

Image may be representation.
See specifications for product details.



MC9S12XHZ256VAG

Manufacturer Part Number	MC9S12XHZ256VAG
Manufacturer	Freescale Semiconductor, Inc. (NXP Semiconductors)
Allelco Part Number	32D-MC9S12XHZ256VAG
ECAD Model	Request Free CAD Models
Parts Description	IC MCU 16BIT 256KB FLASH 144LQFP
Package	144-LQFP
Data sheet	MC9S12XHZ256VAG.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

MC9S12XHZ256VAG - Freescale Semiconductor. New Original in Stock. Download Linear Technology MC9S12XHZ256VAG datasheet/specifications on AllelcoElec.com. Request a quote for MC9S12XHZ256VAG, please send us email: info@allelco.com

Specifications

MC9S12XHZ256VAG Tech Specifications
MC9S12XHZ256VAG - 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)	2.35V ~ 5.5V	Operating Temperature	-40°C ~ 105°C (TA)
Supplier Device Package	144-LQFP (20x20)	Number of I/O	117
Speed	80MHz	Mounting Type	Surface Mount
Series	HCS12X	EEPROM Size	4K x 8
RAM Size	16K x 8	Data Converters	A/D 16x10b
Program Memory Type	FLASH	Core Size	16-Bit
Program Memory Size	256KB (256K x 8)	Core Processor	HCS12X
Peripherals	LCD, Motor control PWM, POR, PWM, WDT	Connectivity	CANbus, EBI/EMI, I ² C, LINbus, SCI, SPI
Package / Case	144-LQFP	Base Product Number	MC9S12
Package	Bulk		

Parts with Similar Specifications

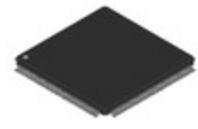
The three parts on the right have similar specifications to Freescale Semiconductor MC9S12XHZ256VAG

Product Attribute				
Part Number	MC9S12XHZ256VAG	MC9S12XS128MAA	MC9S12XHZ256VAG	MC9S12XHZ256CAG
Manufacturer	Freescale Semiconductor	Freescale Semiconductor	NXP USA Inc.	NXP USA Inc.
Number of I/O	117	59	117	117
Data Converters	A/D 16x10b	A/D 8x12b	A/D 16x8/10b	A/D 16x8/10b
Oscillator Type	External	External	External	External
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Core Processor	HCS12X	HCS12X	HCS12X	HCS12X
Series	HCS12X	HCS12X	HCS12X	HCS12X
Peripherals	LCD, Motor control PWM, POR, PWM, WDT	LVD, POR, PWM, WDT	LCD, Motor control PWM, POR, PWM, WDT	LCD, Motor control PWM, POR, PWM, WDT
Program Memory Size	256KB (256K x 8)	128KB (128K x 8)	256KB (256K x 8)	256KB (256K x 8)
Operating Temperature	-40°C ~ 105°C (TA)	-40°C ~ 125°C (TA)	-40°C ~ 105°C (TA)	-40°C ~ 85°C (TA)
Base Product Number	MC9S12	MC9S12	MC9S12	MC9S12
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Speed	80MHz	40MHz	80MHz	80MHz
Package / Case	144-LQFP	80-QFP	144-LQFP	144-LQFP
EEPROM Size	4K x 8	-	4K x 8	4K x 8
Package	Bulk	Bulk	Tray	Tray
Supplier Device Package	144-LQFP (20x20)	80-QFP (14x14)	144-LQFP (20x20)	144-LQFP (20x20)
Voltage - Supply (Vcc/Vdd)	2.35V ~ 5.5V	1.72V ~ 5.5V	2.35V ~ 5.5V	2.35V ~ 5.5V
RAM Size	16K x 8	8K x 8	16K x 8	16K x 8
Core Size	16-Bit	16-Bit	16-Bit	16-Bit
Connectivity	CANbus, EBI/EMI, I ² C, LINbus, SCI, SPI	CANbus, SCI, SPI	CANbus, EBI/EMI, I ² C, LINbus, SCI, SPI	CANbus, EBI/EMI, I ² C, LINbus, SCI, SPI

Customers Also Interested in

Recommended Products

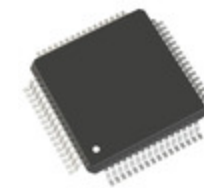
MC9S12XS128MAA	MC9S12XS128CAA	MC9S12XET512MAG	MC9S12XHZ256VAG	MC9S12XHZ256CAG	MC9S12XF512MLM
Freescale Semiconductor IC MCU 16BIT 128KB FLASH 80QFP	Freescale / NXP Semiconductors	Freescale / NXP Semiconductors	NXP USA Inc. IC MCU 16BIT 256KB FLASH 144LQFP	NXP USA Inc. IC MCU 16BIT 256KB FLASH 144LQFP	NXP USA Inc. IC MCU 16BIT 512KB FLASH 112LQFP

**MC9S12XS128MAA**NXP USA Inc.
IC MCU 16BIT 128KB FLASH 80QFP**MC9S12XHZ256CAG**Freescale Semiconductor
IC MCU 16BIT 256KB FLASH 144LQFP**MC9S12XF384MLM**

Freescale / NXP Semiconductors

**MC9S12XHZ512VAG**

Freescale / NXP Semiconductors

**MC9S12XF512MLH**NXP USA Inc.
IC MCU 16BIT 512KB FLASH 64LQFP**MC9S12XHZ512VAG 1M80F**

NA

**MC9S12XS128MAE**Freescale Semiconductor
IC MCU 16BIT 128KB FLASH 64LQFP**MC9S12XET512VAL**

Freescale / NXP Semiconductors

**MC9S12XET256VAL**

Freescale / NXP Semiconductors

**MC9S12XHZ512VAL**

Freescale / NXP Semiconductors

**MC9S12XHZ512CAG**NXP USA Inc.
IC MCU 16BIT 512KB FLASH 144LQFP**MC9S12XET256VAG 2M53J**

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

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Email

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Certifications & Memberships



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