

## S9S12XS256J0CAL

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | S9S12XS256J0CAL                                                                                              |
| Manufacturer/Brand: | NXP Semiconductors / Freescale                                                                               |
| Product description | IC MCU 16BIT 256KB FLASH 112LQFP                                                                             |
| Datasheets:         | <a href="#">1.S9S12XS256J0CAL.pdf</a><br><a href="#">2.S9S12XS256J0CAL.pdf</a>                               |
| RoHs Status         |  Lead free / RoHS Compliant |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

Image may be representation. See specifications for product details.

### Specifications of S9S12XS256J0CAL

|                                  |                                                                                       |
|----------------------------------|---------------------------------------------------------------------------------------|
| PART NUMBER                      | S9S12XS256J0CAL                                                                       |
| MANUFACTURER                     | NXP Semiconductors / Freescale                                                        |
| DESCRIPTION                      | IC MCU 16BIT 256KB FLASH 112LQFP                                                      |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                            |
| DATA SHEET                       | <a href="#">1.S9S12XS256J0CAL.pdf</a><br><a href="#">2.S9S12XS256J0CAL.pdf</a>        |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.72 V ~ 5.5 V                                                                        |
| SUPPLIER DEVICE PACKAGE          | 112-LQFP (20x20)                                                                      |
| SPEED                            | 40MHz                                                                                 |
| SERIES                           | HCS12X                                                                                |
| RAM SIZE                         | 12K x 8                                                                               |
| PROGRAM MEMORY TYPE              | FLASH                                                                                 |
| PROGRAM MEMORY SIZE              | 256KB (256K x 8)                                                                      |
| PERIPHERALS                      | LVD, POR, PWM, WDT                                                                    |
| PACKAGING                        | Tray                                                                                  |
| PACKAGE / CASE                   | 112-LQFP                                                                              |
| OTHER NAMES                      | 568-14271<br>935315271557<br>S9S12XS256J0CAL-ND                                       |
| OSCILLATOR TYPE                  | External                                                                              |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                                     |
| NUMBER OF I/O                    | 91                                                                                    |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                         |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                            |
| EEPROM SIZE                      | -                                                                                     |
| DETAILED DESCRIPTION             | HCS12X HCS12X Microcontroller IC 16-Bit 40MHz 256KB (256K x 8) FLASH 112-LQFP (20x20) |
| DATA CONVERTERS                  | A/D 16x12b                                                                            |
| CORE SIZE                        | 16-Bit                                                                                |
| CORE PROCESSOR                   | HCS12X                                                                                |
| CONNECTIVITY                     | CANbus, SCI, SPI                                                                      |
| BASE PART NUMBER                 | S9S12XS256                                                                            |

### Related Tags

|                                                |                                         |                                                    |
|------------------------------------------------|-----------------------------------------|----------------------------------------------------|
| NXP Semiconductors / Freescale S9S12XS256J0CAL | S9S12XS256J0CAL Distributor             | S9S12XS256J0CAL Supplier                           |
| S9S12XS256J0CAL Price                          | S9S12XS256J0CAL Pictures                | S9S12XS256J0CAL Image                              |
| S9S12XS256J0CAL PDF Datasheet                  | S9S12XS256J0CAL Download Datasheet      | S9S12XS256J0CAL Datasheet                          |
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| NXP Semiconductors / Freescale S9S12XS256J0CAL | NXP Semiconductors S9S12XS256J0CAL      | Freescale S9S12XS256J0CAL                          |
| Freescale Semiconductor - NXP S9S12XS256J0CAL  | NXP USA Inc. S9S12XS256J0CAL            |                                                    |

### Related Products

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|  <div><b>S9S12XS256J0MAAR</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 16BIT 256KB FLASH 80QFP<br/>In stock: Out stock<br/><b>RFQ</b></div>  |  <div><b>S9S12XS256J0CAA</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 16BIT 256KB FLASH 80QFP<br/>In stock: Out stock<br/><b>RFQ</b></div>   |
|  <div><b>S9S12XS256J0MAA</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 16BIT 256KB FLASH 80QFP<br/>In stock: Out stock<br/><b>RFQ</b></div>   |  <div><b>S9S12XS256J0CALR</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: 16-BIT MCU S12X CORE 256KB FLA<br/>In stock: Out stock<br/><b>RFQ</b></div>  |
|  <div><b>S9S12XS256J0MAE</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 16BIT 256KB FLASH 64LQFP<br/>In stock: Out stock<br/><b>RFQ</b></div>  |  <div><b>S9S12XS256J0CAE</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 16BIT 256KB FLASH 64LQFP<br/>In stock: Out stock<br/><b>RFQ</b></div>  |
|  <div><b>S9S12XS256J0CAAR</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: 16-BIT MCU S12X CORE 256KB FLA<br/>In stock: Out stock<br/><b>RFQ</b></div>  |  <div><b>S9S12XS256J0MAL</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 16BIT 256KB FLASH 112LQFP<br/>In stock: Out stock<br/><b>RFQ</b></div> |
|  <div><b>S9S12XS128J1VAE</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: 16-BIT MCU S12X CORE 128KB FLA<br/>In stock: Out stock<br/><b>RFQ</b></div>   |  <div><b>S9S12XS256J0CAER</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: 16-BIT MCU S12X CORE 256KB FLA<br/>In stock: Out stock<br/><b>RFQ</b></div>  |
|  <div><b>S9S12XS128J1VAER</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 16BIT 128KB FLASH 64LQFP<br/>In stock: Out stock<br/><b>RFQ</b></div> |  <div><b>S9S12XS256J0MAER</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: 16-BIT MCU S12X CORE 256KB FLA<br/>In stock: Out stock<br/><b>RFQ</b></div>  |