

MC9S12DT512CPVE



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Part Number: [MC9S12DT512CPVE](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: IC MCU 16BIT 512KB FLASH 112LQFP

Data sheet:

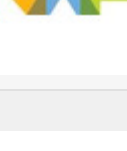
RoHs Status: Lead free / RoHS Compliant

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PRODUCT PARAMETER			
Part Number	MC9S12DT512CPVE	Manufacturer	NXP Semiconductors / Freescale
Description	IC MCU 16BIT 512KB FLASH 112LQFP	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	3857 pcs	Data sheet	
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	2.35 V ~ 5.25 V
Supplier Device Package	112-LQFP (20x20)	Speed	25MHz
Series	HCS12	RAM Size	14K x 8
Program Memory Type	FLASH	Program Memory Size	512KB (512K x 8)
Peripherals	PWM, WDT	Packaging	Tray
Package / Case	112-LQFP	Other Names	935321072557
Oscillator Type	Internal	Operating Temperature	-40°C ~ 85°C (TA)
Number of I/O	91	Moisture Sensitivity Level (MSL)	3 (168 Hours)
Lead Free Status / RoHS Status	Lead free / RoHS Compliant	EEPROM Size	4K x 8
Detailed Description	HCS12 HCS12 Microcontroller IC 16-Bit 25MHz 512KB (512K x 8) FLASH 112-LQFP (20x20)	Data Converters	A/D 8x10b
Core Size	16-Bit	Core Processor	HCS12
Connectivity	CANbus, I²C, SCI, SPI		
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