



Image may be representation.
See specifications for product details.



MC9S12D64MFUE

Manufacturer Part Number	MC9S12D64MFUE
Manufacturer	NXP Semiconductors
Allelco Part Number	32D-MC9S12D64MFUE
ECAD Model	Request Free CAD Models
Parts Description	IC MCU 16BIT 64KB FLASH 80QFP
Package	80-QFP
Data sheet	Cylindrical Battery Holders.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

MC9S12D64MFUE - NXP USA Inc..New Original in Stock. Download Linear Technology MC9S12D64MFUE datasheet/specifications on AllelcoElec.com.
Request a quote for MC9S12D64MFUE, please send us email: info@allelco.com

Specifications

MC9S12D64MFUE Tech Specifications

MC9S12D64MFUE - 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 ~ 5.25V	Operating Temperature	-40°C ~ 125°C (TA)
Supplier Device Package	80-QFP (14x14)	Number of I/O	59
Speed	25MHz	Mounting Type	Surface Mount
Series	HCS12	EEPROM Size	1K x 8
RAM Size	4K x 8	Data Converters	A/D 16x10b
Program Memory Type	FLASH	Core Size	16-Bit
Program Memory Size	64KB (64K x 8)	Core Processor	HCS12
Peripherals	PWM, WDT	Connectivity	CANbus, I ² C, SCI, SPI
Package / Case	80-QFP	Base Product Number	MC9S12
Package	Tray		

Parts with Similar Specifications

The three parts on the right have similar specifications to NXP USA Inc. MC9S12D64MFUE

Product Attribute				
Part Number	MC9S12D64MFUE	MC9S12D64CPVE	MC9S12D64VFUE	MC9S12D64VPVE
Manufacturer	NXP USA Inc.	NXP USA Inc.	NXP USA Inc.	Freescale Semiconductor
Core Size	16-Bit	16-Bit	16-Bit	16-Bit
Operating Temperature	-40°C ~ 125°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 105°C (TA)	-40°C ~ 105°C (TA)
Number of I/O	59	91	59	91
Peripherals	PWM, WDT	PWM, WDT	PWM, WDT	PWM, WDT
RAM Size	4K x 8	4K x 8	4K x 8	4K x 8
Package	Tray	Tray	Tray	Bulk
EEPROM Size	1K x 8	1K x 8	1K x 8	1K x 8
Voltage - Supply (Vcc/Vdd)	2.35V ~ 5.25V	2.35V ~ 5.25V	2.35V ~ 5.25V	2.35V ~ 5.25V
Base Product Number	MC9S12	MC9S12	MC9S12	MC9S12
Supplier Device Package	80-QFP (14x14)	112-LQFP (20x20)	80-QFP (14x14)	112-LQFP (20x20)
Connectivity	CANbus, I ² C, SCI, SPI	CANbus, I ² C, SCI, SPI	CANbus, I ² C, SCI, SPI	CANbus, I ² C, SCI, SPI
Speed	25MHz	25MHz	25MHz	25MHz
Oscillator Type	Internal	Internal	Internal	Internal
Data Converters	A/D 16x10b	A/D 16x10b	A/D 16x10b	A/D 8x10b
Program Memory Size	64KB (64K x 8)	64KB (64K x 8)	64KB (64K x 8)	64KB (64K x 8)
Core Processor	HCS12	HCS12	HCS12	HCS12
Package / Case	80-QFP	112-LQFP	80-QFP	112-LQFP
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Series	HCS12	HCS12	HCS12	HCS12

MC9S12D64MFUE Datasheet PDF

Download MC9S12D64MFUE pdf datasheets and NXP USA Inc. documentation for MC9S12D64MFUE - NXP USA Inc..

Datasheets

[Cylindrical Battery Holders.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

 Mult Dev 25/May/2020.pdf

 Trace Marking Removal 20/Jun/2019.pdf

Customers Also Interested in

Recommended Products



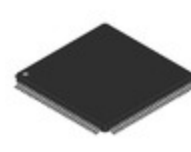
MC9S12D64CPVE

NXP USA Inc.
IC MCU 16BIT 64KB FLASH 112LQFP



MC9S12D64VFUE

NXP USA Inc.
IC MCU 16BIT 64KB FLASH 80QFP



MC9S12D64VPVE

Freescale Semiconductor
IC MCU 16BIT 64KB FLASH 112LQFP



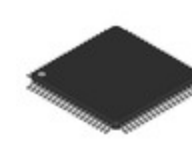
MC9S12D64MPVE

NXP USA Inc.
IC MCU 16BIT 64KB FLASH 112LQFP



MC9S12D64CFUE

NXP USA Inc.
IC MCU 16BIT 64KB FLASH 80QFP



MC9S12D32VFUE

Freescale Semiconductor
IC MCU 16BIT 32KB FLASH 80QFP



MC9S12D64VPVE

NXP USA Inc.
IC MCU 16BIT 64KB FLASH 112LQFP



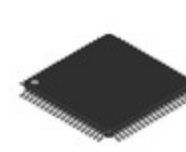
MC9S12DB128BCPV

NXP USA Inc.
IC MCU 16BIT 128KB FLASH 112LQFP



MC9S12D64MPV

NXP USA Inc.
IC MCU 16BIT 64KB FLASH 112LQFP



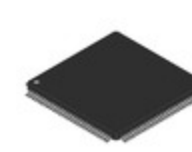
MC9S12D64VFUE

Freescale Semiconductor
IC MCU 16BIT 64KB FLASH 80QFP



MC9S12D32MFUE

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



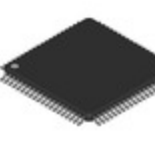
MC9S12D64MPVE

Freescale Semiconductor
IC MCU 16BIT 64KB FLASH 112LQFP



MC9S12D64VFU

NXP USA Inc.
IC MCU 16BIT 64KB FLASH 80QFP



MC9S12D64VFU

Motorola
IC MCU 16BIT 64KB FLASH 80QFP



MC9S12D64MFU

NXP USA Inc.
IC MCU 16BIT 64KB FLASH 80QFP



MC9S12D64CFU

NXP USA Inc.
IC MCU 16BIT 64KB FLASH 80QFP



MC9S12D32VFUE

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



MC9S12D64MFUE

Freescale Semiconductor
IC MCU 16BIT 64KB 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 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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