inc. documentation for MC9S08AC16CFJE - NXP USA Inc..

### Datasheets



MC9S08AC(8,16), MC9S08AW(8,16).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






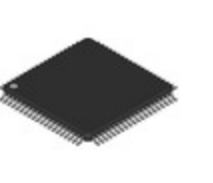












 2.73KHz.pdf

## HTML Datasheet

 MC9S08AC16 Fact Sheet.pdf

## Customers Also Interested in

### Recommended Products

					
<b>MC9S08AC32CFUE</b> Freescale Semiconductor IC MCU 8BIT 32KB FLASH 64QFP	<b>MC9S08AC32CFGER</b> NXP USA Inc. IC MCU 8BIT 32KB FLASH 44LQFP	<b>MC9S08AC128RCFGE</b> Freescale / NXP Semiconductors	<b>MC9S08AC32CPUE</b> NXP USA Inc. IC MCU 8BIT 32KB FLASH 64LQFP	<b>MC9S08AC16CFGE</b> NXP USA Inc. IC MCU 8BIT 16KB FLASH 44LQFP	<b>MC9S08AC128MLKE</b> Freescale Semiconductor IC MCU 8BIT 128KB FLASH 80LQFP
					
<b>MC9S08AC32CFJE</b> NXP USA Inc. IC MCU 8BIT 32KB FLASH 32LQFP	<b>MC9S08AC32CFUE</b> NXP USA Inc. IC MCU 8BIT 32KB FLASH 64QFP	<b>MC9S08AC128MLKE</b> NXP USA Inc. IC MCU 8BIT 128KB FLASH 80LQFP	<b>MC9S08AC16MFGE</b> Freescale Semiconductor IC MCU 8BIT 16KB FLASH 44LQFP	<b>MC9S08AC32CFGE</b> Freescale Semiconductor IC MCU 8BIT 32KB FLASH 44LQFP	<b>MC9S08AC32CFGE</b> NXP USA Inc. IC MCU 8BIT 32KB FLASH 44LQFP
					
<b>MC9S08AC32CFJE</b> Freescale Semiconductor IC MCU 8BIT 32KB FLASH 32LQFP	<b>MC9S08AC128CLKE</b> NXP USA Inc. IC MCU 8BIT 128KB FLASH 80LQFP	<b>MC9S08AC128MFUE</b> Freescale Semiconductor IC MCU 8BIT 128KB FLASH 64QFP	<b>MC9S08AC128CFUE</b> Freescale Semiconductor IC MCU 8BIT 128KB FLASH 64QFP	<b>MC9S08AC16MFGE</b> NXP USA Inc. IC MCU 8BIT 16KB FLASH 44LQFP	<b>MC9S08AC128MFUE</b> NXP USA Inc. IC MCU 8BIT 128KB FLASH 64QFP

## 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.

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info@alleco.com

### Certifications & Memberships



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