

Image may be representation.  
See specifications for product details.



## S9S08SG16E1VTLR

Manufacturer Part Number	<b>S9S08SG16E1VTLR</b>
Manufacturer	<b>NXP Semiconductors</b>
Allelco Part Number	32D-S9S08SG16E1VTLR
ECAD Model	Request Free CAD Models
Parts Description	IC MCU 8BIT 16KB FLASH 28TSSOP
Package	28-TSSOP (0.173', 4.40mm Width)
Data sheet	<b>MC9S08SG16, 32.pdf</b>
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

S9S08SG16E1VTLR - NXP USA Inc..New Original in Stock. Download Linear Technology S9S08SG16E1VTLR datasheet/specifications on AllelcoElec.com.  
Request a quote for S9S08SG16E1VTLR, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

S9S08SG16E1VTLR Tech Specifications  
S9S08SG16E1VTLR - 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 ~ 105°C (TA)
Supplier Device Package	28-TSSOP	Number of I/O	22
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 <sup>2</sup> C, LINbus, SCI, SPI
Package / Case	28-TSSOP (0.173', 4.40mm Width)	Base Product Number	S9S08
Package	Tape & Reel (TR)		

### Parts with Similar Specifications

The three parts on the right have similar specifications to NXP USA Inc. S9S08SG16E1VTLR

Product Attribute				
Part Number	S9S08SG16E1VTLR	<b>S9S08SG16E1WTG</b>	<b>S9S08SG16E1WTGR</b>	<b>S9S08SG16E1MTLR</b>
Manufacturer	NXP USA Inc.	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
Core Size	8-Bit	8-Bit	8-Bit	8-Bit
RAM Size	1K x 8	1K x 8	1K x 8	1K x 8
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Core Processor	S08	S08	S08	S08
Base Product Number	S9S08	S9S08	S9S08	S9S08
Oscillator Type	Internal	Internal	Internal	Internal
Supplier Device Package	28-TSSOP	16-TSSOP	16-TSSOP	28-TSSOP
Voltage - Supply (Vcc/Vdd)	2.7V ~ 5.5V	2.7V ~ 5.5V	2.7V ~ 5.5V	2.7V ~ 5.5V
Speed	40MHz	40MHz	40MHz	40MHz
Operating Temperature	-40°C ~ 105°C (TA)	-40°C ~ 150°C (TA)	-40°C ~ 150°C (TA)	-40°C ~ 125°C (TA)
Data Converters	A/D 16x10b	A/D 8x10b	A/D 8x10b	A/D 16x10b
Package	Tape & Reel (TR)	Tube	Tape & Reel (TR)	Tape & Reel (TR)
Series	S08	S08	S08	S08
EEPROM Size	-	-	-	-
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Package / Case	28-TSSOP (0.173', 4.40mm Width)	16-TSSOP (0.173', 4.40mm Width)	16-TSSOP (0.173', 4.40mm Width)	28-TSSOP (0.173', 4.40mm Width)
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
Number of I/O	22	12	12	22
Program Memory Size	16KB (16K x 8)	16KB (16K x 8)	16KB (16K x 8)	16KB (16K x 8)

### S9S08SG16E1VTLR Datasheet PDF

Download S9S08SG16E1VTLR pdf datasheets and NXP USA Inc. documentation for S9S08SG16E1VTLR - NXP USA Inc..

#### Datasheets


[MC9S08SG16, 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



**S9S08SG16E1WTG**

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



**S9S08SG16E1WTGR**

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



**S9S08SG16E1MTLR**

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



**S9S08SG32E1CTG**

Freescal Semiconductor  
MICROCONTROLLER, 8-BIT,  
HC08/S08



**S9S08SG16E1MTG**

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



**S9S08SG32CTJ**

Freescal / NXP Semiconductors



**S9S08SG16E1VTJR**

NXP USA Inc.  
IC MCU 8BIT 16KB FLASH 20TSSOP



**S9S08SG16SMTG**

Freescal / NXP Semiconductors



**S9S08SG16VTL**

Freescal / NXP Semiconductors



**S9S08SG16E1VTJR**

Freescal Semiconductor  
IC MCU 8BIT 16KB FLASH 20TSSOP



**S9S08SG16E1MTGR**

Freescal Semiconductor  
IC MCU 8BIT 16KB FLASH 16TSSOP



**S9S08SG16E1MTJ**

NXP USA Inc.  
IC MCU 8BIT 16KB FLASH 20TSSOP



**S9S08SG16V**

Freescal / NXP Semiconductors



**S9S08SG16E1MTGR**

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



**S9S08SG16E1MTL**

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



**S9S08SG16E1CTL**

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



**S9S08SG16SMTJ**

Freescal / NXP Semiconductors



**S9S08SG16E1CTLR**

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

## 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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