

Image may be representation.  
See specifications for product details.



## S9S12P32J0VFTR

|                          |                               |
|--------------------------|-------------------------------|
| Manufacturer Part Number | <b>S9S12P32J0VFTR</b>         |
| Manufacturer             | <b>NXP Semiconductors</b>     |
| Allelco Part Number      | 32D-S9S12P32J0VFTR            |
| ECAD Model               | Request Free CAD Models       |
| Parts Description        | IC MCU 16BIT 32KB FLASH 48QFN |
| Package                  | 48-TFQFN Exposed Pad          |
| Data sheet               | S9S12P32J0VFTR.pdf            |
| RoHs Status              | <b>ROHS3 Compliant</b>        |

**Get a Quote**

S9S12P32J0VFTR - NXP USA Inc..New Original in Stock. Download Linear Technology S9S12P32J0VFTR datasheet/specifications on AllelcoElec.com.  
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### Specifications

S9S12P32J0VFTR Tech Specifications

S9S12P32J0VFTR - 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 ~ 105°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                   | 2K x 8               | Data Converters       | A/D 10x12b         |
| Program Memory Type        | FLASH                | Core Size             | 16-Bit             |
| Program Memory Size        | 32KB (32K 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                    | Tape & Reel (TR)     |                       |                    |

### Parts with Similar Specifications

The three parts on the right have similar specifications to NXP USA Inc. S9S12P32J0VFTR

| Product Attribute          |                      |                       |                      |                      |
|----------------------------|----------------------|-----------------------|----------------------|----------------------|
| Part Number                | S9S12P32J0VFTR       | <b>S9S12P32J0MLHR</b> | <b>S9S12P64J0MLH</b> | <b>S9S12P64J0MFT</b> |
| Manufacturer               | NXP USA Inc.         | NXP USA Inc.          | NXP USA Inc.         | NXP USA Inc.         |
| Base Product Number        | S9S12                | S9S12                 | S9S12                | S9S12                |
| Series                     | HCS12                | HCS12                 | HCS12                | HCS12                |
| Core Size                  | 16-Bit               | 16-Bit                | 16-Bit               | 16-Bit               |
| Connectivity               | CANbus, SCI, SPI     | CANbus, SCI, SPI      | CANbus, SCI, SPI     | CANbus, SCI, SPI     |
| Mounting Type              | Surface Mount        | Surface Mount         | Surface Mount        | Surface Mount        |
| Voltage - Supply (Vcc/Vdd) | 1.72V ~ 5.5V         | 1.72V ~ 5.5V          | 1.72V ~ 5.5V         | 1.72V ~ 5.5V         |
| Peripherals                | LVD, POR, PWM, WDT   | LVD, POR, PWM, WDT    | LVD, POR, PWM, WDT   | LVD, POR, PWM, WDT   |
| Speed                      | 32MHz                | 32MHz                 | 32MHz                | 32MHz                |
| Core Processor             | HCS12                | HCS12                 | HCS12                | HCS12                |
| Program Memory Type        | FLASH                | FLASH                 | FLASH                | FLASH                |
| Package                    | Tape & Reel (TR)     | Tape & Reel (TR)      | Tray                 | Tray                 |
| Program Memory Size        | 32KB (32K x 8)       | 32KB (32K x 8)        | 64KB (64K x 8)       | 64KB (64K x 8)       |
| Package / Case             | 48-TFQFN Exposed Pad | 64-LQFP               | 64-LQFP              | 48-TFQFN Exposed Pad |
| Supplier Device Package    | 48-QFN-EP (7x7)      | 64-LQFP (10x10)       | 64-LQFP (10x10)      | 48-QFN-EP (7x7)      |
| EEPROM Size                | 4K x 8               | 4K x 8                | 4K x 8               | 4K x 8               |
| RAM Size                   | 2K x 8               | 2K x 8                | 4K x 8               | 4K x 8               |
| Data Converters            | A/D 10x12b           | A/D 10x12b            | A/D 10x12b           | A/D 10x12b           |
| Oscillator Type            | Internal             | Internal              | Internal             | Internal             |
| Number of I/O              | 34                   | 49                    | 49                   | 34                   |
| Operating Temperature      | -40°C ~ 105°C (TA)   | -40°C ~ 125°C (TA)    | -40°C ~ 125°C (TA)   | -40°C ~ 125°C (TA)   |

### S9S12P32J0VFTR Datasheet PDF

Download S9S12P32J0VFTR pdf datasheets and NXP USA Inc. documentation for S9S12P32J0VFTR - NXP USA Inc..

#### PCN Packaging

All Dev Label Update 15/Dec/2020.pdf

Mult Dev Pkg Seal 15/Dec/2020.pdf

#### Environmental Information


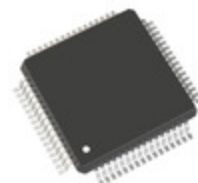
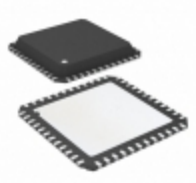
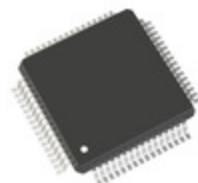






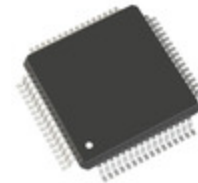


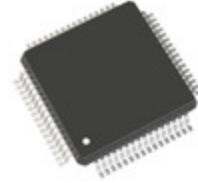
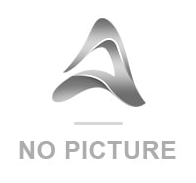



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 COO/Label 15-apr-2022.pdf

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### Recommended Products

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|   |   |   |   |   |   |
| <b>S9S12P32J0MLHR</b><br>NXP USA Inc.<br>IC MCU 16BIT 32KB FLASH 64LQFP            | <b>S9S12P64J0MLH</b><br>NXP USA Inc.<br>IC MCU 16BIT 64KB FLASH 64LQFP             | <b>S9S12P64J0MFT</b><br>NXP USA Inc.<br>IC MCU 16BIT 64KB FLASH 48QFN              | <b>S9S12P128J0VLH</b><br>NXP USA Inc.<br>IC MCU 16BIT 128KB FLASH 64LQFP            | <b>S9S12P128J0MFT</b><br>Freescale Semiconductor<br>IC MCU 16BIT 128KB FLASH 48QFN   | <b>S9S12P56CQK</b><br>NA   |
|   |   |   |   |   |   |
| <b>S9S12P32J0MQK</b><br>NXP USA Inc.<br>IC MCU 16BIT 32KB FLASH 80QFP              | <b>S9S12P128J0VFT</b><br>NXP USA Inc.<br>IC MCU 16BIT 128KB FLASH 48QFN            | <b>S9S12P32J0VFT</b><br>NXP USA Inc.<br>IC MCU 16BIT 32KB FLASH 48QFN              | <b>S9S12P128J0MLH</b><br>NXP USA Inc.<br>IC MCU 16BIT 128KB FLASH 64LQFP            | <b>S9S12P32J0MLH</b><br>NXP USA Inc.<br>IC MCU 16BIT 32KB FLASH 64LQFP               | <b>S9S12P96CQK</b><br>Freescale / NXP Semiconductors                                 |
|  |  |  |  |  |  |
| <b>S9S12P128J0VFT</b><br>Freescale Semiconductor<br>IC MCU 16BIT 128KB FLASH 48QFN | <b>S9S12P64J0VLHR</b><br>NXP USA Inc.<br>IC MCU 16BIT 64KB FLASH 64LQFP            | <b>S9S12P96COK</b><br>NA   | <b>S9S12P128J0MQK</b><br>NXP USA Inc.<br>IC MCU 16BIT 128KB FLASH 80QFP             | <b>S9S12P96CQK 0M01N</b><br>Freescale / NXP Semiconductors                           | <b>S9S12P64J0VLH</b><br>Freescale / NXP Semiconductors                               |

## 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 -

|  |  |   |
|--|--|---|
| <br>Efficient Supply Management | <br>Cost-Saving Procurement | <br>Fast Sourcing & Delivery |
|--|--|---|

Contact us if you have any questions.

|  |  |
|--|--|
| <br>Phone<br>+00852 9146 4856 | <br>Email<br>info@allelco.com |
|--|--|

### Certifications & Memberships



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### Contact us

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