

Image may be representation.  
See specifications for product details.



## MC9S08SH4CTJ

Manufacturer Part Number	<b>MC9S08SH4CTJ</b>
Manufacturer	<b>Freescal Semiconductor, Inc. (NXP Semiconductors)</b>
Allelco Part Number	32D-MC9S08SH4CTJ
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IC MCU 8BIT 4KB FLASH 20TSSOP
Package	20-TSSOP (0.173", 4.40mm Width)
Data sheet	MC9S08SH4CTJ.pdf

**Get a Quote**

MC9S08SH4CTJ - Freescal Semiconductor.New Original in Stock. Download Linear Technology MC9S08SH4CTJ datasheet/specifications on AllelcoElec.com.  
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## Specifications

MC9S08SH4CTJ Tech Specifications

MC9S08SH4CTJ - Freescal Semiconductor technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Freescal Semiconductor, Inc. (NXP Semiconductors)	Oscillator Type	Internal
Voltage - Supply (Vcc/Vdd)	2.7V ~ 5.5V	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package	20-TSSOP	Number of I/O	17
Speed	40MHz	Mounting Type	Surface Mount
Series	S08	EEPROM Size	-
RAM Size	256 x 8	Data Converters	A/D 12x10b
Program Memory Type	FLASH	Core Size	8-Bit
Program Memory Size	4KB (4K x 8)	Core Processor	S08
Peripherals	LVD, POR, PWM, WDT	Connectivity	I <sup>2</sup> C, LINbus, SCI, SPI
Package / Case	20-TSSOP (0.173", 4.40mm Width)	Base Product Number	MC9S08
Package	Bulk		

## Parts with Similar Specifications

The three parts on the right have similar specifications to Freescal Semiconductor MC9S08SH4CTJ

Product Attribute				
Part Number	MC9S08SH4CTJ	MC9S08SH32MWL	MC9S08SH32MTL	MC9S08SH4CTGR
Manufacturer	Freescal Semiconductor	Freescal Semiconductor	Freescal Semiconductor	NXP USA Inc.
Connectivity	I <sup>2</sup> C, LINbus, SCI, SPI	I <sup>2</sup> C, LINbus, SCI, SPI	I <sup>2</sup> C, LINbus, SCI, SPI	I <sup>2</sup> C, LINbus, SCI, SPI
Package / Case	20-TSSOP (0.173", 4.40mm Width)	28-SOIC (0.295", 7.50mm Width)	28-TSSOP (0.173", 4.40mm Width)	16-TSSOP (0.173", 4.40mm Width)
Program Memory Size	4KB (4K x 8)	32KB (32K x 8)	32KB (32K x 8)	4KB (4K x 8)
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Number of I/O	17	23	23	13
Data Converters	A/D 12x10b	A/D 16x10b	A/D 16x10b	A/D 8x10b
Series	S08	S08	S08	S08
Speed	40MHz	40MHz	40MHz	40MHz
Peripherals	LVD, POR, PWM, WDT	LVD, POR, PWM, WDT	LVD, POR, PWM, WDT	LVD, POR, PWM, WDT
Core Processor	S08	S08	S08	S08
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 125°C (TA)	-40°C ~ 125°C (TA)	-40°C ~ 85°C (TA)
Supplier Device Package	20-TSSOP	28-SOIC	28-TSSOP	16-TSSOP
Oscillator Type	Internal	Internal	Internal	Internal
EEPROM Size	-	-	-	-
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Core Size	8-Bit	8-Bit	8-Bit	8-Bit
RAM Size	256 x 8	1K x 8	1K x 8	256 x 8
Package	Bulk	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
Base Product Number	MC9S08	MC9S08	MC9S08	MC9S08

## Customers Also Interested in

### Recommended Products



**MC9S08SH32MWL**

Freescal Semiconductor  
IC MCU 8BIT 32KB FLASH 28SOIC



**MC9S08SH32MTL**

Freescal Semiconductor  
IC MCU 8BIT 32KB FLASH 28TSSOP



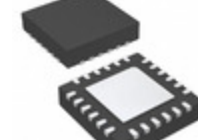
**MC9S08SH4CTGR**

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



**MC9S08SH4MTG**

Freescal Semiconductor  
IC MCU 8BIT 4KB FLASH 16TSSOP



**MC9S08SH8CFK**

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



**MC9S08SH4MTJ**

Freescal Semiconductor  
IC MCU 8BIT 4KB FLASH 20TSSOP



### MC9S08SH32VTL

NXP USA Inc.  
IC MCU 8BIT 32KB FLASH 28TSSOP



### MC9S08SH4MTGR

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



### MC9S08SH4CTJ

NXP USA Inc.  
IC MCU 8BIT 4KB FLASH 20TSSOP



### MC9S08SH4CTG

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



### MC9S08SH32VTL

Freescale Semiconductor  
IC MCU 8BIT 32KB FLASH 28TSSOP



### MC9S08SH4CWJR

NXP USA Inc.  
IC MCU 8BIT 4KB FLASH 20SOIC



### MC9S08SH32MTJ

NXP USA Inc.  
IC MCU 8BIT 32KB FLASH 20TSSOP



### MC9S08SH4CWJ

NXP USA Inc.  
IC MCU 8BIT 4KB FLASH 20SOIC



### MC9S08SH4MTJ

NXP USA Inc.  
IC MCU 8BIT 4KB FLASH 20TSSOP



### MC9S08SH32MWL

NXP USA Inc.  
IC MCU 8BIT 32KB FLASH 28SOIC



### MC9S08SH32MTL

NXP USA Inc.  
IC MCU 8BIT 32KB FLASH 28TSSOP



### MC9S08SH4MTG

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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