

Image may be representation.  
See specifications for product details.



## MCHC908QT4CDWE

Manufacturer Part Number	<b>MCHC908QT4CDWE</b>
Manufacturer	<b>NXP Semiconductors</b>
Allelco Part Number	32D-MCHC908QT4CDWE
ECAD Model	Request Free CAD Models
Parts Description	IC MCU 8BIT 4KB FLASH 8SO
Package	8-SOIC (0.209", 5.30mm Width)
Data sheet	<b>MC68HC908(QT,QY)1,2,4.pdf</b>
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

MCHC908QT4CDWE - NXP USA Inc..New Original in Stock. Download Linear Technology MCHC908QT4CDWE datasheet/specifications on AllelcoElec.com.  
Request a quote for MCHC908QT4CDWE, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

MCHC908QT4CDWE Tech Specifications  
MCHC908QT4CDWE - 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	8-SO	Number of I/O	5
Speed	8MHz	Mounting Type	Surface Mount
Series	HC08	EEPROM Size	-
RAM Size	128 x 8	Data Converters	A/D 4x8b
Program Memory Type	FLASH	Core Size	8-Bit
Program Memory Size	4KB (4K x 8)	Core Processor	HC08
Peripherals	LVD, POR, PWM	Connectivity	-
Package / Case	8-SOIC (0.209", 5.30mm Width)	Base Product Number	MCHC908
Package	Tube		

### Parts with Similar Specifications

The three parts on the right have similar specifications to NXP USA Inc. MCHC908QT4CDWE

Product Attribute				
Part Number	MCHC908QT4CDWE	<b>MCHC908QT1CDWE</b>	<b>MCHC908QY1CDWE</b>	<b>MCHC908QY2CDWE</b>
Manufacturer	NXP USA Inc.	NXP USA Inc.	NXP USA Inc.	NXP USA Inc.
Number of I/O	5	5	13	13
RAM Size	128 x 8	128 x 8	128 x 8	128 x 8
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Series	HC08	HC08	HC08	HC08
Supplier Device Package	8-SO	8-SO	16-SOIC	16-SOIC
EEPROM Size	-	-	-	-
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Peripherals	LVD, POR, PWM	LVD, POR, PWM	LVD, POR, PWM	LVD, POR, PWM
Oscillator Type	Internal	Internal	Internal	Internal
Package	Tube	Tube	Tube	Tube
Package / Case	8-SOIC (0.209", 5.30mm Width)	8-SOIC (0.209", 5.30mm Width)	16-SOIC (0.295", 7.50mm Width)	16-SOIC (0.295", 7.50mm Width)
Core Processor	HC08	HC08	HC08	HC08
Base Product Number	MCHC908	MCHC908	MCHC908	MCHC908
Voltage - Supply (Vcc/Vdd)	2.7V ~ 5.5V	2.7V ~ 5.5V	2.7V ~ 5.5V	2.7V ~ 5.5V
Core Size	8-Bit	8-Bit	8-Bit	8-Bit
Program Memory Size	4KB (4K x 8)	1.5KB (1.5K x 8)	1.5KB (1.5K x 8)	1.5KB (1.5K x 8)
Data Converters	A/D 4x8b	-	-	A/D 4x8b
Speed	8MHz	8MHz	8MHz	8MHz
Connectivity	-	-	-	-
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount

### MCHC908QT4CDWE Datasheet PDF

Download MCHC908QT4CDWE pdf datasheets and NXP USA Inc. documentation for MCHC908QT4CDWE - NXP USA Inc..

#### Datasheets

[MC68HC908\(QT,QY\)1,2,4.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 Obsolescence/ EOL

 MC908QTx/MCHC908QTx obs 29/May/2022.pdf

## Customers Also Interested in

### Recommended Products



**MCHC908QT1CDWE**  
NXP USA Inc.  
IC MCU 8BIT 1.5KB FLASH 8SO



**MCHC908QY1CDWE**  
NXP USA Inc.  
IC MCU 8BIT 1.5KB FLASH 16SOIC



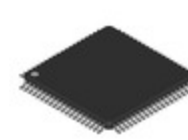
**MCHC908QY2CDWE**  
NXP USA Inc.  
IC MCU 8BIT 1.5KB FLASH 16SOIC



**MCHC908QT4VDWER**  
NXP USA Inc.  
IC MCU 8BIT 4KB FLASH 8SO



**MCHC908QT1CDWER**  
NXP USA Inc.  
IC MCU 8BIT 1.5KB FLASH 8SO



**MCHC908LK24CFQE**  
Freescale Semiconductor  
IC MCU 8BIT 24KB FLASH 80QFP



**MCHC908QT2MDWE**  
NXP USA Inc.  
IC MCU 8BIT 1.5KB FLASH 8SO



**MCHC908QT4CDWE**  
Freescale Semiconductor  
IC MCU 8BIT 4KB FLASH 8SO



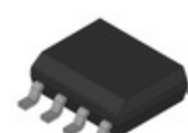
**MCHC908QY1VDWE**  
NXP USA Inc.  
IC MCU 8BIT 1.5KB FLASH 16SOIC



**MCHC908QY1VDWE**  
Freescale Semiconductor  
IC MCU 8BIT 1.5KB FLASH 16SOIC



**MCHC908QT4CDWER**  
NXP USA Inc.  
IC MCU 8BIT 4KB FLASH 8SO



**MCHC908QT4VDWER**  
Freescale Semiconductor  
IC MCU 8BIT 4KB FLASH 8SO



**MCHC908QT2MDWE**  
Freescale Semiconductor  
IC MCU 8BIT 1.5KB FLASH 8SO



**MCHC908QT2CDWE**  
Freescale Semiconductor  
MICROCONTROLLER, 8-BIT,  
HC08/S08



**MCHC908QY1MDWE**  
Freescale Semiconductor  
IC MCU 8BIT 1.5KB FLASH 16SOIC



**MCHC908LK24CFQE**  
NXP USA Inc.  
IC MCU 8BIT 24KB FLASH 80QFP



**MCHC908QT2CDWE**  
NXP USA Inc.  
IC MCU 8BIT 1.5KB FLASH 8SO



**MCHC908QT2CDWER**  
NXP USA Inc.  
IC MCU 8BIT 1.5KB FLASH 8SO

## 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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