

Image may be representation.
See specifications for product details.



S912XEP100W1MAL

Manufacturer Part Number	S912XEP100W1MAL
Manufacturer	Freescale Semiconductor, Inc. (NXP Semiconductors)
Allelco Part Number	32D-S912XEP100W1MAL
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC MCU 16BIT 1MB FLASH 112LQFP
Package	112-LQFP
Data sheet	S912XEP100W1MAL.pdf

Get a Quote

S912XEP100W1MAL - Freescale Semiconductor. New Original in Stock. Download Linear Technology S912XEP100W1MAL datasheet/specifications on AllelcoElec.com.
Request a quote for S912XEP100W1MAL, please send us email: info@allelco.com

Specifications

S912XEP100W1MAL Tech Specifications
S912XEP100W1MAL - Freescale Semiconductor technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Freescale Semiconductor, Inc. (NXP Semiconductors)	Oscillator Type	External
Voltage - Supply (Vcc/Vdd)	1.72V ~ 5.5V	Operating Temperature	-40°C ~ 125°C (TA)
Supplier Device Package	112-LQFP (20x20)	Number of I/O	91
Speed	50MHz	Mounting Type	Surface Mount
Series	HCS12X	EEPROM Size	4K x 8
RAM Size	64K x 8	Data Converters	A/D 16x12b
Program Memory Type	FLASH	Core Size	16-Bit
Program Memory Size	1MB (1M x 8)	Core Processor	HCS12X
Peripherals	LVD, POR, PWM, WDT	Connectivity	CANbus, EBI/EMI, I ² C, IrDA, SCI, SPI
Package / Case	112-LQFP	Base Product Number	S912
Package	Bulk		

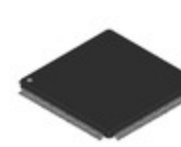
Parts with Similar Specifications

The three parts on the right have similar specifications to Freescale Semiconductor S912XEP100W1MAL

Product Attribute				
Part Number	S912XEP100W1MAL	S912XEQ384F1MALR	S912XEQ384F1CAG	S912XEP100W1MAG
Manufacturer	Freescale Semiconductor	NXP USA Inc.	NXP USA Inc.	Freescale Semiconductor
Operating Temperature	-40°C ~ 125°C (TA)	-40°C ~ 125°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 125°C (TA)
Series	HCS12X	HCS12X	HCS12X	HCS12X
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Package / Case	112-LQFP	112-LQFP	144-LQFP	144-LQFP
Speed	50MHz	50MHz	50MHz	50MHz
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Oscillator Type	External	External	External	External
EEPROM Size	4K x 8	4K x 8	4K x 8	4K x 8
Supplier Device Package	112-LQFP (20x20)	112-LQFP (20x20)	144-LQFP (20x20)	144-LQFP (20x20)
Data Converters	A/D 16x12b	A/D 16x12b	A/D 24x12b	A/D 24x12b
RAM Size	64K x 8	24K x 8	24K x 8	64K x 8
Core Size	16-Bit	16-Bit	16-Bit	16-Bit
Program Memory Size	1MB (1M x 8)	384KB (384K x 8)	384KB (384K x 8)	1MB (1M x 8)
Number of I/O	91	91	119	119
Connectivity	CANbus, EBI/EMI, I ² C, IrDA, SCI, SPI	CANbus, EBI/EMI, I ² C, IrDA, SCI, SPI	CANbus, EBI/EMI, I ² C, IrDA, SCI, SPI	CANbus, EBI/EMI, I ² C, IrDA, SCI, SPI
Voltage - Supply (Vcc/Vdd)	1.72V ~ 5.5V	1.72V ~ 5.5V	1.72V ~ 5.5V	1.72V ~ 5.5V
Core Processor	HCS12X	HCS12X	HCS12X	HCS12X
Peripherals	LVD, POR, PWM, WDT	LVD, POR, PWM, WDT	LVD, POR, PWM, WDT	LVD, POR, PWM, WDT
Package	Bulk	Tape & Reel (TR)	Tray	Bulk
Base Product Number	S912	S912	S912	S912

Customers Also Interested in

Recommended Products



S912XEQ384F1MALR

S912XEP100MAL

S912XEQ384F1CAG

S912XEP100W1MAG

S912XEP100W1MALR

S912XEP100J5MALR

NXP USA Inc.
IC MCU 16BIT 384KB FLASH
112LQFP

Freescale / NXP Semiconductors

NXP USA Inc.
IC MCU 16BIT 384KB FLASH
144LQFP

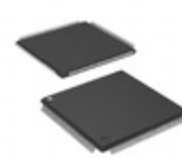
Freescale Semiconductor
IC MCU 16BIT 1MB FLASH 144LQFP

NXP USA Inc.
IC MCU 16BIT 1MB FLASH 112LQFP

NXP USA Inc.
IC MCU 16BIT 1MB FLASH 112LQFP

**S912XEP100J5MAL**

NXP USA Inc.
IC MCU 16BIT 1MB FLASH 112LQFP

**S912XEQ384F1CAGR**

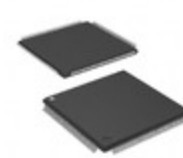
NXP USA Inc.
IC MCU 16BIT 384KB FLASH 144LQFP

**S912XEQ384F1MAL**

NXP USA Inc.
IC MCU 16BIT 384KB FLASH 112LQFP

**S912XEQ384F1MAL**

Freescale Semiconductor
IC MCU 16BIT 384KB FLASH 112LQFP

**S912XEP100W1MAG**

NXP USA Inc.
IC MCU 16BIT 1MB FLASH 144LQFP

**S912XEP100J5VAGR**

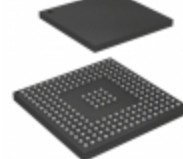
NXP USA Inc.
IC MCU 16BIT 1MB FLASH 144LQFP

**S912XEP100J5MAG**

NXP USA Inc.
IC MCU 16BIT 1MB FLASH 144LQFP

**S912XEP100W1MALR**

Freescale Semiconductor
IC MCU 16BIT 1MB FLASH 112LQFP

**S912XEP100J5CVL**

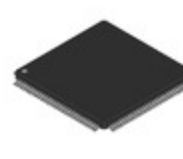
NXP USA Inc.
IC MCU 16BIT 1MB FLASH 208MAPBGA

**S912XEP100W1MAL**

NXP USA Inc.
IC MCU 16BIT 1MB FLASH 112LQFP

**S912XEP768W1MAGR**

NXP USA Inc.
IC MCU 16BIT 768KB FLASH 144LQFP

**S912XEP100J5MAL**

Freescale Semiconductor
IC MCU 16BIT 1MB 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.



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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