



Image may be representation.
See specifications for product details.



MC9S08QE8CWL

Manufacturer Part Number	MC9S08QE8CWL
Manufacturer	NXP Semiconductors
Allelco Part Number	32D-MC9S08QE8CWL
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IC MCU 8BIT 8KB FLASH 28SOIC
Package	28-SOIC (0.295", 7.50mm Width)
Data sheet	MC9S08QE8 Datasheet.pdf MC9S08QE4,8 Fact Sheet.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

MC9S08QE8CWL - NXP USA Inc..New Original in Stock. Download Linear Technology MC9S08QE8CWL datasheet/specifications on AllelcoElec.com.
Request a quote for MC9S08QE8CWL, please send us email: info@allelco.com

Specifications

MC9S08QE8CWL Tech Specifications

MC9S08QE8CWL - 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)	1.8V ~ 3.6V	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package	28-SOIC	Number of I/O	22
Speed	20MHz	Mounting Type	Surface Mount
Series	S08	EEPROM Size	-
RAM Size	512 x 8	Data Converters	A/D 10x12b
Program Memory Type	FLASH	Core Size	8-Bit
Program Memory Size	8KB (8K x 8)	Core Processor	S08
Peripherals	LVD, 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. MC9S08QE8CWL

Product Attribute				
Part Number	MC9S08QE8CWL	MC9S08QE8CCLC	MC9S08QG4CDTER	MC9S08QG4CFKE
Manufacturer	NXP USA Inc.	Freemove Semiconductor	NXP USA Inc.	NXP USA Inc.
Series	S08	S08	S08	S08
Supplier Device Package	28-SOIC	32-LQFP (7x7)	16-TSSOP	24-QFN-EP (4x4)
Base Product Number	MC9S08	MC9S08	MC9S08	MC9S08
Core Size	8-Bit	8-Bit	8-Bit	8-Bit
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
EEPROM Size	-	-	-	-
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Core Processor	S08	S08	S08	S08
Oscillator Type	Internal	Internal	Internal	Internal
Connectivity	I ² C, LINbus, SCI, SPI	I ² C, LINbus, SCI, SPI	I ² C, SCI, SPI	I ² C, SCI, SPI
Peripherals	LVD, PWM, WDT	LVD, PWM, WDT	LVD, POR, PWM, WDT	LVD, POR, PWM, WDT
Package	Tube	Bulk	Tape & Reel (TR)	Tray
RAM Size	512 x 8	512 x 8	256 x 8	256 x 8
Voltage - Supply (Vcc/Vdd)	1.8V ~ 3.6V	1.8V ~ 3.6V	1.8V ~ 3.6V	1.8V ~ 3.6V
Number of I/O	22	26	12	12
Program Memory Size	8KB (8K x 8)	8KB (8K x 8)	4KB (4K x 8)	4KB (4K x 8)
Data Converters	A/D 10x12b	A/D 10x12b	A/D 8x10b	A/D 8x10b
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Speed	20MHz	20MHz	20MHz	20MHz
Package / Case	28-SOIC (0.295", 7.50mm Width)	32-LQFP	16-TSSOP (0.173", 4.40mm Width)	24-VFQFN Exposed Pad

MC9S08QE8CWL Datasheet PDF

Download MC9S08QE8CWL pdf datasheets and NXP USA Inc. documentation for MC9S08QE8CWL - 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

 MC9S08QE8 Datasheet.pdf

 MC9S08QE4,8 Fact Sheet.pdf

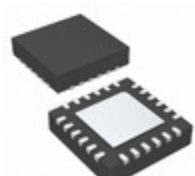
Customers Also Interested in

Recommended Products



MC9S08QE8CLC

Freescle Semiconductor
IC MCU 8BIT 8KB FLASH 32LQFP



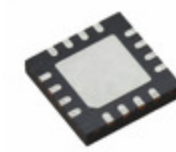
MC9S08QG4CFKE

NXP USA Inc.
IC MCU 8BIT 4KB FLASH 24QFN



MC9S08QG4CDTER

Nexperia USA Inc.
IC MCU 8BIT 4KB FLASH 16TSSOP



MC9S08QG4CFFER

NXP USA Inc.
IC MCU 8BIT 4KB FLASH 16QFN



MC9S08QG4CPAE

NXP USA Inc.
IC MCU 8BIT 4KB FLASH 8DIP



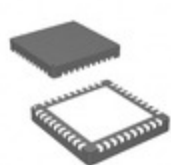
MC9S08QE64CLC

Freescle Semiconductor
MICROCONTROLLER, 8-BIT,
HC08/S08



MC9S08QE8CLC

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



MC9S08QE8CFM

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



MC9S08QE4CWL

NXP USA Inc.
IC MCU 8BIT 4KB FLASH 28SOIC



MC9S08QE8CTG

NXP USA Inc.
IC MCU 8BIT 8KB FLASH 16TSSOP



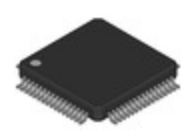
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NXP USA Inc.
IC MCU 8BIT 8KB FLASH 20SOIC



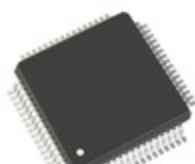
MC9S08QE64CLC

NXP USA Inc.
IC MCU 8BIT 64KB FLASH 32LQFP



MC9S08QE64CLH

Freescle Semiconductor
IC MCU 8BIT 64KB FLASH 64LQFP



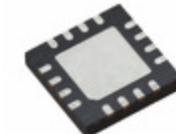
MC9S08QE64CLH

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



MC9S08QG4CFKE

Freescle Semiconductor
IC MCU 8BIT 4KB FLASH 24QFN



MC9S08QG4CFFE

NXP USA Inc.
IC MCU 8BIT 4KB FLASH 16QFN



MC9S08QG4CDTE

NXP USA Inc.
IC MCU 8BIT 4KB FLASH 16TSSOP

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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