



Image may be representation.
See specifications for product details.



S912ZVMC12F1MKH

Manufacturer Part Number **S912ZVMC12F1MKH**

Manufacturer **NXP Semiconductors**

Allelco Part Number **32D-S912ZVMC12F1MKH**

ECAD Model [Request Free CAD Models](#)

Parts Description **IC MCU 16BIT 128KB FLASH 64LQFP**

Package **64-LQFP Exposed Pad**

Data sheet **[S12ZVM Family Fact Sheet.pdf](#)**

[MC9S12ZVM-Family Ref Manual.pdf](#)

RoHs Status **ROHS3 Compliant**

Get a Quote

S912ZVMC12F1MKH - NXP USA Inc..New Original in Stock. Download Linear Technology S912ZVMC12F1MKH datasheet/specifications on AllelcoElec.com.
Request a quote for S912ZVMC12F1MKH, please send us email: info@allelco.com

Specifications

S912ZVMC12F1MKH Tech Specifications
S912ZVMC12F1MKH - 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)	3.5V ~ 40V	Operating Temperature	-40°C ~ 125°C (TA)
Supplier Device Package	64-HLQFP (10x10)	Number of I/O	31
Speed	50MHz	Mounting Type	Surface Mount
Series	S12 MagniV	EEPROM Size	512 x 8
RAM Size	8K x 8	Data Converters	A/D 9x12b
Program Memory Type	FLASH	Core Size	16-Bit
Program Memory Size	128KB (128K x 8)	Core Processor	S12Z
Peripherals	DMA, POR, PWM, WDT	Connectivity	CANbus, SCI, SPI
Package / Case	64-LQFP Exposed Pad	Base Product Number	S912
Package	Tray		

Parts with Similar Specifications

The three parts on the right have similar specifications to NXP USA Inc. S912ZVMC12F1MKH

Product Attribute				
Part Number	S912ZVMC12F1MKH	S912ZVMB44F0VLF	S912ZVMB44F0VLF	S912ZVMAL3F0MLC
Manufacturer	NXP USA Inc.	NXP USA Inc.	NXP USA Inc.	NXP USA Inc.
EEPROM Size	512 x 8	512 x 8	512 x 8	128 x 8
Program Memory Size	128KB (128K x 8)	48KB (48K x 8)	48KB (48K x 8)	32KB (32K x 8)
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Core Size	16-Bit	16-Bit	16-Bit	16-Bit
Peripherals	DMA, POR, PWM, WDT	DMA, LVD, POR, PWM, WDT	DMA, LVD, POR, PWM, WDT	PWM, WDT
Series	S12 MagniV	S12 MagniV	S12 MagniV	S12 MagniV
RAM Size	8K x 8	4K x 8	4K x 8	2K x 8
Package / Case	64-LQFP Exposed Pad	48-LQFP	48-LQFP	32-LQFP
Oscillator Type	Internal	Internal	Internal	Internal
Base Product Number	S912	S912	S912	S912
Data Converters	A/D 9x12b	A/D 5x10b	A/D 5x10b	A/D 4x10b
Connectivity	CANbus, SCI, SPI	LINbus, SCI, SPI	LINbus, SCI, SPI	LINbus, SCI, SPI
Speed	50MHz	32MHz	32MHz	32MHz
Operating Temperature	-40°C ~ 125°C (TA)	-40°C ~ 105°C (TA)	-40°C ~ 105°C (TA)	-40°C ~ 125°C (TA)
Number of I/O	31	15	15	10
Package	Tray	Tray	Tape & Reel (TR)	Tray
Supplier Device Package	64-HLQFP (10x10)	48-LQFP (7x7)	48-LQFP (7x7)	32-LQFP (7x7)
Core Processor	S12Z	S12Z	S12Z	S12Z
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Voltage - Supply (Vcc/Vdd)	3.5V ~ 40V	3.5V ~ 40V	3.5V ~ 40V	3.5V ~ 20V

S912ZVMC12F1MKH Datasheet PDF

Download S912ZVMC12F1MKH pdf datasheets and NXP USA Inc. documentation for S912ZVMC12F1MKH - NXP USA Inc..

Datasheets

[S12ZVM Family Fact Sheet.pdf](#)

[MC9S12ZVM-Family Ref 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 Obsolescence/ EOL



EOL 02/Feb/2017.pdf

Customers Also Interested in

Recommended Products



S912ZVMB4F0VLF

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



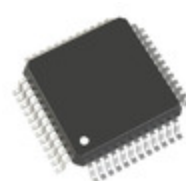
S912ZVMB4F0VLF

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



S912ZVMAL3F0MLC

NXP USA Inc.
IC MCU 16BIT 32KB FLASH 32LQFP



S912ZVMAL3F0MLF

NXP USA Inc.
IC MCU 16BIT 32KB FLASH 48LQFP



S912ZVLA64F0CLC

NXP USA Inc.
IC MCU 16BIT 64KB FLASH 32LQFP



S912ZVMB4F0MLH

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



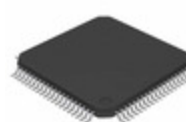
S912ZVMC12F3MKHR

NXP USA Inc.
IC MCU 16BIT 128KB FLASH 64LQFP



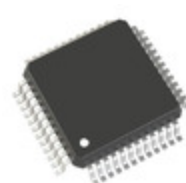
S912ZVMC12F3WKH

NXP USA Inc.
IC MCU 16BIT 128KB FLASH 64LQFP



S912ZVMC25F1MCK

NXP USA Inc.
IC MCU 16BIT 256KB FLASH 80TQFP



S912ZVMB4F0MLF

NXP USA Inc.
IC MCU 16BIT 64KB FLASH 48LQFP



S912ZVLA96CLC

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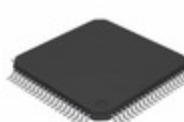
S912ZVMC12F1WKH

NXP USA Inc.
IC MCU 16BIT 128KB FLASH 64LQFP



S912ZVMAL3F0WLF

NXP USA Inc.
IC MCU 16BIT 32KB FLASH 48LQFP



S912ZVMC25F1WKK

NXP USA Inc.
IC MCU 16BIT 256KB FLASH 80TQFP



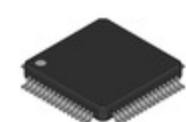
S912ZVLA64F0MLF

NXP USA Inc.
IC MCU 16BIT 64KB FLASH 48LQFP



S912ZVMC12F3MKH

NXP USA Inc.
IC MCU 16BIT 128KB FLASH 64LQFP



S912ZVMC12F1MKH

Freescale Semiconductor
IC MCU 16BIT 128KB FLASH 64LQFP



S912ZVMC12WKH

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 -



Efficient Supply
Management



Cost-Saving
Procurement



Fast Sourcing &
Delivery

Contact us if you have any questions.



Phone

+00852 9146 4856



Email

info@allelco.com

Certifications & Memberships



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