



S9S12G192F0VLLR

Manufacturer Part Number	S9S12G192F0VLLR
Manufacturer	NXP Semiconductors
Allelco Part Number	32D-S9S12G192F0VLLR
ECAD Model	Request Free CAD Models
Parts Description	IC MCU 16BIT 192KB FLASH 100LQFP
Package	100-LQFP
Data sheet	MC9S12G Family Datasheet.pdf
RoHS Status	ROHS3 Compliant

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Specifications

S9S12G192F0VLLR Tech Specifications
S9S12G192F0VLLR - 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	100-LQFP (14x14)	Number of I/O	86
Speed	25MHz	Mounting Type	Surface Mount
Series	HCS12	EEPROM Size	4K x 8
RAM Size	11K x 8	Data Converters	A/D 16x10b
Program Memory Type	FLASH	Core Size	16-Bit
Program Memory Size	192KB (192K x 8)	Core Processor	12V1
Peripherals	LVD, POR, PWM, WDT	Connectivity	CANbus, IrDA, LINbus, SCI, SPI
Package / Case	100-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. S9S12G192F0VLLR

Product Attribute				
Part Number	S9S12G192F0VLLR	S9S12G240F0CLF	S9S12G240F0MLF	S9S12G240F0VLF
Manufacturer	NXP USA Inc.	NXP USA Inc.	NXP USA Inc.	NXP USA Inc.
Operating Temperature	-40°C ~ 105°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 125°C (TA)	-40°C ~ 105°C (TA)
Core Size	16-Bit	16-Bit	16-Bit	16-Bit
EEPROM Size	4K x 8	4K x 8	4K x 8	4K x 8
Voltage - Supply (Vcc/Vdd)	3.13V ~ 5.5V	3.13V ~ 5.5V	3.13V ~ 5.5V	3.13V ~ 5.5V
Package / Case	100-LQFP	48-LQFP	48-LQFP	48-LQFP
Peripherals	LVD, POR, PWM, WDT	LVD, POR, PWM, WDT	LVD, POR, PWM, WDT	LVD, POR, PWM, WDT
Supplier Device Package	100-LQFP (14x14)	48-LQFP (7x7)	48-LQFP (7x7)	48-LQFP (7x7)
Core Processor	12V1	12V1	12V1	12V1
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Data Converters	A/D 16x10b	A/D 16x10b	A/D 16x10b	A/D 16x10b
Connectivity	CANbus, IrDA, LINbus, SCI, SPI	CANbus, IrDA, LINbus, SCI, SPI	CANbus, IrDA, LINbus, SCI, SPI	CANbus, IrDA, LINbus, SCI, SPI
Series	HCS12	HCS12	HCS12	HCS12
Number of I/O	86	40	40	40
RAM Size	11K x 8	11K x 8	11K x 8	11K x 8
Base Product Number	S9S12	S9S12	S9S12	S9S12
Package	Tape & Reel (TR)	Tray	Tray	Tape & Reel (TR)
Oscillator Type	Internal	Internal	Internal	Internal
Speed	25MHz	25MHz	25MHz	25MHz
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Program Memory Size	192KB (192K x 8)	240KB (240K x 8)	240KB (240K x 8)	240KB (240K x 8)

S9S12G192F0VLLR Datasheet PDF

Download S9S12G192F0VLLR pdf datasheets and NXP USA Inc. documentation for S9S12G192F0VLLR - 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

 Cylindrical Battery Holders.pdf

Customers Also Interested in

Recommended Products



S9S12G240F0CLF

NXP USA Inc.
IC MCU 16BIT 240KB FLASH 48LQFP



S9S12G240F0MLF

NXP USA Inc.
IC MCU 16BIT 240KB FLASH 48LQFP



NO PICTURE

S9S12G128VLH

FREESCA



S9S12G192FOCLL

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S9S12G128MLL

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S9S12G240F0VLF

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S9S12G240F0VLH

NXP USA Inc.
IC MCU 16BIT 240KB FLASH 64LQFP



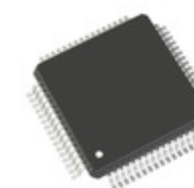
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S9S12G192CLH

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S9S12G192FOCLL

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S9S12G128VLL

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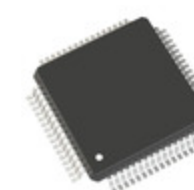
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S9S12G240CLF

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S9S12G192VLH

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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.




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 Cost-Saving Procurement

 Fast Sourcing & Delivery

Contact us if you have any questions.

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Certifications & Memberships



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