




# S9S08EL32F1CTJ

Manufacturer Part Number	<b>S9S08EL32F1CTJ</b>
Manufacturer	<b>Freescale Semiconductor, Inc. (NXP Semiconductors)</b>
Allelco Part Number	32D-S9S08EL32F1CTJ
ECAD Model	 Request Free CAD Models
Parts Description	MICROCONTROLLER, 8-BIT, HC08/S08
Package	20-TSSOP (0.173", 4.40mm Width)
Data sheet	S9S08EL32F1CTJ.pdf



**Get a Quote**

S9S08EL32F1CTJ - Freescale Semiconductor. New Original in Stock. Download Linear Technology S9S08EL32F1CTJ datasheet/specifications on AllelcoElec.com.  
Request a quote for S9S08EL32F1CTJ, please send us email: [info@allelco.com](mailto:info@allelco.com)





## Specifications

S9S08EL32F1CTJ Tech Specifications  
S9S08EL32F1CTJ - Freescale Semiconductor technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Freescale Semiconductor, Inc. (NXP Semiconductors)	Oscillator Type	External, 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	16
Speed	40MHz	Mounting Type	Surface Mount
Series	S08	EEPROM Size	512 x 8
RAM Size	1K x 8	Data Converters	A/D 16x10b SAR
Program Memory Type	FLASH	Core Size	8-Bit
Program Memory Size	32KB (32K 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	S9S08
Package	Bulk		

## Parts with Similar Specifications

The three parts on the right have similar specifications to Freescale Semiconductor S9S08EL32F1CTJ

Product Attribute	 NO PICTURE			
Part Number	S9S08EL32F1CTJ	<a href="#">S9S08EL32F1MTL</a>	<a href="#">S9S08EL32F1MTJ</a>	<a href="#">S9S08EL32F1VTL</a>
Manufacturer	Freescale Semiconductor	NXP USA Inc.	NXP USA Inc.	NXP USA Inc.
Peripherals	LVD, POR, PWM, WDT	LVD, POR, PWM, WDT	LVD, POR, PWM, WDT	LVD, POR, PWM, WDT
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
Series	S08	S08	S08	S08
Oscillator Type	External, Internal	External	External	External
Data Converters	A/D 16x10b SAR	A/D 16x10b	A/D 12x10b	A/D 16x10b
Program Memory Size	32KB (32K x 8)	32KB (32K x 8)	32KB (32K x 8)	32KB (32K x 8)
Package / Case	20-TSSOP (0.173", 4.40mm Width)	28-TSSOP (0.173", 4.40mm Width)	20-TSSOP (0.173", 4.40mm Width)	28-TSSOP (0.173", 4.40mm Width)
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 125°C (TA)	-40°C ~ 125°C (TA)	-40°C ~ 105°C (TA)
EEPROM Size	512 x 8	512 x 8	512 x 8	512 x 8
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Supplier Device Package	20-TSSOP	28-TSSOP	20-TSSOP	28-TSSOP
Core Processor	S08	S08	S08	S08
Package	Bulk	Tube	Tube	Tube
RAM Size	1K x 8	1K x 8	1K x 8	1K x 8
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
Speed	40MHz	40MHz	40MHz	40MHz
Base Product Number	S9S08	S9S08	S9S08	S9S08
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Number of I/O	16	22	16	22

## Customers Also Interested in

### Recommended Products



**S9S08EL32F1MTL**  
NXP USA Inc.  
IC MCU 8BIT 32KB FLASH 28TSSOP



**S9S08EL32F1MTJ**  
NXP USA Inc.  
IC MCU 8BIT 32KB FLASH 20TSSOP



**S9S08EL32F1VTL**  
NXP USA Inc.  
IC MCU 8BIT 32KB FLASH 28TSSOP



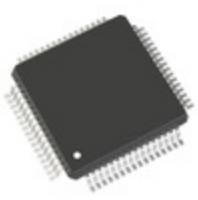
**S9S08EL32MTL**  
Freescale / NXP Semiconductors



**S9S08EL16VCTJ**  
Freescale / NXP Semiconductors



**S9S08EL16F1CTJ**  
Freescale / NXP Semiconductors



### S9S08LG16J0CLH

NXP USA Inc.  
IC MCU 8BIT 18KB FLASH 64LQFP

### S9S08EL16MTL

Freescale / NXP Semiconductors

### S9S08EL16VTJ

Freescale / NXP Semiconductors

### S9S08GN48F0CLH

Freescale / NXP Semiconductors

### S9S08EL32VTL

Freescale / NXP Semiconductors

### S9S08DZ96VLF

Freescale / NXP Semiconductors



### S9S08EL16F1MTL

NXP USA Inc.  
IC MCU 8BIT 16KB FLASH 28TSSOP

### S9S08EL16CTJ

Freescale / NXP Semiconductors

### S9S08EL16F1MTL

Freescale Semiconductor  
IC MCU 8BIT 16KB FLASH 28TSSOP

### S9S08ER48C

Freescale / NXP Semiconductors

### S9S08EL16F1VTJ

Freescale / NXP Semiconductors

### S9S08DZ96MLH

Freescale / NXP Semiconductors

## 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



View More