

NXP Semiconductors / Freescale

MC9S12XEQ384MAL

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | MC9S12XEQ384MAL                                                                                              |
| Manufacturer/Brand: | NXP Semiconductors / Freescale                                                                               |
| Product description | IC MCU 16BIT 384KB FLASH 112LQFP                                                                             |
| Datasheets:         |                                                                                                              |
| RoHs Status         |  Lead free / RoHS Compliant |
| Stock Condition     | 6822 pcs stock                                                                                               |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

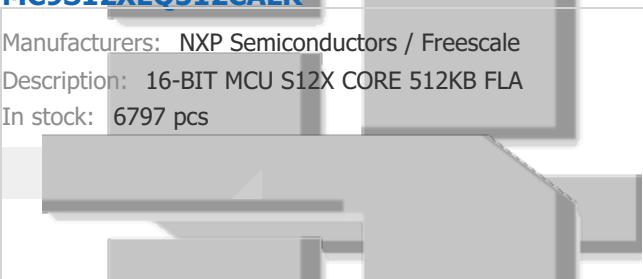
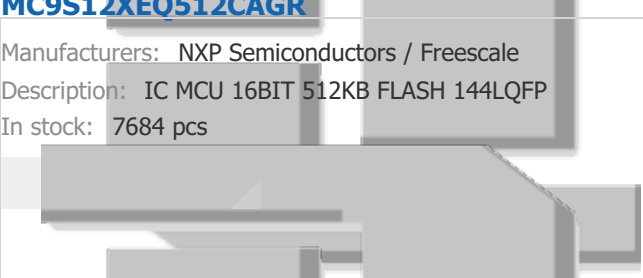
Specifications of MC9S12XEQ384MAL

|                                  |                                                                                       |
|----------------------------------|---------------------------------------------------------------------------------------|
| PART NUMBER                      | MC9S12XEQ384MAL                                                                       |
| MANUFACTURER                     | NXP Semiconductors / Freescale                                                        |
| DESCRIPTION                      | IC MCU 16BIT 384KB FLASH 112LQFP                                                      |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                            |
| QUANTITY AVAILABLE               | 6822 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                         | 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                      | 935325406557                                                                          |
| OSCILLATOR TYPE                  | External                                                                              |
| OPERATING TEMPERATURE            | -40°C ~ 125°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                 | MC9S12XEQ384                                                                          |

Related Tags

|                               |                                    |                           |
|-------------------------------|------------------------------------|---------------------------|
| MC9S12XEQ384MAL               | MC9S12XEQ384MAL Distributor        | MC9S12XEQ384MAL Supplier  |
| MC9S12XEQ384MAL Price         | MC9S12XEQ384MAL Pictures           | MC9S12XEQ384MAL Image     |
| MC9S12XEQ384MAL PDF Datasheet | MC9S12XEQ384MAL Download Datasheet | MC9S12XEQ384MAL Datasheet |
| MC9S12XEQ384MAL Stock         | Buy MC9S12XEQ384MAL                | Buy MC9S12XEQ384MAL       |
| MC9S12XEQ384MAL               | Supplier                           | Distributor               |

Related Products

|                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                         |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <br><b>MC9S12XEQ384MAG</b><br>Manufacturers: NXP<br>Description: IC MCU 16BIT 384KB FLASH 144LQFP<br>In stock: 6858 pcs<br><b>RFQ</b>             | <br><b>MC9S12XEQ384CAG</b><br>Manufacturers: NXP<br>Description: IC MCU 16BIT 384KB FLASH 144LQFP<br>In stock: 8898 pcs<br><b>RFQ</b>               |
| <br><b>MC9S12XEQ512CALR</b><br>Manufacturers: NXP Semiconductors / Freescale<br>Description: 16-BIT MCU S12X CORE 512KB FLA<br>In stock: 6797 pcs | <br><b>MC9S12XEQ512CAG</b><br>Manufacturers: NXP<br>Description: IC MCU 16BIT 512KB FLASH 144LQFP<br>In stock: 5073 pcs<br><b>RFQ</b>               |
| <br><b>MC9S12XEQ384CAL</b><br>Manufacturers: NXP<br>Description: IC MCU 16BIT 384KB FLASH 112LQFP<br>In stock: 6706 pcs<br><b>RFQ</b>             | <br><b>MC9S12XEP768MAG</b><br>Manufacturers: NXP<br>Description: IC MCU 16BIT 768KB FLASH 144LQFP<br>In stock: 4743 pcs<br><b>RFQ</b>               |
| <br><b>MC9S12XEP768MAL</b><br>Manufacturers: NXP<br>Description: IC MCU 16BIT 768KB FLASH 112LQFP<br>In stock: 6167 pcs<br><b>RFQ</b>             | <br><b>MC9S12XEQ384VAG</b><br>Manufacturers: NXP<br>Description: IC MCU 16BIT 384KB FLASH 144LQFP<br>In stock: 5271 pcs<br><b>RFQ</b>               |
| <br><b>MC9S12XEQ512CAA</b><br>Manufacturers: NXP<br>Description: IC MCU 16BIT 512KB FLASH 80QFP<br>In stock: 5872 pcs<br><b>RFQ</b>               | <br><b>MC9S12XEQ512CAGR</b><br>Manufacturers: NXP Semiconductors / Freescale<br>Description: IC MCU 16BIT 512KB FLASH 144LQFP<br>In stock: 7684 pcs |
| <br><b>MC9S12XEP768CAL</b><br>Manufacturers: NXP<br>Description: IC MCU 16BIT 768KB FLASH 112LQFP<br>In stock: 4020 pcs<br><b>RFQ</b>             | <br><b>MC9S12XEQ512CAL</b><br>Manufacturers: NXP<br>Description: IC MCU 16BIT 512KB FLASH 112LQFP<br>In stock: 4991 pcs<br><b>RFQ</b>               |