

MC9S12XDT256CAAR



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Part Number: [MC9S12XDT256CAAR](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: IC MCU 16BIT 256KB FLASH 80QFP

Data sheet:  [MC9S12XDP512 Datasheet](#)

RoHs Status: Lead free / RoHS Compliant

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PRODUCT PARAMETER			
Part Number	MC9S12XDT256CAAR	Manufacturer	NXP Semiconductors / Freescale
Description	IC MCU 16BIT 256KB FLASH 80QFP	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	5558 pcs	Data sheet	MC9S12XDP512 Datasheet
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	16K x 8
Program Memory Type	FLASH	Program Memory Size	256KB (256K x 8)
Peripherals	LVD, POR, PWM, WDT	Packaging	Tape & Reel (TR)
Package / Case	80-QFP	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 256KB (256K x 8) FLASH 80-QFP (14x14)
Data Converters	A/D 8x10b	Core Size	16-Bit
Core Processor	HCS12X	Connectivity	CANbus, EBI/EMI, I ² C, IrDA, LINbus, SCI, SPI
Base Part Number	MC9S12XDT256		
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	Part#: MC9S12XDP512CAG Description: IC MCU 16BIT 512KB FLASH 144LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ

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