



Image may be representation. See specifications for product details.

**S912XEQ512J3CAL**

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | S912XEQ512J3CAL                                                                                              |
| Manufacturer/Brand: | NXP Semiconductors / Freescale                                                                               |
| Product description | IC MCU 16BIT 512KB FLASH 112LQFP                                                                             |
| Datasheets:         |                                                                                                              |
| RoHS Status         |  Lead free / RoHS Compliant |
| Stock Condition     | 6590 pcs stock                                                                                               |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

## REQUEST FOR QUOTATION

## Specifications of S912XEQ512J3CAL

|                                  |                                                                                       |
|----------------------------------|---------------------------------------------------------------------------------------|
| PART NUMBER                      | S912XEQ512J3CAL                                                                       |
| MANUFACTURER                     | NXP Semiconductors / Freescale                                                        |
| DESCRIPTION                      | IC MCU 16BIT 512KB FLASH 112LQFP                                                      |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                            |
| QUANTITY AVAILABLE               | 6590 pcs                                                                              |
| DATA SHEET                       |                                                                                       |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.72 V ~ 5.5 V                                                                        |
| SUPPLIER DEVICE PACKAGE          | 112-LQFP (20x20)                                                                      |
| SPEED                            | 50MHz                                                                                 |
| SERIES                           | HCS12X                                                                                |
| RAM SIZE                         | 32K x 8                                                                               |
| PROGRAM MEMORY TYPE              | FLASH                                                                                 |
| PROGRAM MEMORY SIZE              | 512KB (512K x 8)                                                                      |
| PERIPHERALS                      | LVD, POR, PWM, WDT                                                                    |
| PACKAGING                        | Tray                                                                                  |
| PACKAGE / CASE                   | 112-LQFP                                                                              |
| 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                      | 4K x 8                                                                                |
| DETAILED DESCRIPTION             | HCS12X HCS12X Microcontroller IC 16-Bit 50MHz 512KB (512K x 8) FLASH 112-LQFP (20x20) |
| DATA CONVERTERS                  | A/D 16x12b                                                                            |
| CORE SIZE                        | 16-Bit                                                                                |
| CORE PROCESSOR                   | HCS12X                                                                                |
| CONNECTIVITY                     | CANbus, EBI/EMI, I²C, IrDA, SCI, SPI                                                  |
| BASE PART NUMBER                 | S912XEQ512                                                                            |

## Related Tags

|                               |                                    |                           |
|-------------------------------|------------------------------------|---------------------------|
| S912XEQ512J3CAL               | S912XEQ512J3CAL Distributor        | S912XEQ512J3CAL Supplier  |
| S912XEQ512J3CAL Price         | S912XEQ512J3CAL Pictures           | S912XEQ512J3CAL Image     |
| S912XEQ512J3CAL PDF Datasheet | S912XEQ512J3CAL Download Datasheet | S912XEQ512J3CAL Datasheet |
| S912XEQ512J3CAL Stock         | Buy S912XEQ512J3CAL                | Buy S912XEQ512J3CAL       |
| S912XEQ512J3CAL               | Supplier                           | Distributor               |

## Related Products

|                                                                                                                    |                  |                                                                                           |  |                   |                                                                                           |
|--------------------------------------------------------------------------------------------------------------------|------------------|-------------------------------------------------------------------------------------------|--|-------------------|-------------------------------------------------------------------------------------------|
|                                                                                                                    | S912XEQ512J2CALR | Manufacturers: NXP<br>Description: 16-BIT MCU S12X CORE 512KB FLA<br>In stock: 8840 pcs   |  | S912XEQ512J3MAL   | Manufacturers: NXP<br>Description: IC MCU 16BIT 512KB FLASH 112LQFP<br>In stock: 4392 pcs |
|                                                                                                                    |                  | RFQ                                                                                       |  |                   | RFQ                                                                                       |
|                                                                                                                    |                  |                                                                                           |  | S912XEQ512J2MAAR  | Manufacturers: NXP<br>Description: 16-BIT MCU S12X CORE 512KB FLA<br>In stock: 5010 pcs   |
|                                                                                                                    |                  |                                                                                           |  |                   | RFQ                                                                                       |
| S912XEQ512J3MAAR                                                                                                   |                  | S912XEQ512J2CAL                                                                           |  | S912XEQ512J3CAARR | Manufacturers: NXP<br>Description: 16-BIT MCU S12X CORE 512KB FLA<br>In stock: 8843 pcs   |
| Manufacturers: NXP Semiconductors / Freescale<br>Description: 16-BIT MCU S12X CORE 512KB FLA<br>In stock: 7859 pcs |                  | Manufacturers: NXP<br>Description: 16-BIT MCU S12X CORE 512KB FLA<br>In stock: 7707 pcs   |  |                   | RFQ                                                                                       |
|                                                                                                                    |                  | RFQ                                                                                       |  |                   |                                                                                           |
|                                                                                                                    |                  |                                                                                           |  | S912XEQ512J3CAGR  | Manufacturers: NXP<br>Description: IC MCU 16BIT 512KB FLASH 144LQFP<br>In stock: 8041 pcs |
|                                                                                                                    |                  |                                                                                           |  |                   | RFQ                                                                                       |
| S912XEQ512J2MAAR                                                                                                   |                  | S912XEQ512J3MAG                                                                           |  | S912XEQ512J3MALRR | Manufacturers: NXP<br>Description: 16-BIT MCU S12X CORE 512KB FLA<br>In stock: 7409 pcs   |
| Manufacturers: NXP Semiconductors / Freescale<br>Description: 16-BIT MCU S12X CORE 512KB FLA<br>In stock: 7149 pcs |                  | Manufacturers: NXP<br>Description: IC MCU 16BIT 512KB FLASH 144LQFP<br>In stock: 5506 pcs |  |                   | RFQ                                                                                       |
|                                                                                                                    |                  | RFQ                                                                                       |  |                   |                                                                                           |
|                                                                                                                    |                  |                                                                                           |  | S912XEQ512J3MAAR  | Manufacturers: NXP<br>Description: IC MCU 16BIT 512KB FLASH 80QFP<br>In stock: 5512 pcs   |
|                                                                                                                    |                  |                                                                                           |  |                   | RFQ                                                                                       |
| S912XEQ512J3MAGR                                                                                                   |                  |                                                                                           |  |                   |                                                                                           |
| Manufacturers: NXP Semiconductors / Freescale<br>Description: 16-BIT MCU S12X CORE 512KB FLA<br>In stock: 7347 pcs |                  |                                                                                           |  |                   |                                                                                           |
| RFQ                                                                                                                |                  |                                                                                           |  |                   |                                                                                           |