

Image may be representation.
See specifications for product details.



MC9S08AW16CFDE

Manufacturer Part Number	MC9S08AW16CFDE
Manufacturer	NXP Semiconductors
Allelco Part Number	32D-MC9S08AW16CFDE
ECAD Model	Request Free CAD Models
Parts Description	IC MCU 8BIT 16KB FLASH 48QFN
Package	48-VFQFN Exposed Pad
Data sheet	MC9S08AW60/48/32/16.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

MC9S08AW16CFDE - NXP USA Inc..New Original in Stock. Download Linear Technology MC9S08AW16CFDE datasheet/specifications on AllelcoElec.com.
Request a quote for MC9S08AW16CFDE, please send us email: info@allelco.com

Specifications

MC9S08AW16CFDE Tech Specifications

MC9S08AW16CFDE - 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	48-QFN-EP (7x7)	Number of I/O	38
Speed	40MHz	Mounting Type	Surface Mount
Series	S08	EEPROM Size	-
RAM Size	1K x 8	Data Converters	A/D 8x10b
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 ² C, SCI, SPI
Package / Case	48-VFQFN Exposed Pad	Base Product Number	MC9S08
Package	Tray		

Parts with Similar Specifications

The three parts on the right have similar specifications to NXP USA Inc. MC9S08AW16CFDE

Product Attribute				
Part Number	MC9S08AW16CFDE	MC9S08AW16CFUE	MC9S08AC96CLKE	MC9S08AC8MEJE
Manufacturer	NXP USA Inc.	NXP USA Inc.	NXP USA Inc.	Freescale Semiconductor
Package / Case	48-VFQFN Exposed Pad	64-QFP	80-LQFP	32-LQFP
Number of I/O	38	54	69	22
EEPROM Size	-	-	-	-
Connectivity	I ² C, SCI, SPI	I ² C, SCI, SPI	I ² C, LINbus, SCI, SPI	I ² C, SCI, SPI
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Speed	40MHz	40MHz	40MHz	40MHz
Voltage - Supply (Vcc/Vdd)	2.7V ~ 5.5V	2.7V ~ 5.5V	2.7V ~ 5.5V	2.7V ~ 5.5V
Package	Tray	Tray	Tray	Bulk
Core Processor	S08	S08	S08	S08
RAM Size	1K x 8	1K x 8	6K x 8	768 x 8
Program Memory Size	16KB (16K x 8)	16KB (16K x 8)	96KB (96K x 8)	8KB (8K x 8)
Peripherals	LVD, POR, PWM, WDT	LVD, POR, PWM, WDT	LVD, POR, PWM, WDT	LVD, POR, PWM, WDT
Data Converters	A/D 8x10b	A/D 16x10b	A/D 16x10b	A/D 6x10b
Base Product Number	MC9S08	MC9S08	MC9S08	MC9S08
Supplier Device Package	48-QFN-EP (7x7)	64-QFP (14x14)	80-LQFP (14x14)	32-LQFP (7x7)
Series	S08	S08	S08	S08
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 125°C (TA)
Oscillator Type	Internal	Internal	Internal	Internal
Core Size	8-Bit	8-Bit	8-Bit	8-Bit
Program Memory Type	FLASH	FLASH	FLASH	FLASH

MC9S08AW16CFDE Datasheet PDF

Download MC9S08AW16CFDE pdf datasheets and NXP USA Inc. documentation for MC9S08AW16CFDE - NXP USA Inc..

Datasheets

[MC9S08AW60/48/32/16.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



Mult Dev Site Chgs 18/Dec/2020.pdf

Customers Also Interested in

Recommended Products



MC9S08AW16CFUE

NXP USA Inc.
IC MCU 8BIT 16KB FLASH 64QFP



MC9S08AC96CLKE

NXP USA Inc.
IC MCU 8BIT 96KB FLASH 80LQFP



MC9S08AC8MFJE

Freescal Semiconductor
IC MCU 8BIT 8KB FLASH 32LQFP



MC9S08AC96CFGE

NXP USA Inc.
IC MCU 8BIT 96KB FLASH 44LQFP



MC9S08AC8MFJE

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



MC9S08AW16MFUE

Freescal Semiconductor
IC MCU 8BIT 16KB FLASH 64QFP



MC9S08AW16CPUE

Freescal Semiconductor
IC MCU 8BIT 16KB FLASH 64LQFP



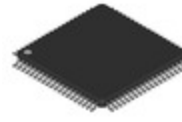
MC9S08AW16CFGER

NXP USA Inc.
IC MCU 8BIT 16KB FLASH 44LQFP



MC9S08AW16CPUE

NXP USA Inc.
IC MCU 8BIT 16KB FLASH 64LQFP



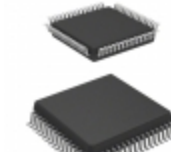
MC9S08AC96CLKE

Freescal Semiconductor
IC MCU 8BIT 96KB FLASH 80LQFP



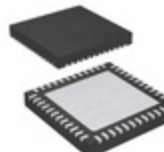
MC9S08AC96CFUE

Freescal Semiconductor
IC MCU 8BIT 96KB FLASH 64QFP



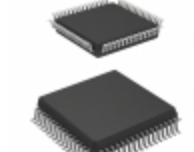
MC9S08AW16MFUE

NXP USA Inc.
IC MCU 8BIT 16KB FLASH 64QFP



MC9S08AW32CFDE

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



MC9S08AC96CFUE

NXP USA Inc.
IC MCU 8BIT 96KB FLASH 64QFP



MC9S08AC8CFJE

Freescal Semiconductor
IC MCU 8BIT 8KB FLASH 32LQFP



MC9S08AW16MFGE

Freescal Semiconductor
MC9S08AW - Microcontroller, 8-Bi



MC9S08AW16MFGE

NXP USA Inc.
IC MCU 8BIT 16KB FLASH 44LQFP



MC9S08AC8CFJE

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

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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