

NXP Semiconductors / Freescale

MC9S12XEQ512CALR

|                     |                                |
|---------------------|--------------------------------|
| Part Number:        | MC9S12XEQ512CALR               |
| Manufacturer/Brand: | NXP Semiconductors / Freescale |
| Product description | 16-BIT MCU S12X CORE 512KB FLA |
| Datasheets:         |                                |
| Stock Condition     | 6797 pcs stock                 |
| Ship From           | Hong Kong                      |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS          |

REQUEST FOR QUOTATION

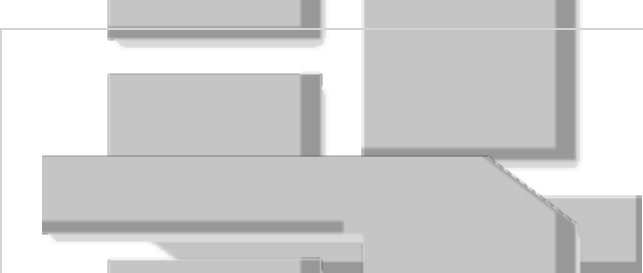
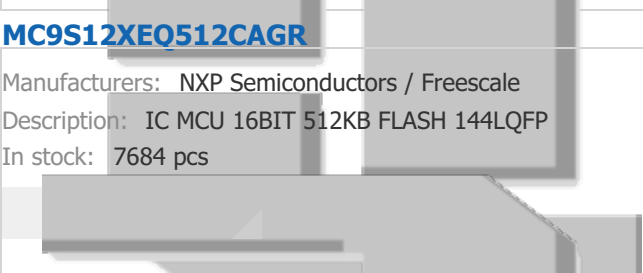
Specifications of MC9S12XEQ512CALR

|                                  |                                                                                       |
|----------------------------------|---------------------------------------------------------------------------------------|
| PART NUMBER                      | MC9S12XEQ512CALR                                                                      |
| MANUFACTURER                     | NXP Semiconductors / Freescale                                                        |
| DESCRIPTION                      | 16-BIT MCU S12X CORE 512KB FLA                                                        |
| LEAD FREE STATUS / ROHS STATUS   |                                                                                       |
| QUANTITY AVAILABLE               | 6797 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                        | Tape & Reel (TR)                                                                      |
| PACKAGE / CASE                   | 112-LQFP                                                                              |
| OTHER NAMES                      | 935324222528                                                                          |
| OSCILLATOR TYPE                  | External                                                                              |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                                     |
| NUMBER OF I/O                    | 91                                                                                    |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                         |
| 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, I <sup>2</sup> C, IrDA, SCI, SPI                                     |

Related Tags

|                                |                                     |                            |
|--------------------------------|-------------------------------------|----------------------------|
| MC9S12XEQ512CALR               | MC9S12XEQ512CALR Distributor        | MC9S12XEQ512CALR Supplier  |
| MC9S12XEQ512CALR Price         | MC9S12XEQ512CALR Pictures           | MC9S12XEQ512CALR Image     |
| MC9S12XEQ512CALR PDF Datasheet | MC9S12XEQ512CALR Download Datasheet | MC9S12XEQ512CALR Datasheet |
| MC9S12XEQ512CALR Stock         | Buy MC9S12XEQ512CALR                | Buy MC9S12XEQ512CALR       |
| MC9S12XEQ512CALR               | Supplier                            | Distributor                |

Related Products

|                                                                                                                                                                                                                                       |                                                                                                                                                                                                                           |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <br><b>MC9S12XET256MAA</b><br>Manufacturers: NXP<br>Description: IC MCU 16BIT 256KB FLASH 80QFP<br>In stock: 7356 pcs<br><b>RFQ</b>                 | <br><b>MC9S12XEQ512MAG</b><br>Manufacturers: NXP<br>Description: IC MCU 16BIT 512KB FLASH 144LQFP<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>MC9S12XEQ512CAL</b><br>Manufacturers: NXP<br>Description: IC MCU 16BIT 512KB FLASH 112LQFP<br>In stock: 4991 pcs<br><b>RFQ</b> |
| <br><b>MC9S12XEQ512MAL</b><br>Manufacturers: NXP<br>Description: IC MCU 16BIT 512KB FLASH 112LQFP<br>In stock: 4133 pcs<br><b>RFQ</b>               | <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>MC9S12XEQ512VAA</b><br>Manufacturers: NXP<br>Description: IC MCU 16BIT 512KB FLASH 80QFP<br>In stock: 5136 pcs<br><b>RFQ</b>                 | <br><b>MC9S12XET256CAG</b><br>Manufacturers: NXP<br>Description: IC MCU 16BIT 256KB FLASH 144LQFP<br>In stock: 8325 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>MC9S12XEQ512MAA</b><br>Manufacturers: NXP<br>Description: IC MCU 16BIT 512KB FLASH 80QFP<br>In stock: 4282 pcs<br><b>RFQ</b>   |
| <br><b>MC9S12XEQ384MAL</b><br>Manufacturers: NXP<br>Description: IC MCU 16BIT 384KB FLASH 112LQFP<br>In stock: 6822 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>   |