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See specifications for product details.



MC9S12DT256MFUE

Manufacturer Part Number	MC9S12DT256MFUE
Manufacturer	Freescale Semiconductor, Inc. (NXP Semiconductors)
Allelco Part Number	32D-MC9S12DT256MFUE
ECAD Model	Request Free CAD Models
Parts Description	IC MCU 16BIT 256KB FLASH 80QFP
Package	80-QFP
Data sheet	MC9S12DT256MFUE.pdf

Get a Quote

MC9S12DT256MFUE - Freescale Semiconductor.New Original in Stock. Download Linear Technology MC9S12DT256MFUE datasheet/specifications on AllelcoElec.com.
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Specifications

MC9S12DT256MFUE Tech Specifications
MC9S12DT256MFUE - Freescale Semiconductor technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Freescale Semiconductor, Inc. (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	4K x 8
RAM Size	12K x 8	Data Converters	A/D 8x10b
Program Memory Type	FLASH	Core Size	16-Bit
Program Memory Size	256KB (256K x 8)	Core Processor	HCS12
Peripherals	PWM, WDT	Connectivity	CANbus, I ² C, SCI, SPI
Package / Case	80-QFP	Base Product Number	MC9S12
Package	Bulk		

Parts with Similar Specifications

The three parts on the right have similar specifications to Freescale Semiconductor MC9S12DT256MFUE

Product Attribute				
Part Number	MC9S12DT256MFUE	MC9S12DT256CPVE	MC9S12DT128BCPV	MC9S12DT128BMPV
Manufacturer	Freescale Semiconductor	Freescale Semiconductor	Freescale Semiconductor	Motorola
Peripherals	PWM, WDT	PWM, WDT	PWM, WDT	PWM, WDT
Series	HCS12	HCS12	HCS12	HCS12
Operating Temperature	-40°C ~ 125°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 125°C (TA)
Number of I/O	59	91	91	49
Base Product Number	MC9S12	MC9S12	MC9S12	-
Program Memory Size	256KB (256K x 8)	256KB (256K x 8)	128KB (128K x 8)	128KB (128K x 8)
Connectivity	CANbus, I ² C, SCI, SPI	CANbus, I ² C, SCI, SPI	CANbus, I ² C, SCI, SPI	I ² C, SCI, SPI
Oscillator Type	Internal	Internal	Internal	External, Internal
Core Processor	HCS12	HCS12	HCS12	HCS12
Voltage - Supply (Vcc/Vdd)	2.35V ~ 5.25V	2.35V ~ 5.25V	2.35V ~ 5.25V	2.35V ~ 2.75V
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
RAM Size	12K x 8	12K x 8	8K x 8	8K x 8
EEPROM Size	4K x 8	4K x 8	2K x 8	2K x 8
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Package	Bulk	Bulk	Tray	Bulk
Speed	25MHz	25MHz	25MHz	50MHz
Core Size	16-Bit	16-Bit	16-Bit	16-Bit
Supplier Device Package	80-QFP (14x14)	112-LQFP (20x20)	112-LQFP (20x20)	112-LQFP (20x20)
Package / Case	80-QFP	112-LQFP	112-LQFP	112-LQFP
Data Converters	A/D 8x10b	A/D 8x10b	A/D 16x10b	A/D 16x10b

Customers Also Interested in

Recommended Products



MC9S12DT256CPVE
Freescale Semiconductor
IC MCU 16BIT 256KB FLASH
112LQFP



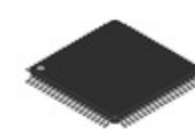
MC9S12DT128BCPV
Freescale Semiconductor
IC MCU 16BIT 128KB FLASH
112LQFP



MC9S12DT128BMPV
Motorola
Microcontroller, 16-Bit, FLASH,



MC9S12DT256VPVE
Freescale Semiconductor
IC MCU 16BIT 256KB FLASH
112LQFP



MC9S12E128CFUE
Freescale Semiconductor
IC MCU 16BIT 128KB FLASH 80QFP



MC9S12DT128BCPV
NXP USA Inc.
IC MCU 16BIT 128KB FLASH
112LQFP

MC9S12DT256CPVE

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

MC9S12DT256MFUE

NXP USA Inc.
IC MCU 16BIT 256KB FLASH 80QFP

MC9S12DT128MPVE

Freescale Semiconductor
IC MCU 16BIT 128KB FLASH
112LQFP

MC9S12E128CPV

Motorola
IC MCU 16BIT 128KB FLASH
112LQFP

MC9S12DT128MPVE

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

MC9S12E256CPVE

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

**MC9S12DT256VPVE**

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

**MC9S12E128CFU**

NXP USA Inc.
IC MCU 16BIT 128KB FLASH 80QFP

**MC9S12E128CFUE**

NXP USA Inc.
IC MCU 16BIT 128KB FLASH 80QFP

**MC9S12E128CPVE**

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

**MC9S12DT256BCPV**

MOTOROLA

**MC9S12E256MFUE**

NXP USA Inc.
IC MCU 16BIT 256KB 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.



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Procurement



Fast Sourcing &
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Contact us if you have any questions.



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Certifications & Memberships



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