




NXP Semiconductors / Freescale

MC9S12XDT512CAG

Part Number:	MC9S12XDT512CAG
Manufacturer/Brand:	NXP Semiconductors / Freescale
Product description:	IC MCU 16BIT 512KB FLASH 144LQFP
Datasheets:	PDF MC9S12XDT512CAG.pdf
RoHS Status:	 Lead free / RoHS Compliant
Ship From:	Hong Kong
Shipment Way:	DHL/Fedex/TNT/UPS/EMS

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Image may be representation. See specifications for product details.



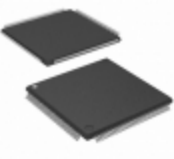









Specifications of MC9S12XDT512CAG

PART NUMBER	MC9S12XDT512CAG
MANUFACTURER	NXP Semiconductors / Freescale
DESCRIPTION	IC MCU 16BIT 512KB FLASH 144LQFP
LEAD FREE STATUS / ROHS STATUS	Lead free / RoHS Compliant
DATA SHEET	PDF MC9S12XDT512CAG.pdf
VOLTAGE - SUPPLY (VCC/VDD)	2.35 V ~ 5.5 V
SUPPLIER DEVICE PACKAGE	144-LQFP (20x20)
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	144-LQFP
OTHER NAMES	935316676557
OSCILLATOR TYPE	External
OPERATING TEMPERATURE	-40°C ~ 85°C (TA)
NUMBER OF I/O	119
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 144-LQFP (20x20)
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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 <p>MC9S12XDT256VAA Manufacturers: NXP Semiconductors / Freescale Description: IC MCU 16BIT 256KB FLASH 80QFP In stock: 840 pcs</p> <p>RFQ</p>	 <p>MC9S12XDT512MAA Manufacturers: NXP Semiconductors / Freescale Description: IC MCU 16BIT 512KB FLASH 80QFP In stock: 519 pcs</p> <p>RFQ</p>
 <p>MC9S12XDT512MAG Manufacturers: NXP Semiconductors / Freescale Description: IC MCU 16BIT 512KB FLASH 144LQFP In stock: Out stock</p> <p>RFQ</p>	 <p>MC9S12XDT256VAG Manufacturers: NXP Semiconductors / Freescale Description: IC MCU 16BIT 256KB FLASH 144LQFP In stock: Out stock</p> <p>RFQ</p>
 <p>MC9S12XDT256VAL Manufacturers: NXP Semiconductors / Freescale Description: IC MCU 16BIT 256KB FLASH 112LQFP In stock: 692 pcs</p> <p>RFQ</p>	 <p>MC9S12XDT512CAAR Manufacturers: NXP Semiconductors / Freescale Description: IC MCU 16BIT 512KB FLASH 80QFP In stock: Out stock</p> <p>RFQ</p>
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