



Image may be representation.
See specifications for product details.



MC9S08SH16CWL

Manufacturer Part Number	MC9S08SH16CWL
Manufacturer	NXP Semiconductors
Allelco Part Number	32D-MC9S08SH16CWL
ECAD Model	Request Free CAD Models
Parts Description	IC MCU 8BIT 16KB FLASH 28SOIC
Package	28-SOIC (0.295", 7.50mm Width)
Data sheet	MC9S08SH16, 32.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

MC9S08SH16CWL - NXP USA Inc..New Original in Stock. Download Linear Technology MC9S08SH16CWL datasheet/specifications on AllelcoElec.com.
Request a quote for MC9S08SH16CWL, please send us email: info@allelco.com

Specifications

MC9S08SH16CWL Tech Specifications

MC9S08SH16CWL - 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	28-SOIC	Number of I/O	23
Speed	40MHz	Mounting Type	Surface Mount
Series	S08	EEPROM Size	-
RAM Size	1K x 8	Data Converters	A/D 16x10b
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, LINbus, SCI, SPI
Package / Case	28-SOIC (0.295", 7.50mm Width)	Base Product Number	MC9S08
Package	Tube		

Parts with Similar Specifications

The three parts on the right have similar specifications to NXP USA Inc. MC9S08SH16CWL

Product Attribute				
Part Number	MC9S08SH16CWL	MC9S08SH16MTL	MC9S08SH16CTLR	MC9S08SH16CTGR
Manufacturer	NXP USA Inc.	Freescale Semiconductor	Freescale Semiconductor	NXP USA Inc.
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Core Size	8-Bit	8-Bit	8-Bit	8-Bit
Supplier Device Package	28-SOIC	28-TSSOP	28-TSSOP	16-TSSOP
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Core Processor	S08	S08	S08	S08
Number of I/O	23	23	23	13
Speed	40MHz	40MHz	40MHz	40MHz
Oscillator Type	Internal	Internal	Internal	Internal
EEPROM Size	-	-	-	-
Connectivity	I ² C, LINbus, SCI, SPI	I ² C, LINbus, SCI, SPI	I ² C, LINbus, SCI, SPI	I ² C, LINbus, SCI, SPI
Program Memory Size	16KB (16K x 8)	16KB (16K x 8)	16KB (16K x 8)	16KB (16K x 8)
Peripherals	LVD, POR, PWM, WDT	LVD, POR, PWM, WDT	LVD, POR, PWM, WDT	LVD, POR, PWM, WDT
Package	Tube	Bulk	Bulk	Tape & Reel (TR)
Voltage - Supply (Vcc/Vdd)	2.7V ~ 5.5V	2.7V ~ 5.5V	2.7V ~ 5.5V	2.7V ~ 5.5V
Package / Case	28-SOIC (0.295", 7.50mm Width)	28-TSSOP (0.173", 4.40mm Width)	28-TSSOP (0.173", 4.40mm Width)	16-TSSOP (0.173", 4.40mm Width)
Series	S08	S08	S08	S08
RAM Size	1K x 8	1K x 8	1K x 8	1K x 8
Data Converters	A/D 16x10b	A/D 16x10b	A/D 16x10b	A/D 8x10b
Base Product Number	MC9S08	MC9S08	MC9S08	MC9S08
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 125°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)

MC9S08SH16CWL Datasheet PDF

Download MC9S08SH16CWL pdf datasheets and NXP USA Inc. documentation for MC9S08SH16CWL - NXP USA Inc..

Datasheets


[MC9S08SH16, 32.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

Customers Also Interested in

Recommended Products

					
MC9S08SH16MTL Freescale Semiconductor IC MCU 8BIT 16KB FLASH 28TSSOP	MC9S08SH16CTLR Freescale Semiconductor IC MCU 8BIT 16KB FLASH 28TSSOP	MC9S08SH16CTGR NXP USA Inc. IC MCU 8BIT 16KB FLASH 16TSSOP	MC9S08SH16MTL NXP USA Inc. IC MCU 8BIT 16KB FLASH 28TSSOP	MC9S08SH16CTL NXP USA Inc. IC MCU 8BIT 16KB FLASH 28TSSOP	MC9S08SH32CTG Freescale Semiconductor IC MCU 8BIT 32KB FLASH 16TSSOP
					
MC9S08SH32CTG NXP USA Inc. IC MCU 8BIT 32KB FLASH 16TSSOP	MC9S08SH16CTG NXP USA Inc. IC MCU 8BIT 16KB FLASH 16TSSOP	MC9S08SH16CTJR NXP USA Inc. IC MCU 8BIT 16KB FLASH 20TSSOP	MC9S08SH16CTG Freescale Semiconductor IC MCU 8BIT 16KB FLASH 16TSSOP	MC9S08SH16CTLR NXP USA Inc. IC MCU 8BIT 16KB FLASH 28TSSOP	MC9S08SH32CTJ NXP USA Inc. IC MCU 8BIT 32KB FLASH 20TSSOP
					
MC9S08SH16MTJR Freescale Semiconductor IC MCU 8BIT 16KB FLASH 20TSSOP	MC9S08SG32SMTJ Freescale / NXP Semiconductors	MC9S08SH16MTJR NXP USA Inc. IC MCU 8BIT 16KB FLASH 20TSSOP	MC9S08SH32CTGR NXP USA Inc. IC MCU 8BIT 32KB FLASH 16TSSOP	MC9S08SH32CTJ Freescale Semiconductor IC MCU 8BIT 32KB FLASH 20TSSOP	MC9S08SH16CTJ NXP USA Inc. IC MCU 8BIT 16KB FLASH 20TSSOP

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.

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Certifications & Memberships



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