



NXP Semiconductors / Freescale



Image may be representation. See specifications for product details.

S912XEP100BCAGR

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | S912XEP100BCAGR                                                                                              |
| Manufacturer/Brand: | NXP Semiconductors / Freescale                                                                               |
| Product description | IC MCU 16BIT 1MB FLASH 144LQFP                                                                               |
| Datasheets:         |                                                                                                              |
| RoHs Status         |  Lead free / RoHS Compliant |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

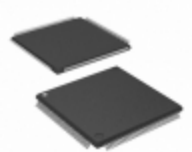
Specifications of S912XEP100BCAGR

|                                  |                                                                                   |
|----------------------------------|-----------------------------------------------------------------------------------|
| PART NUMBER                      | S912XEP100BCAGR                                                                   |
| MANUFACTURER                     | NXP Semiconductors / Freescale                                                    |
| DESCRIPTION                      | IC MCU 16BIT 1MB FLASH 144LQFP                                                    |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                        |
| DATA SHEET                       |                                                                                   |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.72 V ~ 5.5 V                                                                    |
| SUPPLIER DEVICE PACKAGE          | 144-LQFP (20x20)                                                                  |
| SPEED                            | 50MHz                                                                             |
| SERIES                           | HCS12X                                                                            |
| RAM SIZE                         | 64K x 8                                                                           |
| PROGRAM MEMORY TYPE              | FLASH                                                                             |
| PROGRAM MEMORY SIZE              | 1MB (1M x 8)                                                                      |
| PERIPHERALS                      | LVD, POR, PWM, WDT                                                                |
| PACKAGING                        | Tape & Reel (TR)                                                                  |
| PACKAGE / CASE                   | 144-LQFP                                                                          |
| OTHER NAMES                      | 935325871528                                                                      |
| OSCILLATOR TYPE                  | External                                                                          |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                                 |
| NUMBER OF I/O                    | 119                                                                               |
| 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 1MB (1M x 8) FLASH 144-LQFP (20x20) |
| DATA CONVERTERS                  | A/D 24x12b                                                                        |
| CORE SIZE                        | 16-Bit                                                                            |
| CORE PROCESSOR                   | HCS12X                                                                            |
| CONNECTIVITY                     | CANbus, EBI/EMI, I <sup>2</sup> C, IrDA, SCI, SPI                                 |
| BASE PART NUMBER                 | S912XEP100                                                                        |

Related Tags

|                                                |                                         |                                                    |
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| NXP Semiconductors / Freescale S912XEP100BCAGR | S912XEP100BCAGR Distributor             | S912XEP100BCAGR Supplier                           |
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| Freescale Semiconductor - NXP S912XEP100BCAGR  | NXP USA Inc. S912XEP100BCAGR            |                                                    |

Related Products

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|  <div><b>S912XEG384J3VALR</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: 16-BIT MCU S12X CORE 384KB FLA<br/>In stock: Out stock<br/><div>RFQ</div></div> |  <div><b>S912XEP100BMAG</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 16BIT 1MB FLASH 144LQFP<br/>In stock: Out stock<br/><div>RFQ</div></div>  |
|  <div><b>S912XEP100BVAL</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: 16 BIT 1M FLASH 64K RAM<br/>In stock: Out stock<br/><div>RFQ</div></div>          |  <div><b>S912XEP100BVAGR</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: 16-BIT MCU S12X CORE 1MB FLASH<br/>In stock: Out stock<br/><div>RFQ</div></div> |
|  <div><b>S912XEP100BMAGR</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: 16-BIT MCU S12X CORE 1MB FLASH<br/>In stock: Out stock<br/><div>RFQ</div></div>  |  <div><b>S912XEP100BMALR</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: 16-BIT MCU S12X CORE 1MB FLASH<br/>In stock: Out stock<br/><div>RFQ</div></div> |
|  <div><b>S912XEP100AVAG</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: 16-BIT MCU S12X CORE 1MB FLASH<br/>In stock: Out stock<br/><div>RFQ</div></div>   |  <div><b>S912XEP100AVAGR</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: 16-BIT MCU S12X CORE 1MB FLASH<br/>In stock: Out stock<br/><div>RFQ</div></div> |
|  <div><b>S912XEG384J3CALR</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: 16-BIT MCU S12X CORE 384KB FLA<br/>In stock: Out stock<br/><div>RFQ</div></div> |  <div><b>S912XEP100BCAG</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 16BIT 1MB FLASH 144LQFP<br/>In stock: Out stock<br/><div>RFQ</div></div>  |
|  <div><b>S912XEP100BMAL</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 16BIT 1MB FLASH 112LQFP<br/>In stock: Out stock<br/><div>RFQ</div></div>   |  <div><b>S912XEG384J3VAA</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: 16-BIT MCU S12X CORE 384KB FLA<br/>In stock: Out stock<br/><div>RFQ</div></div> |