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See specifications for product details.



MC9S08AW16CFGER

Manufacturer Part Number	MC9S08AW16CFGER
Manufacturer	NXP Semiconductors
Allelco Part Number	32D-MC9S08AW16CFGER
ECAD Model	Request Free CAD Models
Parts Description	IC MCU 8BIT 16KB FLASH 44LQFP
Package	44-LQFP
Data sheet	MC9S08AW60/48/32/16.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

MC9S08AW16CFGER - NXP USA Inc..New Original in Stock. Download Linear Technology MC9S08AW16CFGER datasheet/specifications on AllelcoElec.com.
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Specifications

MC9S08AW16CFGER Tech Specifications
MC9S08AW16CFGER - 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	44-LQFP (10x10)	Number of I/O	34
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	44-LQFP	Base Product Number	MC9S08
Package	Tape & Reel (TR)		

Parts with Similar Specifications

The three parts on the right have similar specifications to NXP USA Inc. MC9S08AW16CFGER

Product Attribute				
Part Number	MC9S08AW16CFGER	MC9S08AW16MFUE	MC9S08AC8MFJE	MC9S08AC96CFUE
Manufacturer	NXP USA Inc.	NXP USA Inc.	NXP USA Inc.	Freescale Semiconductor
Series	S08	S08	S08	S08
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Supplier Device Package	44-LQFP (10x10)	64-QFP (14x14)	32-LQFP (7x7)	64-QFP (14x14)
Speed	40MHz	40MHz	40MHz	40MHz
Number of I/O	34	54	22	54
Package / Case	44-LQFP	64-QFP	32-LQFP	64-QFP
RAM Size	1K x 8	1K x 8	768 x 8	6K x 8
Base Product Number	MC9S08	MC9S08	MC9S08	MC9S08
Voltage - Supply (Vcc/Vdd)	2.7V ~ 5.5V	2.7V ~ 5.5V	2.7V ~ 5.5V	2.7V ~ 5.5V
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 125°C (TA)	-40°C ~ 125°C (TA)	-40°C ~ 85°C (TA)
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Oscillator Type	Internal	Internal	Internal	Internal
Package	Tape & Reel (TR)	Tray	Tray	Bulk
Program Memory Size	16KB (16K x 8)	16KB (16K x 8)	8KB (8K x 8)	96KB (96K x 8)
EEPROM Size	-	-	-	-
Core Size	8-Bit	8-Bit	8-Bit	8-Bit
Peripherals	LVD, POR, PWM, WDT	LVD, POR, PWM, WDT	LVD, POR, PWM, WDT	LVD, POR, PWM, WDT
Connectivity	I ² C, SCI, SPI	I ² C, SCI, SPI	I ² C, SCI, SPI	I ² C, LINbus, SCI, SPI
Data Converters	A/D 8x10b	A/D 16x10b	A/D 6x10b	A/D 16x10b
Core Processor	S08	S08	S08	S08

MC9S08AW16CFGER Datasheet PDF

Download MC9S08AW16CFGER pdf datasheets and NXP USA Inc. documentation for MC9S08AW16CFGER - 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

PCN Design/Specification

 MC9S08AWXX 24/May/2018.pdf

Customers Also Interested in

Recommended Products



MC9S08AW16MFUE
NXP USA Inc.
IC MCU 8BIT 16KB FLASH 64QFP



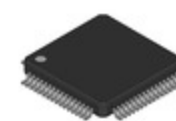
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NXP USA Inc.
IC MCU 8BIT 8KB FLASH 32LQFP



MC9S08AC96CFUE
Freescale Semiconductor
IC MCU 8BIT 96KB FLASH 64QFP



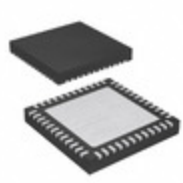
MC9S08AW16MFGE
Freescale Semiconductor
MC9S08AW - Microcontroller, 8-Bi



MC9S08AW16CPUE
Freescale Semiconductor
IC MCU 8BIT 16KB FLASH 64LQFP



MC9S08AC8MFJE
Freescale Semiconductor
IC MCU 8BIT 8KB FLASH 32LQFP



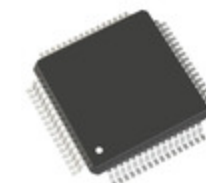
MC9S08AW32CFDE
NXP USA Inc.
IC MCU 8BIT 32KB FLASH 48QFN



MC9S08AC96CFGE
NXP USA Inc.
IC MCU 8BIT 96KB FLASH 44LQFP



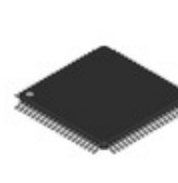
MC9S08AW32CFGE
NXP USA Inc.
IC MCU 8BIT 32KB FLASH 44LQFP



MC9S08AW16CPUE
NXP USA Inc.
IC MCU 8BIT 16KB FLASH 64LQFP



MC9S08AC96CFUE
NXP USA Inc.
IC MCU 8BIT 96KB FLASH 64QFP



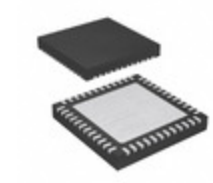
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Freescale Semiconductor
IC MCU 8BIT 96KB FLASH 80LQFP



MC9S08AW16MFUE
Freescale Semiconductor
IC MCU 8BIT 16KB FLASH 64QFP



MC9S08AW16MFGE
NXP USA Inc.
IC MCU 8BIT 16KB FLASH 44LQFP



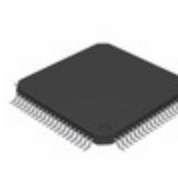
MC9S08AW16CFDE
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MC9S08AW16CFUE
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MC9S08AW16CFGE
NXP USA Inc.
IC MCU 8BIT 16KB FLASH 44LQFP



MC9S08AC96CLKE
NXP USA Inc.
IC MCU 8BIT 96KB FLASH 80LQFP

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
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 Email
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Certifications & Memberships



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