

Image may be representation.
See specifications for product details.

MC9S12A128CPV

Manufacturer Part Number	MC9S12A128CPV
Manufacturer	Motorola
Allelco Part Number	32D-MC9S12A128CPV
ECAD Model	Request Free CAD Models
Parts Description	IC MCU 16BIT 128KB FLASH 112LQFP
Package	112-LQFP
Data sheet	MC9S12A128CPV.pdf

Get a Quote

MC9S12A128CPV - Motorola.New Original in Stock. Download Linear Technology MC9S12A128CPV datasheet/specifications on AllelcoElec.com.
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Specifications

MC9S12A128CPV Tech Specifications

MC9S12A128CPV - Motorola technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Motorola	Oscillator Type	Internal
Voltage - Supply (Vcc/Vdd)	2.35V ~ 5.25V	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package	112-LQFP (20x20)	Number of I/O	91
Speed	25MHz	Mounting Type	Surface Mount
Series	HCS12	EEPROM Size	2K x 8
RAM Size	4K x 8	Data Converters	A/D 16x10b
Program Memory Type	FLASH	Core Size	16-Bit
Program Memory Size	128KB (128K x 8)	Core Processor	HCS12
Peripherals	PWM, WDT	Connectivity	I ² C, SCI, SPI
Package / Case	112-LQFP	Base Product Number	MC9S12
Package	Bulk		

Parts with Similar Specifications

The three parts on the right have similar specifications to Motorola MC9S12A128CPV

Product Attribute				
Part Number	MC9S12A128CPV	MC9S08SV16CLC	MC9S12A256MPVE	MC9S12A256CPVE
Manufacturer	Motorola	Freescale Semiconductor	Freescale Semiconductor	NXP USA Inc.
Core Size	16-Bit	8-Bit	16-Bit	16-Bit
Core Processor	HCS12	S08	HCS12	HCS12
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Peripherals	PWM, WDT	LVD, POR, PWM, WDT	PWM, WDT	PWM, WDT
Program Memory Size	128KB (128K x 8)	16KB (16K x 8)	256KB (256K x 8)	256KB (256K x 8)
Package / Case	112-LQFP	32-LQFP	112-LQFP	112-LQFP
Speed	25MHz	40MHz	25MHz	25MHz
Supplier Device Package	112-LQFP (20x20)	32-LQFP (7x7)	112-LQFP (20x20)	112-LQFP (20x20)
Voltage - Supply (Vcc/Vdd)	2.35V ~ 5.25V	2.7V ~ 5.5V	2.35V ~ 5.25V	2.35V ~ 5.25V
Number of I/O	91	30	91	91
Base Product Number	MC9S12	MC9S08	MC9S12	MC9S12
Series	HCS12	S08	HCS12	HCS12
Connectivity	I ² C, SCI, SPI	I ² C, LINbus, SCI, SPI	I ² C, SCI, SPI	I ² C, SCI, SPI
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C	-40°C ~ 125°C (TA)	-40°C ~ 85°C (TA)
EEPROM Size	2K x 8	-	4K x 8	4K x 8
Oscillator Type	Internal	Internal	Internal	Internal
RAM Size	4K x 8	1K x 8	12K x 8	12K x 8
Data Converters	A/D 16x10b	A/D 12x10b	A/D 8x10b	A/D 8x10b
Package	Bulk	Bulk	Bulk	Tray
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount

Customers Also Interested in

Recommended Products



MC9S08SQ4AMDTE
Freescale / NXP Semiconductors

MC9S08SV16CLC
Freescale Semiconductor
IC MCU 8BIT 16KB FLASH 32LQFP

MC9S12A256MPVE
Freescale Semiconductor
IC MCU 16BIT 256KB FLASH 112LQFP

MC9S12A256CCFU
Freescale / NXP Semiconductors

MC9S12A256CPVE
NXP USA Inc.
IC MCU 16BIT 256KB FLASH 112LQFP

MC9S12A256CCFU 2K79X
Freescale / NXP Semiconductors

**MC9S08SH8MWJ**

NXP USA Inc.
IC MCU 8BIT 8KB FLASH 20SOIC

**MC9S12A256MPVE**

NXP USA Inc.
IC MCU 16BIT 256KB FLASH 112LQFP

**MC9S12A128BCPV**

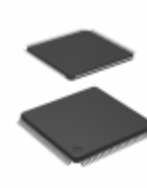
NXP USA Inc.
IC MCU 16BIT 128KB FLASH 112LQFP

**MC9S08SV16CLC**

NXP Semiconductors
IC MCU 8BIT 16KB FLASH 32LQFP

**MC9S08SH8MTJ**

Freescale Semiconductor
IC MCU 8BIT 8KB FLASH 20TSSOP

**MC9S12A128CPVE**

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

**MC9S12A32CFUE**

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

**MC9S08SQ4ACDTE**

Freescale / NXP Semiconductors

**MC9S12A128BCPV**

Freescale Semiconductor
IC MCU 16BIT 128KB FLASH 112LQFP

**MC9S08SH8MTJR**

NXP USA Inc.
IC MCU 8BIT 8KB FLASH 20TSSOP

**MC9S08SL8CTJ**

NXP USA Inc.
IC MCU 8BIT 8KB FLASH 20TSSOP

**MC9S12A256BCPV**

NXP USA Inc.
IC MCU 16BIT 256KB 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
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Certifications & Memberships



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