



Image may be representation.
See specifications for product details.



MC9S12C32MFAE16

Manufacturer Part Number	MC9S12C32MFAE16
Manufacturer	NXP Semiconductors
Allelco Part Number	32D-MC9S12C32MFAE16
ECAD Model	Request Free CAD Models
Parts Description	IC MCU 16BIT 32KB FLASH 48LQFP
Package	48-LQFP
Data sheet	MC9S12C,GC Family.pdf MC9S12C32 Fact Sheet.pdf MC9S12C32 Prod Brief.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

MC9S12C32MFAE16 - NXP USA Inc..New Original in Stock. Download Linear Technology MC9S12C32MFAE16 datasheet/specifications on AllelcoElec.com.
Request a quote for MC9S12C32MFAE16, please send us email: info@allelco.com

Specifications

MC9S12C32MFAE16 Tech Specifications
MC9S12C32MFAE16 - 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 ~ 5.5V	Operating Temperature	-40°C ~ 125°C (TA)
Supplier Device Package	48-LQFP (7x7)	Number of I/O	31
Speed	16MHz	Mounting Type	Surface Mount
Series	HCS12	EEPROM Size	-
RAM Size	2K x 8	Data Converters	A/D 8x10b
Program Memory Type	FLASH	Core Size	16-Bit
Program Memory Size	32KB (32K x 8)	Core Processor	HCS12
Peripherals	POR, PWM, WDT	Connectivity	CANbus, EBI/EMI, SCI, SPI
Package / Case	48-LQFP	Base Product Number	MC9S12
Package	Tray		

Parts with Similar Specifications

The three parts on the right have similar specifications to NXP USA Inc. MC9S12C32MFAE16

Product Attribute				
Part Number	MC9S12C32MFAE16	MC9S12C32CFUE25	MC9S12C32MFUE16	MC9S12C32MFAE25
Manufacturer	NXP USA Inc.	NXP USA Inc.	NXP USA Inc.	NXP USA Inc.
Base Product Number	MC9S12	MC9S12	MC9S12	MC9S12
EEPROM Size	-	-	-	-
RAM Size	2K x 8	2K x 8	2K x 8	2K x 8
Core Processor	HCS12	HCS12	HCS12	HCS12
Program Memory Size	32KB (32K x 8)	32KB (32K x 8)	32KB (32K x 8)	32KB (32K x 8)
Supplier Device Package	48-LQFP (7x7)	80-QFP (14x14)	80-QFP (14x14)	48-LQFP (7x7)
Voltage - Supply (Vcc/Vdd)	2.35V ~ 5.5V	2.35V ~ 5.5V	2.35V ~ 5.5V	2.35V ~ 5.5V
Connectivity	CANbus, EBI/EMI, SCI, SPI	CANbus, EBI/EMI, SCI, SPI	CANbus, EBI/EMI, SCI, SPI	CANbus, EBI/EMI, SCI, SPI
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Speed	16MHz	25MHz	16MHz	25MHz
Oscillator Type	Internal	Internal	Internal	Internal
Operating Temperature	-40°C ~ 125°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 125°C (TA)	-40°C ~ 125°C (TA)
Package	Tray	Tray	Tray	Tray
Peripherals	POR, PWM, WDT	POR, PWM, WDT	POR, PWM, WDT	POR, PWM, WDT
Number of I/O	31	60	60	31
Series	HCS12	HCS12	HCS12	HCS12
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Data Converters	A/D 8x10b	A/D 8x10b	A/D 8x10b	A/D 8x10b
Core Size	16-Bit	16-Bit	16-Bit	16-Bit
Package / Case	48-LQFP	80-QFP	80-QFP	48-LQFP

MC9S12C32MFAE16 Datasheet PDF

Download MC9S12C32MFAE16 pdf datasheets and NXP USA Inc. documentation for MC9S12C32MFAE16 - NXP USA Inc..

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


HTML Datasheet

 MC9S12C,GC Family.pdf

 MC9S12C32 Fact Sheet.pdf

 MC9S12C32 Prod Brief.pdf

PCN Assembly/Origin

 2.73KHz.pdf

PCN Design/Specification

 Trace Marking Removal 20/Jun/2019.pdf

Customers Also Interested in

Recommended Products



MC9S12C32CFUE25

NXP USA Inc.
IC MCU 16BIT 32KB FLASH 80QFP



MC9S12C32MFUE16

NXP USA Inc.
IC MCU 16BIT 32KB FLASH 80QFP



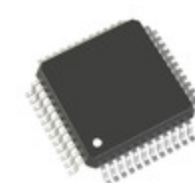
MC9S12C32MFAE25

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



MC9S12C32MPBE16

NXP USA Inc.
IC MCU 16BIT 32KB FLASH 52TQFP



MC9S12C32CFAE25

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



MC9S12C32MFUE25

NXP USA Inc.
IC MCU 16BIT 32KB FLASH 80QFP



MC9S12C32MPBE16

Freescale Semiconductor
IC MCU 16BIT 32KB FLASH 52TQFP



MC9S12C32CFAE25

Freescale Semiconductor
IC MCU 16BIT 32KB FLASH 48LQFP



MC9S12C32MPBE25

NXP USA Inc.
IC MCU 16BIT 32KB FLASH 52TQFP



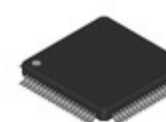
MC9S12C32CFU25

Freescale / NXP Semiconductors



MC9S12C32MFAE25

Freescale Semiconductor
IC MCU 16BIT 32KB FLASH 48LQFP



MC9S12C32MFUE16

Freescale Semiconductor
IC MCU 16BIT 32KB FLASH 80QFP



MC9S12C32MPBE25

Freescale Semiconductor
IC MCU 16BIT 32KB FLASH 52TQFP



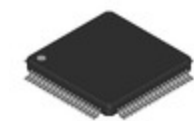
MC9S12C32MFAE16

Freescale Semiconductor
IC MCU 16BIT 32KB FLASH 48LQFP



MC9S12C32CPBE25

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MC9S12C32CFUE16

NXP USA Inc.
IC MCU 16BIT 32KB FLASH 80QFP

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 Alleco 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@alleco.com

Certifications & Memberships



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