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See specifications for product details.



S9S12HZ128J3VAL

Manufacturer Part Number	S9S12HZ128J3VAL
Manufacturer	NXP Semiconductors
Allelco Part Number	32D-S9S12HZ128J3VAL
ECAD Model	Request Free CAD Models
Parts Description	IC MCU 16BIT 128KB FLASH 112LQFP
Package	112-LQFP
Data sheet	MC9S12HZ256 Family.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

S9S12HZ128J3VAL - NXP USA Inc..New Original in Stock. Download Linear Technology S9S12HZ128J3VAL datasheet/specifications on AllelcoElec.com.
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Specifications

S9S12HZ128J3VAL Tech Specifications
S9S12HZ128J3VAL - 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)	2.35V ~ 2.75V	Operating Temperature	-40°C ~ 105°C (TA)
Supplier Device Package	112-LQFP (20x20)	Number of I/O	91
Speed	25MHz	Mounting Type	Surface Mount
Series	HCS12	EEPROM Size	2K x 8
RAM Size	6K x 8	Data Converters	A/D 16x10b
Program Memory Type	FLASH	Core Size	16-Bit
Program Memory Size	128KB (128K x 8)	Core Processor	HCS12
Peripherals	LCD, Motor control PWM, POR, PWM, WDT	Connectivity	CANbus, EBI/EMI, I ² C, SCI, SPI
Package / Case	112-LQFP	Base Product Number	S9S12
Package	Bulk		

Parts with Similar Specifications

The three parts on the right have similar specifications to NXP USA Inc. S9S12HZ128J3VAL

Product Attribute				
Part Number	S9S12HZ128J3VAL	S9S12HZ256J3VAL	S9S12P128J0CLH	S9S12HY64J0VLL
Manufacturer	NXP USA Inc.	Freescale Semiconductor	NXP USA Inc.	NXP USA Inc.
Number of I/O	91	91	49	80
Operating Temperature	-40°C ~ 105°C (TA)	-40°C ~ 105°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 105°C (TA)
Speed	25MHz	25MHz	32MHz	32MHz
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Package / Case	112-LQFP	112-LQFP	64-LQFP	100-LQFP
Supplier Device Package	112-LQFP (20x20)	112-LQFP (20x20)	64-LQFP (10x10)	100-LQFP (14x14)
Peripherals	LCD, Motor control PWM, POR, PWM, WDT	LCD, Motor control PWM, POR, PWM, WDT	LVD, POR, PWM, WDT	LCD, Motor control PWM, POR, PWM, WDT
RAM Size	6K x 8	12K x 8	6K x 8	4K x 8
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Package	Bulk	Bulk	Tray	Tray
Voltage - Supply (Vcc/Vdd)	2.35V ~ 2.75V	2.35V ~ 2.75V	1.72V ~ 5.5V	4.5V ~ 5.5V
Series	HCS12	HCS12	HCS12	HCS12
Core Processor	HCS12	HCS12	HCS12	HCS12
EEPROM Size	2K x 8	2K x 8	4K x 8	4K x 8
Core Size	16-Bit	16-Bit	16-Bit	16-Bit
Connectivity	CANbus, EBI/EMI, I ² C, SCI, SPI	CANbus, EBI/EMI, I ² C, SCI, SPI	CANbus, SCI, SPI	CANbus, EBI/EMI, I ² C, IrDA, LINbus, SCI, SPI
Data Converters	A/D 16x10b	A/D 16x10b	A/D 10x12b	A/D 8x10b
Base Product Number	S9S12	S9S12	S9S12	S9S12
Oscillator Type	Internal	Internal	Internal	Internal
Program Memory Size	128KB (128K x 8)	256KB (256K x 8)	128KB (128K x 8)	64KB (64K x 8)

S9S12HZ128J3VAL Datasheet PDF

Download S9S12HZ128J3VAL pdf datasheets and NXP USA Inc. documentation for S9S12HZ128J3VAL - NXP USA Inc..

Datasheets


[MC9S12HZ256 Family.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


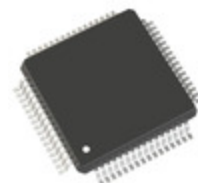

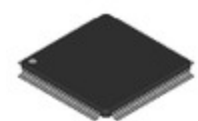

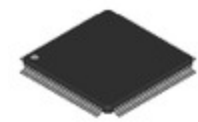


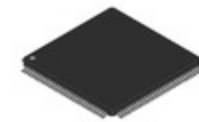
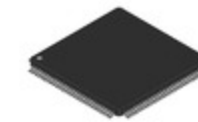




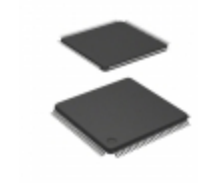
 NXP USA Inc RoHS Cert.pdf

PCN Design/Specification

 Cylindrical Battery Holders.pdf

Customers Also Interested in

Recommended Products

					
S9S12HZ256J3VAL Freescale Semiconductor IC MCU 16BIT 256KB FLASH 112LQFP	S9S12P128J0CLH NXP USA Inc. IC MCU 16BIT 128KB FLASH 64LQFP	S9S12HY64J0VLL NXP USA Inc. IC MCU 16BIT 64KB FLASH 100LQFP	S9S12HY64J0MLL Freescale Semiconductor IC MCU 16BIT 64KB FLASH 100LQFP	S9S12HY64J0MLL NXP USA Inc. IC MCU 16BIT 64KB FLASH 100LQFP	S9S12HZ64J3VAL Freescale Semiconductor MICROCONTROLLER, 16-BIT, FLASH,
					
S9S12HY64MLL Freescale / NXP Semiconductors	S9S12HY64J0VLL Freescale Semiconductor IC MCU 16BIT 64KB FLASH 100LQFP	S9S12P128J0CQK NXP USA Inc. IC MCU 16BIT 128KB FLASH 80LQFP	S9S12HZ128J3VAL Freescale Semiconductor IC MCU 16BIT 128KB FLASH 112LQFP	S9S12HZ256J3CAL Freescale Semiconductor MICROCONTROLLER, 16 BIT, HCS12 C	S9S12HZ128J3CAL Freescale Semiconductor IC MCU 16BIT 128KB FLASH 112LQFP
					
S9S12KG25J2MPVER NXP USA Inc. IC MCU 16BIT 256KB FLASH 112LQFP	S9S12HZ256J3VALR Freescale Semiconductor MICROCONTROLLER, 16 BIT, HCS12 C	S9S12P128J0CLH Freescale Semiconductor IC MCU 16BIT 128KB FLASH 64LQFP	S9S12HZ256J3VAL NXP USA Inc. IC MCU 16BIT 256KB FLASH 112LQFP	S9S12HY64VLL Freescale / NXP Semiconductors	S9S12HZ128J3CAL NXP USA Inc. IC MCU 16BIT 128KB FLASH 112LQFP

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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