

Image may be representation.  
See specifications for product details.



## S9S12G128F0VLF

Manufacturer Part Number	<b>S9S12G128F0VLF</b>
Manufacturer	<b>NXP Semiconductors</b>
Allelco Part Number	32D-S9S12G128F0VLF
ECAD Model	Request Free CAD Models
Parts Description	IC MCU 16BIT 128KB FLASH 48LQFP
Package	48-LQFP
Data sheet	<b>MC9S12G Family Datasheet.pdf</b>
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

S9S12G128F0VLF - NXP USA Inc..New Original in Stock. Download Linear Technology S9S12G128F0VLF datasheet/specifications on AllelcoElec.com.  
Request a quote for S9S12G128F0VLF, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

S9S12G128F0VLF Tech Specifications

S9S12G128F0VLF - 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)	3.13V ~ 5.5V	Operating Temperature	-40°C ~ 105°C (TA)
Supplier Device Package	48-LQFP (7x7)	Number of I/O	40
Speed	25MHz	Mounting Type	Surface Mount
Series	HCS12	EEPROM Size	4K x 8
RAM Size	8K x 8	Data Converters	A/D 12x10b
Program Memory Type	FLASH	Core Size	16-Bit
Program Memory Size	128KB (128K x 8)	Core Processor	12V1
Peripherals	LVD, POR, PWM, WDT	Connectivity	CANbus, IrDA, LINbus, SCI, SPI
Package / Case	48-LQFP	Base Product Number	S9S12
Package	Tray		

### Parts with Similar Specifications

The three parts on the right have similar specifications to NXP USA Inc. S9S12G128F0VLF

Product Attribute				
Part Number	S9S12G128F0VLF	<b>S9S12G128F0VLF</b>	<b>S9S12G128F0VLLR</b>	<b>S9S12G128F0VLH</b>
Manufacturer	NXP USA Inc.	NXP USA Inc.	Freescale Semiconductor	NXP USA Inc.
Voltage - Supply (Vcc/Vdd)	3.13V ~ 5.5V	3.13V ~ 5.5V	3.13V ~ 5.5V	3.13V ~ 5.5V
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Operating Temperature	-40°C ~ 105°C (TA)	-40°C ~ 105°C (TA)	-40°C ~ 105°C (TA)	-40°C ~ 105°C (TA)
Connectivity	CANbus, IrDA, LINbus, SCI, SPI	CANbus, IrDA, LINbus, SCI, SPI	CANbus, IrDA, LINbus, SCI, SPI	CANbus, IrDA, LINbus, SCI, SPI
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Supplier Device Package	48-LQFP (7x7)	48-LQFP (7x7)	100-LQFP (14x14)	64-LQFP (10x10)
Package	Tray	Tape & Reel (TR)	Bulk	Tray
Number of I/O	40	40	86	54
Program Memory Size	128KB (128K x 8)	128KB (128K x 8)	128KB (128K x 8)	128KB (128K x 8)
Package / Case	48-LQFP	48-LQFP	100-LQFP	64-LQFP
Core Size	16-Bit	16-Bit	16-Bit	16-Bit
Speed	25MHz	25MHz	25MHz	25MHz
Base Product Number	S9S12	S9S12	S9S12	S9S12
EEPROM Size	4K x 8	4K x 8	4K x 8	4K x 8
Series	HCS12	HCS12	HCS12	HCS12
Oscillator Type	Internal	Internal	Internal	Internal
Data Converters	A/D 12x10b	A/D 12x10b	A/D 12x10b	A/D 12x10b
Core Processor	12V1	12V1	12V1	12V1
RAM Size	8K x 8	8K x 8	8K x 8	8K x 8
Peripherals	LVD, POR, PWM, WDT	LVD, POR, PWM, WDT	LVD, POR, PWM, WDT	LVD, POR, PWM, WDT

### S9S12G128F0VLF Datasheet PDF

Download S9S12G128F0VLF pdf datasheets and NXP USA Inc. documentation for S9S12G128F0VLF - NXP USA Inc..

#### Datasheets

[MC9S12G Family Datasheet.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 Design/Specification

 Mult Dev 25/May/2020.pdf




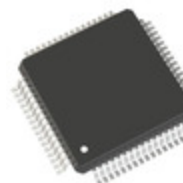






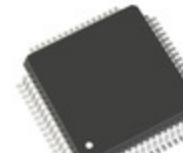


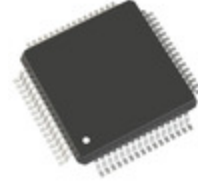




 MC9S12G DS Rev 10/May/2021.pdf

## PCN Assembly/Origin

 2.73KHz.pdf

## Customers Also Interested in

### Recommended Products

					
<b>S9S12G128F0VLFR</b> NXP USA Inc. IC MCU 16BIT 128KB FLASH 48LQFP	<b>S9S12G128F0VLLR</b> Freescale Semiconductor IC MCU 16BIT 128KB FLASH 100LQFP	<b>S9S12G128J0CLH</b> NXP USA Inc. 16BIT 128K FLASH	<b>S9S12G128F0VLH</b> NXP USA Inc. IC MCU 16BIT 128KB FLASH 64LQFP	<b>S9S12G128J0MLFR</b> NXP USA Inc. 16-BIT MCU, S12 CORE, 128KB FLAS	<b>S9S12G128F0CLL</b> NXP USA Inc. IC MCU 16BIT 128KB FLASH 100LQFP
					
<b>S9S12G128J0MLL</b> NXP USA Inc. 16-BIT MCU, S12 CORE, 128KB FLAS	<b>S9S12G128F0CLF</b> Freescale Semiconductor IC MCU 16BIT 128KB FLASH 48LQFP	<b>S9S12G128F0MLL</b> NXP USA Inc. IC MCU 16BIT 128KB FLASH 100LQFP	<b>S9S12G128F0CLFR</b> NXP USA Inc. IC MCU 16BIT 128KB FLASH 48LQFP	<b>S9S12G128F0MLH</b> NXP USA Inc. IC MCU 16BIT 128KB FLASH 64LQFP	<b>S9S12G128J0VLH</b> NXP USA Inc. 16-BIT MCU, S12 CORE, 128KB FLAS
					
<b>S9S12G128F0MLHR</b> NXP USA Inc. IC MCU 16BIT 128KB FLASH 64LQFP	<b>S9S12G128F0CLH</b> NXP USA Inc. IC MCU 16BIT 128KB FLASH 64LQFP	<b>S9S12G128F0VLLR</b> NXP USA Inc. IC MCU 16BIT 128KB FLASH 100LQFP	<b>S9S12G128F0MLF</b> NXP USA Inc. IC MCU 16BIT 128KB FLASH 48LQFP	<b>S9S12G128F0VLL</b> NXP USA Inc. IC MCU 16BIT 128KB FLASH 100LQFP	<b>S9S12G128F0MLFR</b> NXP USA Inc. IC MCU 16BIT 128KB FLASH 48LQFP

## 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 Alleco 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
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Contact us if you have any questions.

 Phone +00852 9146 4856	 Email info@alleco.com
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## Certifications & Memberships



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