

## MC9S12XEQ384CAG



**Part Number:** [MC9S12XEQ384CAG](#)  
**Manufacturer:** [NXP Semiconductors / Freescale](#)  
**Description:** IC MCU 16BIT 384KB FLASH 144LQFP  
**Data sheet:** [MC9S12XEP100, MC9S12XE Datasheet](#)

**RoHS Status:** Lead free / RoHS Compliant  
**Ship From:** Hong Kong  
**Shipment Way:** DHL/Fedex/TNT/UPS/EMS

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### PRODUCT PARAMETER

<b>Part Number</b>	MC9S12XEQ384CAG	<b>Manufacturer</b>	<a href="#">NXP Semiconductors / Freescale</a>
<b>Description</b>	IC MCU 16BIT 384KB FLASH 144LQFP	<b>Lead Free Status / RoHS Status</b>	Lead free / RoHS Compliant
<b>Quantity Available</b>	7612 pcs	<b>Data sheet</b>	<a href="#">MC9S12XEP100, MC9S12XE Datasheet</a>
<b>Category</b>	<a href="#">Integrated Circuits (ICs)</a>	<b>Voltage - Supply (Vcc/Vdd)</b>	1.72 V ~ 5.5 V
<b>Supplier Device Package</b>	144-LQFP (20x20)	<b>Speed</b>	50MHz
<b>Series</b>	HCS12X	<b>RAM Size</b>	24K x 8
<b>Program Memory Type</b>	FLASH	<b>Program Memory Size</b>	384KB (384K x 8)
<b>Peripherals</b>	LVD, POR, PWM, WDT	<b>Packaging</b>	Tray
<b>Package / Case</b>	144-LQFP	<b>Other Names</b>	935316976557
<b>Oscillator Type</b>	External	<b>Operating Temperature</b>	-40°C ~ 85°C (TA)
<b>Number of I/O</b>	119	<b>Moisture Sensitivity Level (MSL)</b>	3 (168 Hours)
<b>Lead Free Status / RoHS Status</b>	Lead free / RoHS Compliant	<b>EEPROM Size</b>	4K x 8
<b>Detailed Description</b>	HCS12X HCS12X Microcontroller IC 16-Bit 50MHz 384KB (384K x 8) FLASH 144-LQFP (20x20)	<b>Data Converters</b>	A/D 24x12b
<b>Core Size</b>	16-Bit	<b>Core Processor</b>	HCS12X
<b>Connectivity</b>	CANbus, EBI/EMI, I <sup>2</sup> C, IrDA, SCI, SPI	<b>Base Part Number</b>	MC9S12XEQ384

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	<b>Part#:</b> <a href="#">MC9S12XEQ384CAL</a> <b>Description:</b> IC MCU 16BIT 384KB FLASH 112LQFP	<b>Manufacturers:</b> <a href="#">NXP Semiconductors / Freescale</a>	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">MC9S12XEQ512CAA</a> <b>Description:</b> IC MCU 16BIT 512KB FLASH 80QFP	<b>Manufacturers:</b> <a href="#">NXP Semiconductors / Freescale</a>	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">MC9S12XEQ512CAGR</a> <b>Description:</b> IC MCU 16BIT 512KB FLASH 144LQFP	<b>Manufacturers:</b> <a href="#">NXP Semiconductors / Freescale</a>	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">MC9S12XEP100CAG</a> <b>Description:</b> IC MCU 16BIT 1MB FLASH 144LQFP	<b>Manufacturers:</b> <a href="#">NXP Semiconductors / Freescale</a>	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">MC9S12XEQ384MAG</a> <b>Description:</b> IC MCU 16BIT 384KB FLASH 144LQFP	<b>Manufacturers:</b> <a href="#">NXP Semiconductors / Freescale</a>	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">MC9S12XEP768CAL</a> <b>Description:</b> IC MCU 16BIT 768KB FLASH 112LQFP	<b>Manufacturers:</b> <a href="#">NXP Semiconductors / Freescale</a>	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">MC9S12XEQ512CAL</a> <b>Description:</b> IC MCU 16BIT 512KB FLASH 112LQFP	<b>Manufacturers:</b> <a href="#">NXP Semiconductors / Freescale</a>	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">MC9S12XEP100CVL</a> <b>Description:</b> IC MCU 16BIT 1MB FLASH 208MAPBGA	<b>Manufacturers:</b> <a href="#">NXP Semiconductors / Freescale</a>	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">MC9S12XEP100MAL</a> <b>Description:</b> IC MCU 16BIT 1MB FLASH 112LQFP	<b>Manufacturers:</b> <a href="#">NXP Semiconductors / Freescale</a>	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">MC9S12XEP100MAG</a> <b>Description:</b> IC MCU 16BIT 1MB FLASH 144LQFP	<b>Manufacturers:</b> <a href="#">NXP Semiconductors / Freescale</a>	<a href="#">RFQ</a>
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	<b>Part#:</b> <a href="#">MC9S12XEQ512CAG</a> <b>Description:</b> IC MCU 16BIT 512KB FLASH 144LQFP	<b>Manufacturers:</b> <a href="#">NXP Semiconductors / Freescale</a>	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">MC9S12XEP768CAG</a> <b>Description:</b> IC MCU 16BIT 768KB FLASH 144LQFP	<b>Manufacturers:</b> <a href="#">NXP Semiconductors / Freescale</a>	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">MC9S12XEQ384MAL</a> <b>Description:</b> IC MCU 16BIT 384KB FLASH 112LQFP	<b>Manufacturers:</b> <a href="#">NXP Semiconductors / Freescale</a>	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">MC9S12XEP100CAL</a> <b>Description:</b> IC MCU 16BIT 1MB FLASH 112LQFP	<b>Manufacturers:</b> <a href="#">NXP Semiconductors / Freescale</a>	<a href="#">RFQ</a>
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	<b>Part#:</b> <a href="#">MC9S12XEP768MAG</a> <b>Description:</b> IC MCU 16BIT 768KB FLASH 144LQFP	<b>Manufacturers:</b> <a href="#">NXP Semiconductors / Freescale</a>	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">MC9S12XEQ384VAG</a> <b>Description:</b> IC MCU 16BIT 384KB FLASH 144LQFP	<b>Manufacturers:</b> <a href="#">NXP Semiconductors / Freescale</a>	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">MC9S12XEQ512CALR</a> <b>Description:</b> 16-BIT MCU S12X CORE 512KB FLA	<b>Manufacturers:</b> <a href="#">NXP Semiconductors / Freescale</a>	<a href="#">RFQ</a>

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