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See specifications for product details.



## MC9S08DZ16ACLF

Manufacturer Part Number	<b>MC9S08DZ16ACLF</b>
Manufacturer	<b>NXP Semiconductors</b>
Allelco Part Number	32D-MC9S08DZ16ACLF
ECAD Model	Request Free CAD Models
Parts Description	IC MCU 8BIT 16KB FLASH 48LQFP
Package	48-LQFP
Data sheet	<b>MC9S08DZxxA.pdf</b>
	<b>MC9S08DZ60,48,32,16.pdf</b>
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

MC9S08DZ16ACLF - NXP USA Inc..New Original in Stock. Download Linear Technology MC9S08DZ16ACLF datasheet/specifications on AllelcoElec.com.  
Request a quote for MC9S08DZ16ACLF, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

MC9S08DZ16ACLF Tech Specifications

MC9S08DZ16ACLF - NXP USA Inc. technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	NXP Semiconductors	Oscillator Type	External
Voltage - Supply (Vcc/Vdd)	2.7V ~ 5.5V	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package	48-LQFP (7x7)	Number of I/O	39
Speed	40MHz	Mounting Type	Surface Mount
Series	S08	EEPROM Size	512 x 8
RAM Size	1K x 8	Data Converters	A/D 16x12b
Program Memory Type	FLASH	Core Size	8-Bit
Program Memory Size	16KB (16K x 8)	Core Processor	S08
Peripherals	LVD, POR, PWM, WDT	Connectivity	CANbus, I <sup>2</sup> C, LINbus, SCI, SPI
Package / Case	48-LQFP	Base Product Number	MC9S08
Package	Tray		

### Parts with Similar Specifications

The three parts on the right have similar specifications to NXP USA Inc. MC9S08DZ16ACLF

Product Attribute				
Part Number	MC9S08DZ16ACLF	<b>MC9S08DZ16ACLC</b>	<b>MC9S08DZ32ACLC</b>	<b>MC9S08DV60AMLH</b>
Manufacturer	NXP USA Inc.	NXP USA Inc.	NXP USA Inc.	NXP USA Inc.
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 125°C (TA)
Program Memory Size	16KB (16K x 8)	16KB (16K x 8)	32KB (32K x 8)	60KB (60K x 8)
Peripherals	LVD, POR, PWM, WDT	LVD, POR, PWM, WDT	LVD, POR, PWM, WDT	LVD, POR, PWM, WDT
Base Product Number	MC9S08	MC9S08	MC9S08	MC9S08
Oscillator Type	External	External	External	External
Speed	40MHz	40MHz	40MHz	40MHz
Package / Case	48-LQFP	32-LQFP	32-LQFP	64-LQFP
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
EEPROM Size	512 x 8	512 x 8	1K x 8	-
Data Converters	A/D 16x12b	A/D 10x12b	A/D 10x12b	A/D 16x12b
Supplier Device Package	48-LQFP (7x7)	32-LQFP (7x7)	32-LQFP (7x7)	64-LQFP (10x10)
Core Processor	S08	S08	S08	S08
RAM Size	1K x 8	1K x 8	2K x 8	3K x 8
Voltage - Supply (Vcc/Vdd)	2.7V ~ 5.5V	2.7V ~ 5.5V	2.7V ~ 5.5V	2.7V ~ 5.5V
Number of I/O	39	25	25	53
Package	Tray	Tray	Tray	Tray
Series	S08	S08	S08	S08
Connectivity	CANbus, I <sup>2</sup> C, LINbus, SCI, SPI	CANbus, I <sup>2</sup> C, LINbus, SCI, SPI	CANbus, I <sup>2</sup> C, LINbus, SCI, SPI	CANbus, I <sup>2</sup> C, LINbus, SCI, SPI
Core Size	8-Bit	8-Bit	8-Bit	8-Bit

### MC9S08DZ16ACLF Datasheet PDF

Download MC9S08DZ16ACLF pdf datasheets and NXP USA Inc. documentation for MC9S08DZ16ACLF - NXP USA Inc..

#### 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

 MC9S08DZxxA.pdf

 MC9S08DZ60,48,32,16.pdf

## Customers Also Interested in

### Recommended Products



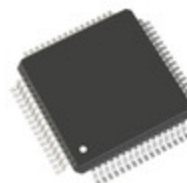
#### MC9S08DZ16ACLC

NXP USA Inc.  
IC MCU 8BIT 16KB FLASH 32LQFP



#### MC9S08DZ32ACLC

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



#### MC9S08DV60AMLH

NXP USA Inc.  
IC MCU 8BIT 60KB FLASH 64LQFP



#### MC9S08DZ16MLC

NXP USA Inc.  
IC MCU 8BIT 16KB FLASH 32LQFP



#### MC9S08DZ32ACLH

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



#### MC9S08DZ32ACLF

Freescale Semiconductor  
IC MCU 8BIT 32KB FLASH 48LQFP



#### MC9S08DZ16AMLC

NXP USA Inc.  
IC MCU 8BIT 16KB FLASH 32LQFP



#### MC9S08DZ128MLL

NXP USA Inc.  
IC MCU 8BIT 128KB FLASH 100LQFP



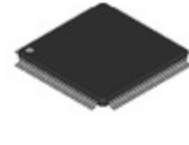
#### MC9S08DZ128CLF

Freescale Semiconductor  
IC MCU 8BIT 128KB FLASH 48LQFP



#### MC9S08DZ128CLL

NXP USA Inc.  
IC MCU 8BIT 128KB FLASH 100LQFP



#### MC9S08DZ128CLL

Freescale Semiconductor  
IC MCU 8BIT 128KB FLASH 100LQFP



#### MC9S08DZ16CLC

NXP USA Inc.  
IC MCU 8BIT 16KB FLASH 32LQFP



#### MC9S08DZ32AMLC

Freescale Semiconductor  
IC MCU 8BIT 32KB FLASH 32LQFP



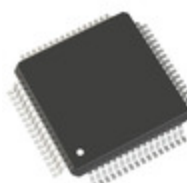
#### MC9S08DZ128CLF

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



#### MC9S08DZ16AMLC

Freescale Semiconductor  
IC MCU 8BIT 16KB FLASH 32LQFP



#### MC9S08DZ128CLH

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



#### MC9S08DV60AMLC

Freescale Semiconductor  
IC MCU 8BIT 60KB FLASH 32LQFP



#### MC9S08DV60AMLH

Freescale Semiconductor  
IC MCU 8BIT 60KB FLASH 64LQFP

## 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 Allelco 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@allelco.com

## Certifications & Memberships



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