

NXP Semiconductors / Freescale

### MK40DX256VLK7

Part Number:	MK40DX256VLK7
Manufacturer/Brand:	NXP Semiconductors / Freescale
Product description:	IC MCU 32BIT 256KB FLASH 80LQFP
Datasheets:	
RoHS Status:	Lead free / RoHS Compliant
Stock Condition:	10184 pcs stock
Ship From:	Hong Kong
Shipment Way:	DHL/Fedex/TNT/UPS/EMS

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#### Specifications of MK40DX256VLK7

PART NUMBER	MK40DX256VLK7
MANUFACTURER	NXP Semiconductors / Freescale
DESCRIPTION	IC MCU 32BIT 256KB FLASH 80LQFP
LEAD FREE STATUS / ROHS STATUS	Lead free / RoHS Compliant
QUANTITY AVAILABLE	10184 pcs
DATA SHEET	
VOLTAGE - SUPPLY (VCC/VDD)	1.71 V ~ 3.6 V
SUPPLIER DEVICE PACKAGE	80-LQFP (12x12)
SPEED	72MHz
SERIES	Kinetis K40
RAM SIZE	64K x 8
PROGRAM MEMORY TYPE	FLASH
PROGRAM MEMORY SIZE	256KB (256K x 8)
PERIPHERALS	DMA, I <sup>2</sup> S, LCD, LVD, POR, PWM, WDT
PACKAGING	Tray
PACKAGE / CASE	80-LQFP
OTHER NAMES	935317617557
OSCILLATOR TYPE	Internal
OPERATING TEMPERATURE	-40°C ~ 105°C (TA)
NUMBER OF I/O	52
MOISTURE SENSITIVITY LEVEL (MSL)	3 (168 Hours)
LEAD FREE STATUS / ROHS STATUS	Lead free / RoHS Compliant
EEPROM SIZE	2K x 8
DETAILED DESCRIPTION	ARM® Cortex®-M4 Kinetis K40 Microcontroller IC 32-Bit 72MHz 256KB (256K x 8) FLASH 80-LQFP (12x12)
DATA CONVERTERS	A/D 27x16b, D/A 1x12b
CORE SIZE	32-Bit
CORE PROCESSOR	ARM® Cortex®-M4
CONNECTIVITY	CANbus, I <sup>2</sup> C, IrDA, SPI, UART/USART, USB, USB OTG
BASE PART NUMBER	MK40DX256

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	<p><b>MK40DX128VMC7</b></p> <p>Manufacturers: NXP Description: IC MCU 32BIT 128KB FLASH 121BGA In stock: 15484 pcs</p> <p><a href="#">RFQ</a></p>		<p><b>MK40DX256VMD10</b></p> <p>Manufacturers: NXP Description: IC MCU 32BIT 256KB FLASH 144BGA In stock: 8699 pcs</p> <p><a href="#">RFQ</a></p>
	<p><b>MK40DX128VLL7</b></p> <p>Manufacturers: NXP Description: IC MCU 32BIT 128KB FLASH 100LQFP In stock: 10408 pcs</p> <p><a href="#">RFQ</a></p>		<p><b>MK40DX256VML7</b></p> <p>Manufacturers: NXP Description: IC MCU 32BIT 256KB FLASH 104BGA In stock: 6403 pcs</p> <p><a href="#">RFQ</a></p>
	<p><b>MK40DX256ZVLQ10</b></p> <p>Manufacturers: NXP Description: IC MCU 32BIT 256KB FLASH 144LQFP In stock: 10129 pcs</p> <p><a href="#">RFQ</a></p>		<p><b>MK40DX256VLH7</b></p> <p>Manufacturers: NXP Description: IC MCU 32BIT 256KB FLASH 64LQFP In stock: 10771 pcs</p> <p><a href="#">RFQ</a></p>
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	<p><b>MK40DX128ZVLQ10</b></p> <p>Manufacturers: NXP Description: IC MCU 32BIT 128KB FLASH 144LQFP In stock: 10191 pcs</p> <p><a href="#">RFQ</a></p>		<p><b>MK40DX128VMD10</b></p> <p>Manufacturers: NXP Description: IC MCU 32BIT 128KB FLASH 144BGA In stock: 7151 pcs</p> <p><a href="#">RFQ</a></p>