

MC9S12XDT512CAAR



Part Number: [MC9S12XDT512CAAR](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: IC MCU 16BIT 512KB FLASH 80QFP

Data sheet:  [MC9S12XD Prod Brief](#)

RoHs Status: Lead free / RoHS Compliant

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PRODUCT PARAMETER			
Part Number	MC9S12XDT512CAAR	Manufacturer	NXP Semiconductors / Freescale
Description	IC MCU 16BIT 512KB FLASH 80QFP	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	4030 pcs	Data sheet	MC9S12XD Prod Brief
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	2.35 V ~ 5.5 V
Supplier Device Package	80-QFP (14x14)	Speed	80MHz
Series	HCS12X	RAM Size	20K x 8
Program Memory Type	FLASH	Program Memory Size	512KB (512K x 8)
Peripherals	LVD, POR, PWM, WDT	Packaging	Tray
Package / Case	80-QFP	Other Names	935313599528
Oscillator Type	External	Operating Temperature	-40°C ~ 85°C (TA)
Number of I/O	59	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 80MHz 512KB (512K x 8) FLASH 80-QFP (14x14)	Data Converters	A/D 24x10b
Core Size	16-Bit	Core Processor	HCS12X
Connectivity	CANbus, EBI/EMI, I ² C, IrDA, LINbus, SCI, SPI	Base Part Number	9S12XDT512
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