

S912XEQ512F0MALR



Part Number: [S912XEQ512F0MALR](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: 16-BIT MCU S12X CORE 512KB FLA

Data sheet:  [MC9S12XE Family Brief](#)

RoHs Status:

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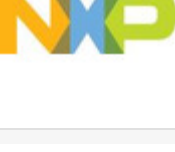
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PRODUCT PARAMETER		
Part Number	S912XEQ512F0MALR	Manufacturer NXP Semiconductors / Freescale
Description	16-BIT MCU S12X CORE 512KB FLA	Lead Free Status / RoHS Status
Quantity Available	6249 pcs	Data sheet MC9S12XE Family Brief
Category	Integrated 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 Tape & Reel (TR)
Package / Case	112-LQFP	Other Names 935315011528
Oscillator Type	External	Operating Temperature -40°C ~ 125°C (TA)
Number of I/O	91	Moisture Sensitivity Level (MSL) 3 (168 Hours)
Manufacturer Standard Lead Time	14 Weeks	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	

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