



Image may be representation.
See specifications for product details.



S9S12XS256J0VAL

Manufacturer Part Number	S9S12XS256J0VAL
Manufacturer	NXP Semiconductors
Allelco Part Number	32D-S9S12XS256J0VAL
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC MCU 16BIT 256KB FLASH 112LQFP
Package	112-LQFP
Data sheet	MC9S12XS256 Manual.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

S9S12XS256J0VAL - NXP USA Inc..New Original in Stock. Download Linear Technology S9S12XS256J0VAL datasheet/specifications on AllelcoElec.com. Request a quote for S9S12XS256J0VAL, please send us email: info@allelco.com

Specifications

S9S12XS256J0VAL Tech Specifications
S9S12XS256J0VAL - NXP USA Inc. technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	NXP Semiconductors	Oscillator Type	External
Voltage - Supply (Vcc/Vdd)	1.72V ~ 5.5V	Operating Temperature	-40°C ~ 105°C (TA)
Supplier Device Package	112-LQFP (20x20)	Number of I/O	91
Speed	40MHz	Mounting Type	Surface Mount
Series	HCS12X	EEPROM Size	-
RAM Size	12K x 8	Data Converters	A/D 16x12b
Program Memory Type	FLASH	Core Size	16-Bit
Program Memory Size	256KB (256K x 8)	Core Processor	HCS12X
Peripherals	LVD, POR, PWM, WDT	Connectivity	CANbus, SCI, SPI
Package / Case	112-LQFP	Base Product Number	S9S12
Package	Tray		

Parts with Similar Specifications

The three parts on the right have similar specifications to NXP USA Inc. S9S12XS256J0VAL

Product Attribute				
Part Number	S9S12XS256J0VAL	S9S12XS64J1VAAR	S9S12XS256J0VAA	S9S12XS64J1CAE
Manufacturer	NXP USA Inc.	Freescal Semiconductor	NXP USA Inc.	NXP USA Inc.
Oscillator Type	External	External	External	External
Program Memory Size	256KB (256K x 8)	64KB (64K x 8)	256KB (256K x 8)	64KB (64K x 8)
Number of I/O	91	59	59	44
Connectivity	CANbus, SCI, SPI	CANbus, SCI, SPI	CANbus, SCI, SPI	CANbus, SCI, SPI
Data Converters	A/D 16x12b	A/D 8x8/10/12b	A/D 8x12b	A/D 8x12b
Series	HCS12X	HCS12	HCS12X	HCS12X
Operating Temperature	-40°C ~ 105°C (TA)	-40°C ~ 105°C (TA)	-40°C ~ 105°C (TA)	-40°C ~ 85°C (TA)
Core Processor	HCS12X	S12	HCS12X	HCS12X
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Voltage - Supply (Vcc/Vdd)	1.72V ~ 5.5V	1.72V ~ 1.98V	1.72V ~ 5.5V	1.72V ~ 5.5V
Peripherals	LVD, POR, PWM, WDT	LVD, POR, PWM, WDT	LVD, POR, PWM, WDT	LVD, POR, PWM, WDT
Base Product Number	S9S12	S9S12	S9S12	S9S12
RAM Size	12K x 8	4K x 8	12K x 8	4K x 8
EEPROM Size	-	4K x 8	-	-
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Core Size	16-Bit	16-Bit	16-Bit	16-Bit
Supplier Device Package	112-LQFP (20x20)	80-QFP (14x14)	80-QFP (14x14)	64-LQFP (10x10)
Package / Case	112-LQFP	80-QFP	80-QFP	64-LQFP
Package	Tray	Bulk	Tray	Tray
Speed	40MHz	40MHz	40MHz	40MHz

S9S12XS256J0VAL Datasheet PDF

Download S9S12XS256J0VAL pdf datasheets and NXP USA Inc. documentation for S9S12XS256J0VAL - NXP USA Inc..

Datasheets

[MC9S12XS256 Manual.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

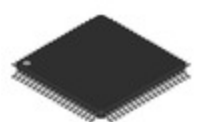


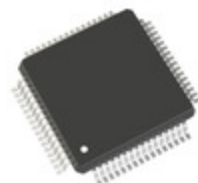











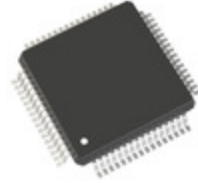
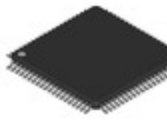

PCN Design/Specification

 Mult Dev 25/May/2020.pdf

 Trace Marking Removal 20/Jun/2019.pdf

Customers Also Interested in

Recommended Products

					
S9S12XS64J1VAAR Freescale Semiconductor MICROCONTROLLER, 16-BIT, HCS12 C	S9S12ZVH128VLL Freescale / NXP Semiconductors	S9S12XS256J0VAA NXP USA Inc. IC MCU 16BIT 256KB FLASH 80QFP	S9S12XS64J1CAE NXP USA Inc. IC MCU 16BIT 64KB FLASH 64LQFP	S9S12XS256J0MAL NXP USA Inc. IC MCU 16BIT 256KB FLASH 112LQFP	S9S12XS64J1CAA Freescale / NXP Semiconductors
					
S9S12XS256J0CAAR NXP USA Inc. IC MCU 16BIT 256KB FLASH 80QFP	S9S12ZVL12F0VLC Freescale / NXP Semiconductors	S9S12ZVL16F0CLC NXP USA Inc. IC MCU 16BIT 32KB FLASH 32LQFP	S9S12XS256J0VAE NXP USA Inc. IC MCU 16BIT 256KB FLASH 64LQFP	S9S12XS64J1CAE Freescale Semiconductor IC MCU 16BIT 64KB FLASH 64LQFP	S9S12XS256J0CAL NXP USA Inc. IC MCU 16BIT 256KB FLASH 112LQFP
					
S9S12ZVL12F0CLC Freescale / NXP Semiconductors	S9S12XS256J0MALR NXP USA Inc. IC MCU 16BIT 256KB FLASH 112LQFP	S9S12XS256J0MAA NXP USA Inc. IC MCU 16BIT 256KB FLASH 80QFP	S9S12XS256J0MAE NXP USA Inc. IC MCU 16BIT 256KB FLASH 64LQFP	S9S12XS256J0CAA Freescale Semiconductor IC MCU 16BIT 256KB FLASH 80QFP	S9S12XS256J0CAER NXP USA Inc. IC MCU 16BIT 256KB FLASH 64LQFP

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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Certifications & Memberships



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