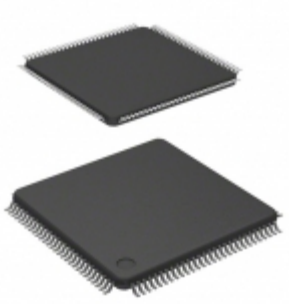


MC9S12XDP512VAL



Images are for reference only.
See Product Specifications for product details.
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Part Number: [MC9S12XDP512VAL](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: IC MCU 16BIT 512KB FLASH 112LQFP

Data sheet:  [MC9S12XDP512 Datasheet](#)

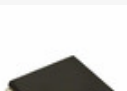
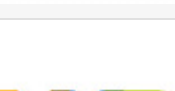
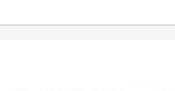
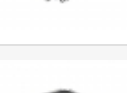
RoHs Status: Lead free / RoHS Compliant

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PRODUCT PARAMETER			
Part Number	MC9S12XDP512VAL	Manufacturer	NXP Semiconductors / Freescale
Description	IC MCU 16BIT 512KB FLASH 112LQFP	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	4730 pcs	Data sheet	MC9S12XDP512 Datasheet
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	2.35 V ~ 5.5 V
Supplier Device Package	112-LQFP (20x20)	Speed	80MHz
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	935325221557
Oscillator Type	External	Operating Temperature	-40°C ~ 105°C (TA)
Number of I/O	91	Moisture Sensitivity Level (MSL)	3 (168 Hours)
Manufacturer Standard Lead Time	10 Weeks	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
EEPROM Size	4K x 8	Detailed Description	HCS12X HCS12X Microcontroller IC 16-Bit 80MHz 512KB (512K x 8) FLASH 112-LQFP (20x20)
Data Converters	A/D 16x10b	Core Size	16-Bit
Core Processor	HCS12X	Connectivity	CANbus, EBI/EMI, I ² C, IrDA, LINbus, SCI, SPI
Base Part Number	MC9S12XDP512		
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	Part#: MC9S12XDT256MAA Description: IC MCU 16BIT 256KB FLASH 80QFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MC9S12XDT256VAG Description: IC MCU 16BIT 256KB FLASH 144LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
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	Part#: MC9S12XDT256CAG Description: IC MCU 16BIT 256KB FLASH 144LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
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	Part#: MC9S12XDP512CAL Description: IC MCU 16BIT 512KB FLASH 112LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
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	Part#: MC9S12XDT256CAL Description: IC MCU 16BIT 256KB FLASH 112LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ

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