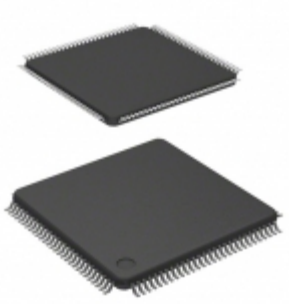


S912XEQ384J3CAL



Part Number: [S912XEQ384J3CAL](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: IC MCU 16BIT 384KB FLASH 112LQFP

Data sheet:  [MC9S12XEP100 Family](#)

RoHs Status: Lead free / RoHS Compliant

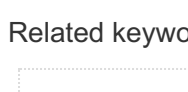
Ship From: Hong Kong

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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                       |                                  |                                                |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|----------------------------------|------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                               | S912XEQ384J3CAL                                                                       | Manufacturer                     | <a href="#">NXP Semiconductors / Freescale</a> |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                               | IC MCU 16BIT 384KB FLASH 112LQFP                                                      | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                     |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                        | 8214 pcs                                                                              | Data sheet                       | <a href="#">MC9S12XEP100 Family</a>            |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                  | <a href="#">Integrated Circuits (ICs)</a>                                             | Voltage - Supply (Vcc/Vdd)       | 1.72 V ~ 5.5 V                                 |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                   | 112-LQFP (20x20)                                                                      | Speed                            | 50MHz                                          |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                    | HCS12X                                                                                | RAM Size                         | 24K x 8                                        |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                       | FLASH                                                                                 | Program Memory Size              | 384KB (384K x 8)                               |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                               | LVD, POR, PWM, WDT                                                                    | Packaging                        | Tray                                           |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                            | 112-LQFP                                                                              | Other Names                      | 935314053557                                   |
| 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 384KB (384K x 8) FLASH 112-LQFP (20x20) | Data Converters                  | A/D 16x12b                                     |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                                                 | 16-Bit                                                                                | Core Processor                   | HCS12X                                         |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                              | CANbus, EBI/EMI, I <sup>2</sup> C, IrDA, SCI, SPI                                     | Base Part Number                 | S912XEQ384                                     |
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|  | Part#: <a href="#">S912XEQ384F1MALR</a><br>Description: 16-BIT MCU S12X CORE 384KB FLA   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">S912XEQ384F1VAL</a><br>Description: IC MCU 16BIT 384KB FLASH 112LQFP  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">S912XEQ384J3VAG</a><br>Description: IC MCU 16BIT 384KB FLASH 144LQFP  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">S912XEQ384F1VALR</a><br>Description: IC MCU 16BIT 384KB FLASH 112LQFP | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">S912XEQ384J3MAL</a><br>Description: 16-BIT MCU S12X CORE 384KB FLA    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">S912XEQ384J3VALR</a><br>Description: 16-BIT MCU S12X CORE 384KB FLA   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">S912XEQ384F1MAGR</a><br>Description: 16-BIT MCU S12X CORE 384KB FLA   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">S912XEQ384F1MAL</a><br>Description: 16-BIT MCU S12X CORE 384KB FLA    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">S912XEQ384J3MAGR</a><br>Description: 16-BIT MCU S12X CORE 384KB FLA   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
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