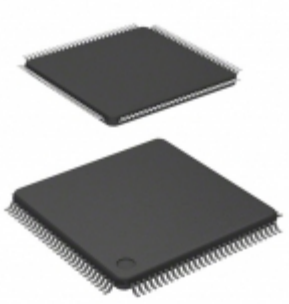


MC9S12XEQ512CAL



Images are for reference only.
See Product Specifications for product details.
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Part Number: [MC9S12XEQ512CAL](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: IC MCU 16BIT 512KB FLASH 112LQFP

Data sheet:  [MC9S12XEP100, MC9S12XE Datasheet](#)

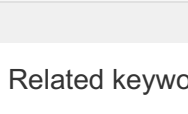
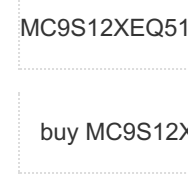
RoHs Status: Lead free / RoHS Compliant

Ship From: Hong Kong

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PRODUCT PARAMETER			
Part Number	MC9S12XEQ512CAL	Manufacturer	NXP Semiconductors / Freescale
Description	IC MCU 16BIT 512KB FLASH 112LQFP	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	8138 pcs	Data sheet	MC9S12XEP100, MC9S12XE Datasheet
Category	Integrated Circuits (ICs)	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	Tray
Package / Case	112-LQFP	Other Names	935324222557
Oscillator Type	External	Operating Temperature	-40°C ~ 85°C (TA)
Number of I/O	91	Moisture Sensitivity Level (MSL)	3 (168 Hours)
Manufacturer Standard Lead Time	12 Weeks	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
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 ² C, IrDA, SCI, SPI
Base Part Number	MC9S12XEQ512		
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	Part#: MC9S12XEQ512MAG Description: IC MCU 16BIT 512KB FLASH 144LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MC9S12XEQ512MAA Description: IC MCU 16BIT 512KB FLASH 80QFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MC9S12XET256CAG Description: IC MCU 16BIT 256KB FLASH 144LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
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	Part#: MC9S12XF512MLH Description: IC MCU 16BIT 512KB FLASH 64LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MC9S12XET256MAL Description: IC MCU 16BIT 256KB FLASH 112LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
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	Part#: MC9S12XEQ384CAL Description: IC MCU 16BIT 384KB FLASH 112LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
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	Part#: MC9S12XEQ384MAL Description: IC MCU 16BIT 384KB FLASH 112LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MC9S12XET256MAA Description: IC MCU 16BIT 256KB FLASH 80QFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MC9S12XEP768MAL Description: IC MCU 16BIT 768KB FLASH 112LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MC9S12XEQ384CAG Description: IC MCU 16BIT 384KB FLASH 144LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MC9S12XEQ512MAL Description: IC MCU 16BIT 512KB FLASH 112LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MC9S12XEQ512CAGR Description: IC MCU 16BIT 512KB FLASH 144LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MC9S12XEQ512VAA Description: IC MCU 16BIT 512KB FLASH 80QFP	Manufacturers: NXP Semiconductors / Freescale	RFQ

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