



Image may be representation.
See specifications for product details.



S9S12G48F1VLCR

Manufacturer Part Number	S9S12G48F1VLCR
Manufacturer	NXP Semiconductors
Allelco Part Number	32D-S9S12G48F1VLCR
ECAD Model	Request Free CAD Models
Parts Description	IC MCU 16BIT 48KB FLASH 32LQFP
Package	32-LQFP
Data sheet	MC9S12G Family Datasheet.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

S9S12G48F1VLCR - NXP USA Inc..New Original in Stock. Download Linear Technology S9S12G48F1VLCR datasheet/specifications on AllelcoElec.com.
Request a quote for S9S12G48F1VLCR, please send us email: info@allelco.com

Specifications

S9S12G48F1VLCR Tech Specifications

S9S12G48F1VLCR - 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	32-LQFP (7x7)	Number of I/O	26
Speed	25MHz	Mounting Type	Surface Mount
Series	HCS12	EEPROM Size	1.5K x 8
RAM Size	4K x 8	Data Converters	A/D 12x10b
Program Memory Type	FLASH	Core Size	16-Bit
Program Memory Size	48KB (48K x 8)	Core Processor	12V1
Peripherals	LVD, POR, PWM, WDT	Connectivity	CANbus, IrDA, LINbus, SCI, SPI
Package / Case	32-LQFP	Base Product Number	S9S12
Package	Tape & Reel (TR)		

Parts with Similar Specifications

The three parts on the right have similar specifications to NXP USA Inc. S9S12G48F1VLCR

Product Attribute				
Part Number	S9S12G48F1VLCR	S9S12G64BMLC	S9S12G64ACLH	S9S12G64AMLH
Manufacturer	NXP USA Inc.	NXP USA Inc.	NXP USA Inc.	NXP USA Inc.
Base Product Number	S9S12	S9S12	S9S12	S9S12
EEPROM Size	1.5K x 8	2K x 8	2K x 8	2K x 8
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Oscillator Type	Internal	Internal	Internal	Internal
Voltage - Supply (Vcc/Vdd)	3.13V ~ 5.5V	3.13V ~ 5.5V	3.13V ~ 5.5V	3.13V ~ 5.5V
Data Converters	A/D 12x10b	A/D 12x10b	A/D 12x10b	A/D 12x10b
Peripherals	LVD, POR, PWM, WDT	LVD, POR, PWM, WDT	LVD, POR, PWM, WDT	LVD, POR, PWM, WDT
Number of I/O	26	26	54	54
Supplier Device Package	32-LQFP (7x7)	32-LQFP (7x7)	64-LQFP (10x10)	64-LQFP (10x10)
Speed	25MHz	25MHz	25MHz	25MHz
Series	HCS12	HCS12	HCS12	HCS12
Core Processor	12V1	12V1	12V1	12V1
Program Memory Size	48KB (48K x 8)	64KB (64K x 8)	64KB (64K x 8)	64KB (64K x 8)
Connectivity	CANbus, IrDA, LINbus, SCI, SPI	CANbus, IrDA, LINbus, SCI, SPI	CANbus, IrDA, LINbus, SCI, SPI	CANbus, IrDA, LINbus, SCI, SPI
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tray	Tray
Operating Temperature	-40°C ~ 105°C (TA)	-40°C ~ 125°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 125°C (TA)
Package / Case	32-LQFP	32-LQFP	64-LQFP	64-LQFP
Core Size	16-Bit	16-Bit	16-Bit	16-Bit
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
RAM Size	4K x 8	4K x 8	4K x 8	4K x 8

S9S12G48F1VLCR Datasheet PDF

Download S9S12G48F1VLCR pdf datasheets and NXP USA Inc. documentation for S9S12G48F1VLCR - 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

 Mult Dev Test Site 25/Mar/2021.pdf

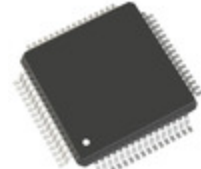
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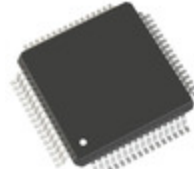
S9S12G64BMLC

NXP USA Inc.
IC MCU 16BIT 64KB FLASH 32LQFP



S9S12G64ACLH

NXP USA Inc.
IC MCU 16BIT 64KB FLASH 64LQFP



S9S12G64AMLH

NXP USA Inc.
IC MCU 16BIT 64KB FLASH 64LQFP



S9S12G48F1MLC

NXP USA Inc.
IC MCU 16BIT 48KB FLASH 32LQFP



S9S12G64AMLF

NXP USA Inc.
IC MCU 16BIT 64KB FLASH 48LQFP



S9S12G48F1MLC

Freescale Semiconductor
IC MCU 16BIT 48KB FLASH 32LQFP



S9S12G48F0MLFR

NXP USA Inc.
IC MCU 16BIT 48KB FLASH 48LQFP



S9S12G48F1VLC

NXP USA Inc.
IC MCU 16BIT 48KB FLASH 32LQFP



S9S12G64AVLFR

NXP USA Inc.
IC MCU 16BIT 64KB FLASH 48LQFP



S9S12G48F1CLC

NXP USA Inc.
IC MCU 16BIT 48KB FLASH 32LQFP



S9S12G48F0CLF

NXP USA Inc.
IC MCU 16BIT 48KB FLASH 48LQFP



S9S12G48F0MLF

NXP USA Inc.
IC MCU 16BIT 48KB FLASH 48LQFP



S9S12G48F1CLCR

NXP USA Inc.
IC MCU 16BIT 48KB FLASH 32LQFP



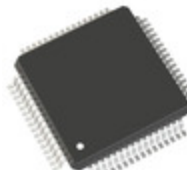
S9S12G64AWLF

NXP USA Inc.
IC MCU 16BIT 64KB FLASH 48LQFP



S9S12G64AMLFR

NXP USA Inc.
IC MCU 16BIT 64KB FLASH 48LQFP



S9S12G48F0MLH

NXP USA Inc.
IC MCU 16BIT 48KB FLASH 64LQFP



S9S12G48MLH

FEEESCALE



S9S12G64F0CLF

NXP USA Inc.
IC MCU 16BIT 64KB 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

Contact us if you have any questions.



Phone

+00852 9146 4856



Email

info@alleco.com

Certifications & Memberships



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