



Image may be representation.
See specifications for product details.



S9S12G64F0MLF

Manufacturer Part Number	S9S12G64F0MLF
Manufacturer	NXP Semiconductors
Allelco Part Number	32D-S9S12G64F0MLF
ECAD Model	Request Free CAD Models
Parts Description	IC MCU 16BIT 64KB FLASH 48LQFP
Package	48-LQFP
Data sheet	MC9S12G Family Datasheet.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

S9S12G64F0MLF - NXP USA Inc..New Original in Stock. Download Linear Technology S9S12G64F0MLF datasheet/specifications on AllelcoElec.com.
Request a quote for S9S12G64F0MLF, please send us email: info@allelco.com

Specifications

S9S12G64F0MLF Tech Specifications

S9S12G64F0MLF - 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 ~ 125°C (TA)
Supplier Device Package	48-LQFP (7x7)	Number of I/O	40
Speed	25MHz	Mounting Type	Surface Mount
Series	HCS12	EEPROM Size	2K x 8
RAM Size	4K x 8	Data Converters	A/D 12x10b
Program Memory Type	FLASH	Core Size	16-Bit
Program Memory Size	64KB (64K 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. S9S12G64F0MLF

Product Attribute				
Part Number	S9S12G64F0MLF	S9S12G64F0MLH	S9S12G64F0CLH	S9S12G64F0VLF
Manufacturer	NXP USA Inc.	Freescale Semiconductor	NXP USA Inc.	NXP USA Inc.
Core Processor	12V1	12V1	12V1	12V1
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
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
Package / Case	48-LQFP	64-LQFP	64-LQFP	48-LQFP
Supplier Device Package	48-LQFP (7x7)	64-LQFP (10x10)	64-LQFP (10x10)	48-LQFP (7x7)
Oscillator Type	Internal	Internal	Internal	Internal
Base Product Number	S9S12	S9S12	S9S12	S9S12
Program Memory Size	64KB (64K x 8)	64KB (64K x 8)	64KB (64K x 8)	64KB (64K x 8)
Number of I/O	40	54	54	40
Core Size	16-Bit	16-Bit	16-Bit	16-Bit
Operating Temperature	-40°C ~ 125°C (TA)	-40°C ~ 125°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 105°C (TA)
Program Memory Type	FLASH	FLASH	FLASH	FLASH
RAM Size	4K x 8	4K x 8	4K x 8	4K x 8
Package	Tray	Bulk	Tray	Tape & Reel (TR)
Voltage - Supply (Vcc/Vdd)	3.13V ~ 5.5V	3.13V ~ 5.5V	3.13V ~ 5.5V	3.13V ~ 5.5V
EEPROM Size	2K x 8	2K x 8	2K x 8	2K x 8
Series	HCS12	HCS12	HCS12	HCS12
Speed	25MHz	25MHz	25MHz	25MHz

S9S12G64F0MLF Datasheet PDF

Download S9S12G64F0MLF pdf datasheets and NXP USA Inc. documentation for S9S12G64F0MLF - 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





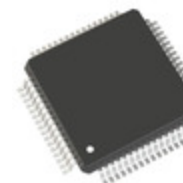


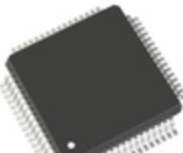










 MC9S12G DS Rev 10/May/2021.pdf

PCN Assembly/Origin

 2.73KHz.pdf

Customers Also Interested in

Recommended Products

					
S9S12G64F0MLH Freescale Semiconductor IC MCU 16BIT 64KB FLASH 64LQFP	S9S12G64F0CLH NXP USA Inc. IC MCU 16BIT 64KB FLASH 64LQFP	S9S12G64F0VLF NXP USA Inc. IC MCU 16BIT 64KB FLASH 48LQFP	S9S12G64F1MLC NXP USA Inc. IC MCU 16BIT 64KB FLASH 32LQFP	S9S12G64AMLH NXP USA Inc. IC MCU 16BIT 64KB FLASH 64LQFP	S9S12G64BMLC NXP USA Inc. IC MCU 16BIT 64KB FLASH 32LQFP
					
S9S12G64AVLFR NXP USA Inc. IC MCU 16BIT 64KB FLASH 48LQFP	S9S12G96AVLH NXP USA Inc. IC MCU 16BIT 96KB FLASH 64LQFP	S9S12G64AWLF NXP USA Inc. IC MCU 16BIT 64KB FLASH 48LQFP	S9S12G64AMLFR NXP USA Inc. IC MCU 16BIT 64KB FLASH 48LQFP	S9S12G64AMLF NXP USA Inc. IC MCU 16BIT 64KB FLASH 48LQFP	S9S12G64F1VLC NXP USA Inc. IC MCU 16BIT 64KB FLASH 32LQFP
					
S9S12G64F0MLH NXP USA Inc. IC MCU 16BIT 64KB FLASH 64LQFP	S9S12G64F0CLH Freescale Semiconductor IC MCU 16BIT 64KB FLASH 64LQFP	S9S12G64F0VLF NXP USA Inc. IC MCU 16BIT 64KB FLASH 48LQFP	S9S12G96CLF Freescale / NXP Semiconductors	S9S12G64F0MLFR NXP USA Inc. IC MCU 16BIT 64KB FLASH 48LQFP	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
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Contact us if you have any questions.

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