

MC9S12XEQ512CAGR



Part Number: [MC9S12XEQ512CAGR](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: IC MCU 16BIT 512KB FLASH 144LQFP

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

RoHs Status: Lead free / RoHS Compliant

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PRODUCT PARAMETER			
Part Number	MC9S12XEQ512CAGR	Manufacturer	NXP Semiconductors / Freescale
Description	IC MCU 16BIT 512KB FLASH 144LQFP	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	8607 pcs	Data sheet	MC9S12XEP100, MC9S12XE Datasheet
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	1.72 V ~ 5.5 V
Supplier Device Package	144-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	144-LQFP	Other Names	935322846528
Oscillator Type	External	Operating Temperature	-40°C ~ 85°C (TA)
Number of I/O	119	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 512KB (512K x 8) FLASH 144-LQFP (20x20)	Data Converters	A/D 24x12b
Core Size	16-Bit	Core Processor	HCS12X
Connectivity	CANbus, EBI/EMI, I²C, IrDA, SCI, SPI	Base Part Number	MC9S12XEQ512
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