

Image may be representation.
See specifications for product details.



S9S12GN48AVLH

Manufacturer Part Number	S9S12GN48AVLH
Manufacturer	NXP Semiconductors
Allelco Part Number	32D-S9S12GN48AVLH
ECAD Model	Request Free CAD Models
Parts Description	IC MCU 16BIT 48KB FLASH 64LQFP
Package	64-LQFP
Data sheet	S12G Family Fact Sheet.pdf MC9S12G Family Manual and Datasheet.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

S9S12GN48AVLH - NXP USA Inc..New Original in Stock. Download Linear Technology S9S12GN48AVLH datasheet/specifications on AllelcoElec.com.
Request a quote for S9S12GN48AVLH, please send us email: info@allelco.com

Specifications

S9S12GN48AVLH Tech Specifications

S9S12GN48AVLH - 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	64-LQFP (10x10)	Number of I/O	54
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	IrDA, LINbus, SCI, SPI
Package / Case	64-LQFP	Base Product Number	S9S12
Package	Tray		

Parts with Similar Specifications

The three parts on the right have similar specifications to NXP USA Inc. S9S12GN48AVLH

Product Attribute				
Part Number	S9S12GN48AVLH	S9S12GN48BVLC	S9S12GN48F0MLF	S9S12GN48F0CLH
Manufacturer	NXP USA Inc.	NXP USA Inc.	NXP USA Inc.	Freescale Semiconductor
Program Memory Size	48KB (48K x 8)	48KB (48K x 8)	48KB (48K x 8)	48KB (48K x 8)
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Voltage - Supply (Vcc/Vdd)	3.13V ~ 5.5V	3.13V ~ 5.5V	3.13V ~ 5.5V	3.13V ~ 5.5V
Package	Tray	Tray	Tray	Bulk
EEPROM Size	1.5K x 8	1.5K x 8	1.5K x 8	1.5K x 8
Speed	25MHz	25MHz	25MHz	25MHz
Supplier Device Package	64-LQFP (10x10)	32-LQFP (7x7)	48-LQFP (7x7)	64-LQFP (10x10)
Data Converters	A/D 12x10b	A/D 12x10b	A/D 12x10b	A/D 12x10b
Connectivity	IrDA, LINbus, SCI, SPI	IrDA, LINbus, SCI, SPI	IrDA, LINbus, SCI, SPI	IrDA, LINbus, SCI, SPI
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
Oscillator Type	Internal	Internal	Internal	Internal
Operating Temperature	-40°C ~ 105°C (TA)	-40°C ~ 105°C (TA)	-40°C ~ 125°C (TA)	-40°C ~ 85°C (TA)
Number of I/O	54	26	40	54
RAM Size	4K x 8	4K x 8	4K x 8	4K x 8
Core Size	16-Bit	16-Bit	16-Bit	16-Bit
Package / Case	64-LQFP	32-LQFP	48-LQFP	64-LQFP
Series	HCS12	HCS12	HCS12	HCS12
Core Processor	12V1	12V1	12V1	12V1
Base Product Number	S9S12	S9S12	S9S12	S9S12

S9S12GN48AVLH Datasheet PDF

Download S9S12GN48AVLH pdf datasheets and NXP USA Inc. documentation for S9S12GN48AVLH - NXP USA Inc..

Datasheets

[S12G Family Fact Sheet.pdf](#)


[MC9S12G Family Manual and Datasheet.pdf](#)

Environmental Information

[NXP USA Inc REACH.pdf](#)

[NXP USA Inc RoHS Cert.pdf](#)

PCN Packaging

 Mult Dev Pkg Seal 15/Dec/2020.pdf


 Mult Dev Pkg Chgs 8/Feb/2022.pdf

PCN Design/Specification

 Mult Dev 25/May/2020.pdf

 MC9S12G DS Rev 10/May/2021.pdf

PCN Assembly/Origin

 Mult Dev Test Site 25/Mar/2021.pdf

Customers Also Interested in

Recommended Products



S9S12GN32VLF

Freescale / NXP Semiconductors



S9S12GN48BVLC

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



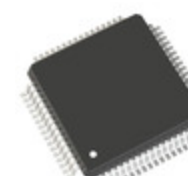
S9S12GN48F0MLF

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



S9S12GN48F0CLH

Freescale Semiconductor
IC MCU 16BIT 48KB FLASH 64LQFP



S9S12GN48F0CLH

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



S9S12GN48F0MLFR

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



S9S12GN48F0CLF

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



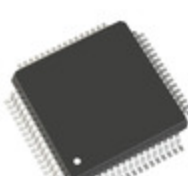
S9S12GN48F0CLF

Freescale Semiconductor
IC MCU 16BIT 48KB FLASH 48LQFP



S9S12GN32MLC

Freescale / NXP Semiconductors



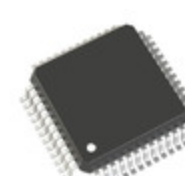
S9S12GN48ACLH

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



S9S12GN32VLC

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S9S12GN48AMLF

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



S9S12GN48F0CLFR

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



S9S12GN32MTJ

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S9S12GN48BVLC

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S9S12GN48ACLF

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IC MCU 16BIT 48KB FLASH 48LQFP



S9S12GN48AVLF

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



S9S12GN48CLH

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 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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