

Image may be representation.
See specifications for product details.



S9S12P96J0MFT

Manufacturer Part Number	S9S12P96J0MFT
Manufacturer	NXP Semiconductors
Allelco Part Number	32D-S9S12P96J0MFT
ECAD Model	PCB Footprint and Symbol
Parts Description	IC MCU 16BIT 96KB FLASH 48QFN
Package	48-TFQFN Exposed Pad
Data sheet	MC9S12P128.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

S9S12P96J0MFT - NXP USA Inc..New Original in Stock. Download Linear Technology S9S12P96J0MFT datasheet/specifications on AllelcoElec.com.
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Specifications

S9S12P96J0MFT Tech Specifications
S9S12P96J0MFT - 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)	1.72V ~ 5.5V	Operating Temperature	-40°C ~ 125°C (TA)
Supplier Device Package	48-QFN-EP (7x7)	Number of I/O	34
Speed	32MHz	Mounting Type	Surface Mount
Series	HCS12	EEPROM Size	4K x 8
RAM Size	6K x 8	Data Converters	A/D 10x12b
Program Memory Type	FLASH	Core Size	16-Bit
Program Memory Size	96KB (96K x 8)	Core Processor	HCS12
Peripherals	LVD, POR, PWM, WDT	Connectivity	CANbus, SCI, SPI
Package / Case	48-TFQFN Exposed Pad	Base Product Number	S9S12
Package	Tray		

Parts with Similar Specifications

The three parts on the right have similar specifications to NXP USA Inc. S9S12P96J0MFT

Product Attribute				
Part Number	S9S12P96J0MFT	S9S12P96J0MLH	S9S12P96J0MLH	S9S12VR16F0CLCR
Manufacturer	NXP USA Inc.	NXP USA Inc.	Freescal Semiconductor	NXP USA Inc.
Data Converters	A/D 10x12b	A/D 10x12b	A/D 10x12b	A/D 2x10b
Series	HCS12	HCS12	HCS12	S12 MagniV
Operating Temperature	-40°C ~ 125°C (TA)	-40°C ~ 125°C (TA)	-40°C ~ 125°C (TA)	-40°C ~ 85°C (TA)
Number of I/O	34	49	49	16
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Package	Tray	Tray	Bulk	Tape & Reel (TR)
Base Product Number	S9S12	S9S12	S9S12	S9S12
Package / Case	48-TFQFN Exposed Pad	64-LQFP	64-LQFP	32-LQFP
Core Processor	HCS12	HCS12	HCS12	12V1
Core Size	16-Bit	16-Bit	16-Bit	16-Bit
Connectivity	CANbus, SCI, SPI	CANbus, SCI, SPI	CANbus, SCI, SPI	IrDA, LINbus, SCI, SPI
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Program Memory Size	96KB (96K x 8)	96KB (96K x 8)	96KB (96K x 8)	16KB (16K x 8)
EEPROM Size	4K x 8	4K x 8	4K x 8	128 x 8
Peripherals	LVD, POR, PWM, WDT	LVD, POR, PWM, WDT	LVD, POR, PWM, WDT	LVD, POR, PWM, WDT
Oscillator Type	Internal	Internal	Internal	Internal
RAM Size	6K x 8	6K x 8	6K x 8	2K x 8
Speed	32MHz	32MHz	32MHz	25MHz
Supplier Device Package	48-QFN-EP (7x7)	64-LQFP (10x10)	64-LQFP (10x10)	32-LQFP (7x7)
Voltage - Supply (Vcc/Vdd)	1.72V ~ 5.5V	1.72V ~ 5.5V	1.72V ~ 5.5V	3.13V ~ 5.5V

S9S12P96J0MFT Datasheet PDF

Download S9S12P96J0MFT pdf datasheets and NXP USA Inc. documentation for S9S12P96J0MFT - NXP USA Inc..

Datasheets

[MC9S12P128.pdf](#)

PCN Packaging

[All Dev Label Update 15/Dec/2020.pdf](#)

[Mult Dev Pkg Seal 15/Dec/2020.pdf](#)

Environmental Information



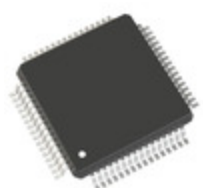
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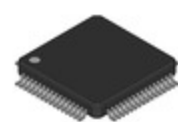
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NXP USA Inc.
IC MCU 16BIT 96KB FLASH 64LQFP



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Freescale Semiconductor
IC MCU 16BIT 96KB FLASH 64LQFP



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S9S12VR16F0CLCR

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



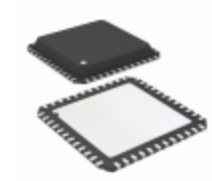
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NXP USA Inc.
IC MCU 16BIT 64KB FLASH



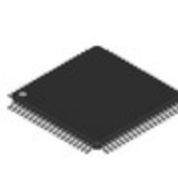
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NXP USA Inc.
IC MCU 16BIT 16KB FLASH 32LQFP



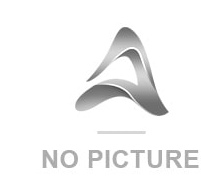
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NXP USA Inc.
IC MCU 16BIT 96KB FLASH 48QFN



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Freescale Semiconductor
IC MCU 16BIT 96KB FLASH 80QFP



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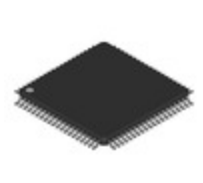
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NXP USA Inc.
IC MCU 16BIT 16KB FLASH 32LQFP



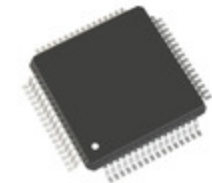
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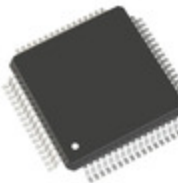
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Freescale Semiconductor
IC MCU 16BIT 96KB FLASH 80QFP



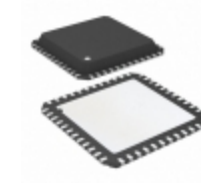
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IC MCU 16BIT 96KB FLASH 64LQFP



S9S12P64J0VLHR

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S9S12P96J0CFTR

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S9S12P96J0CQK

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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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