

Image may be representation.
See specifications for product details.



S9S12G128AMLHR

Manufacturer Part Number	S9S12G128AMLHR
Manufacturer	NXP Semiconductors
Allelco Part Number	32D-S9S12G128AMLHR
ECAD Model	Request Free CAD Models
Parts Description	IC MCU 16BIT 128KB FLASH 64LQFP
Package	64-LQFP
Data sheet	S9S12G128AMLHR.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

S9S12G128AMLHR - NXP USA Inc..New Original in Stock. Download Linear Technology S9S12G128AMLHR datasheet/specifications on AllelcoElec.com.
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Specifications

S9S12G128AMLHR Tech Specifications

S9S12G128AMLHR - 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	64-LQFP (10x10)	Number of I/O	54
Speed	25MHz	Mounting Type	Surface Mount
Series	HCS12	EEPROM Size	4K x 8
RAM Size	8K x 8	Data Converters	A/D 12x10b
Program Memory Type	FLASH	Core Size	16-Bit
Program Memory Size	128KB (128K x 8)	Core Processor	12V1
Peripherals	LVD, POR, PWM, WDT	Connectivity	CANbus, IrDA, LINbus, SCI, SPI
Package / Case	64-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. S9S12G128AMLHR

Product Attribute				
Part Number	S9S12G128AMLHR	S9S12G128ACLL	S9S12G128AMLLR	S9S12G128AVLFR
Manufacturer	NXP USA Inc.	NXP USA Inc.	NXP USA Inc.	NXP USA Inc.
Number of I/O	54	86	86	40
Operating Temperature	-40°C ~ 125°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 125°C (TA)	-40°C ~ 105°C (TA)
Voltage - Supply (Vcc/Vdd)	3.13V ~ 5.5V	3.13V ~ 5.5V	3.13V ~ 5.5V	3.13V ~ 5.5V
Core Processor	12V1	12V1	12V1	12V1
Speed	25MHz	25MHz	25MHz	25MHz
Data Converters	A/D 12x10b	A/D 12x10b	A/D 12x10b	A/D 12x10b
Package	Tape & Reel (TR)	Tray	Tape & Reel (TR)	Tape & Reel (TR)
Peripherals	LVD, POR, PWM, WDT	LVD, POR, PWM, WDT	LVD, POR, PWM, WDT	LVD, POR, PWM, WDT
Series	HCS12	HCS12	HCS12	HCS12
Base Product Number	S9S12	S9S12	S9S12	S9S12
Connectivity	CANbus, IrDA, LINbus, SCI, SPI	CANbus, IrDA, LINbus, SCI, SPI	CANbus, IrDA, LINbus, SCI, SPI	CANbus, IrDA, LINbus, SCI, SPI
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Core Size	16-Bit	16-Bit	16-Bit	16-Bit
Program Memory Size	128KB (128K x 8)	128KB (128K x 8)	128KB (128K x 8)	128KB (128K x 8)
RAM Size	8K x 8	8K x 8	8K x 8	8K x 8
EEPROM Size	4K x 8	4K x 8	4K x 8	4K x 8
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Package / Case	64-LQFP	100-LQFP	100-LQFP	48-LQFP
Oscillator Type	Internal	Internal	Internal	Internal
Supplier Device Package	64-LQFP (10x10)	100-LQFP (14x14)	100-LQFP (14x14)	48-LQFP (7x7)

S9S12G128AMLHR Datasheet PDF

Download S9S12G128AMLHR pdf datasheets and NXP USA Inc. documentation for S9S12G128AMLHR - NXP USA Inc..

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

















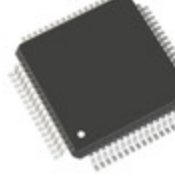

 MC9S12G DS Rev 10/May/2021.pdf

PCN Assembly/Origin

 Assembly Site 15/Dec/2022.pdf

Customers Also Interested in

Recommended Products

					
S9S12G128ACLL NXP USA Inc. IC MCU 16BIT 128KB FLASH 100LQFP	S9S12G128AMLLR NXP USA Inc. IC MCU 16BIT 128KB FLASH 100LQFP	S9S12G128AVLFR NXP USA Inc. IC MCU 16BIT 128KB FLASH 48LQFP	S9S12G128ACLFR NXP USA Inc. IC MCU 16BIT 128KB FLASH 48LQFP	S9S12G128CLF Freescale / NXP Semiconductors	S9S12G128AVLH NXP USA Inc. IC MCU 16BIT 128KB FLASH 64LQFP
					
S9S12G128F0CLF NXP USA Inc. IC MCU 16BIT 128KB FLASH 48LQFP	S9S12G128ACLH NXP USA Inc. IC MCU 16BIT 128KB FLASH 64LQFP	S9S12DT12F1MPVE NXP USA Inc. IC MCU 16BIT 128KB FLASH 112LQFP	S9S12G128AVLL NXP USA Inc. IC MCU 16BIT 128KB FLASH 100LQFP	S9S12G128CLH Freescale / NXP Semiconductors	S9S12G128ACLHR NXP USA Inc. IC MCU 16BIT 128KB FLASH 64LQFP
					
S9S12G128ACLF NXP USA Inc. IC MCU 16BIT 128KB FLASH 48LQFP	S9S12G128AMLL NXP USA Inc. IC MCU 16BIT 128KB FLASH 100LQFP	S9S12G128AVLF NXP USA Inc. IC MCU 16BIT 128KB FLASH 48LQFP	S9S12G128AMLF NXP USA Inc. IC MCU 16BIT 128KB FLASH 48LQFP	S9S12G128AMLH NXP USA Inc. IC MCU 16BIT 128KB FLASH 64LQFP	S9S12DT12F1CPVER 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 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

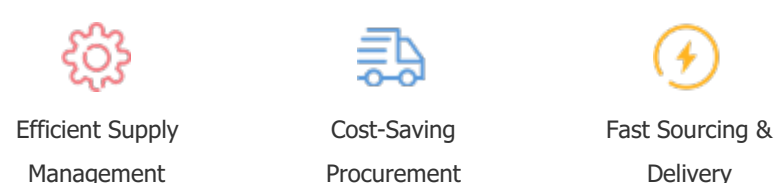
Note: The above table is for reference only. There may have some data bias for the uncontrollable factors.
Contact us if you have any questions.

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 -



Contact us if you have any questions.



Certifications & Memberships



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