

Image may be representation.
See specifications for product details.



S9S12G96F0VLF

Manufacturer Part Number	S9S12G96F0VLF
Manufacturer	NXP Semiconductors
Allelco Part Number	32D-S9S12G96F0VLF
ECAD Model	Request Free CAD Models
Parts Description	IC MCU 16BIT 96KB FLASH 48LQFP
Package	48-LQFP
Data sheet	MC9S12G Family Datasheet.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

S9S12G96F0VLF - NXP USA Inc..New Original in Stock. Download Linear Technology S9S12G96F0VLF datasheet/specifications on AllelcoElec.com.
Request a quote for S9S12G96F0VLF, please send us email: info@allelco.com

Specifications

S9S12G96F0VLF Tech Specifications

S9S12G96F0VLF - 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	3K x 8
RAM Size	8K x 8	Data Converters	A/D 12x10b
Program Memory Type	FLASH	Core Size	16-Bit
Program Memory Size	96KB (96K 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. S9S12G96F0VLF

Product Attribute				
Part Number	S9S12G96F0VLF	S9S12G96F0CLF	S9S12G96F0CLH	S9S12G96F0CLL
Manufacturer	NXP USA Inc.	Freescale Semiconductor	NXP USA Inc.	NXP USA Inc.
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Peripherals	LVD, POR, PWM, WDT	LVD, POR, PWM, WDT	LVD, POR, PWM, WDT	LVD, POR, PWM, WDT
Number of I/O	40	40	54	86
Core Processor	12V1	12V1	12V1	12V1
Voltage - Supply (Vcc/Vdd)	3.13V ~ 5.5V	3.13V ~ 5.5V	3.13V ~ 5.5V	3.13V ~ 5.5V
Supplier Device Package	48-LQFP (7x7)	48-LQFP (7x7)	64-LQFP (10x10)	100-LQFP (14x14)
Series	HCS12	HCS12	HCS12	HCS12
Base Product Number	S9S12	S9S12	S9S12	S9S12
RAM Size	8K x 8	8K x 8	8K x 8	8K x 8
Speed	25MHz	25MHz	25MHz	25MHz
Package	Tray	Bulk	Tray	Tray
EEPROM Size	3K x 8	3K x 8	3K x 8	3K x 8
Operating Temperature	-40°C ~ 105°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Package / Case	48-LQFP	48-LQFP	64-LQFP	100-LQFP
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Core Size	16-Bit	16-Bit	16-Bit	16-Bit
Data Converters	A/D 12x10b	A/D 12x10b	A/D 12x10b	A/D 12x10b
Connectivity	CANbus, IrDA, LINbus, SCI, SPI	CANbus, IrDA, LINbus, SCI, SPI	CANbus, IrDA, LINbus, SCI, SPI	CANbus, IrDA, LINbus, SCI, SPI
Oscillator Type	Internal	Internal	Internal	Internal
Program Memory Size	96KB (96K x 8)	96KB (96K x 8)	96KB (96K x 8)	96KB (96K x 8)

S9S12G96F0VLF Datasheet PDF

Download S9S12G96F0VLF pdf datasheets and NXP USA Inc. documentation for S9S12G96F0VLF - 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



















 MC9S12G DS Rev 10/May/2021.pdf

PCN Assembly/Origin

 Assembly Site 15/Dec/2022.pdf

Customers Also Interested in

Recommended Products

					
S9S12G96F0CLF Freescale Semiconductor IC MCU 16BIT 96KB FLASH 48LQFP	S9S12G96CLF Freescale / NXP Semiconductors	S9S12G96MLL 0N51A Freescale / NXP Semiconductors	S9S12G96F0CLH NXP USA Inc. IC MCU 16BIT 96KB FLASH 64LQFP	S9S12G96F0CLL NXP USA Inc. IC MCU 16BIT 96KB FLASH 100LQFP	S9S12G96F0CLH Analog Devices Inc. MC9S12G - 16-bit MCU, 96KB Flash
					
S9S12G96F0CLFR NXP USA Inc. IC MCU 16BIT 96KB FLASH 48LQFP	S9S12GA128F0MLF NXP USA Inc. IC MCU 16BIT 128KB FLASH 48LQFP	S9S12G96MLH Freescale / NXP Semiconductors	S9S12G96MLF FREESCA	S9S12G96AVLH NXP USA Inc. IC MCU 16BIT 96KB FLASH 64LQFP	S9S12G96VLH Freescale / NXP Semiconductors
					
S9S12G96VLF Freescale / NXP Semiconductors	S9S12GA128MLH FREESCA	S9S12G96F0MLF NXP USA Inc. IC MCU 16BIT 96KB FLASH 48LQFP	S9S12G96F0VLH NXP USA Inc. IC MCU 16BIT 96KB FLASH 64LQFP	S9S12G96F0CLF NXP USA Inc. IC MCU 16BIT 96KB FLASH 48LQFP	S9S12G96CLH FREESCA

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
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Contact us if you have any questions.

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Certifications & Memberships



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