

MK40DX256ZVMB10



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Part Number: [MK40DX256ZVMB10](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: IC MCU 32BIT 256KB FLASH 81BGA

Data sheet:  [K40_ZLK/ZMB10 Datasheet](#)
 [K40_ZLK/ZMB10 Ref Manual](#)
 [K40 Family Fact Sheet](#)
 [K40 系列产品概述](#)

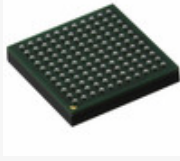
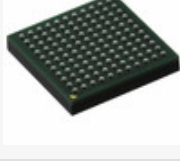
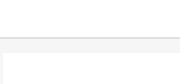
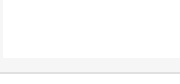
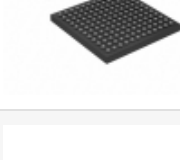
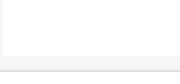
RoHs Status: Lead free / RoHS Compliant

Ship From: Hong Kong

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PRODUCT PARAMETER			
Part Number	MK40DX256ZVMB10	Manufacturer	NXP Semiconductors / Freescale
Description	IC MCU 32BIT 256KB FLASH 81BGA	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	4185 pcs	Data sheet	K40_ZLK/ZMB10 Datasheet K40_ZLK/ZMB10 Ref Manual K40 Family Fact Sheet K40 系列产品概述
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	1.71 V ~ 3.6 V
Supplier Device Package	81-MAPBGA (10x10)	Speed	100MHz
Series	Kinetis K40	RAM Size	64K x 8
Program Memory Type	FLASH	Program Memory Size	256KB (256K x 8)
Peripherals	DMA, I ² S, LCD, LVD, POR, PWM, WDT	Packaging	Tray
Package / Case	81-LBGA	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	4K x 8	Detailed Description	ARM® Cortex®-M4 Kinetis K40 Microcontroller IC 32-Bit 100MHz 256KB (256K x 8) FLASH 81-MAPBGA (10x10)
Data Converters	A/D 17x16b, D/A 1x12b	Core Size	32-Bit
Core Processor	ARM® Cortex®-M4	Connectivity	CANbus, PC, IrDA, SD, SPI, UART/USART, USB, USB OTG
Base Part Number	MK40DX256		
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	Part#: MK40DX256VLL7 Description: IC MCU 32BIT 256KB FLASH 100LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MK40DX64VMC7 Description: IC MCU 32BIT 64KB FLASH 121BGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MK4320FE-R52 Description: RES 432 OHM 1/4W 1% AXIAL	Manufacturers: Ohmite	RFQ
	Part#: MK40DX64VMB7 Description: IC MCU 32BIT 64KB FLASH 81MAPBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MK40DX256ZVMD10 Description: IC MCU 32BIT 256KB FLASH 144BGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MK40DX64VLH7 Description: IC MCU 32BIT 64KB FLASH 64LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MK40DX64VLK7 Description: IC MCU 32BIT 64KB FLASH 80LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
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	Part#: MK40DX256VMD10 Description: IC MCU 32BIT 256KB FLASH 144BGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MK4531FE-R52 Description: RES 4.53K OHM 1/4W 1% AXIAL	Manufacturers: Ohmite	RFQ
	Part#: MK4220FE-R52 Description: RES 422 OHM 1/4W 1% AXIAL	Manufacturers: Ohmite	RFQ
	Part#: MK40DX256VLH7 Description: IC MCU 32BIT 256KB FLASH 64LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MK4221FE-R52 Description: RES 4.22K OHM 1/4W 1% AXIAL	Manufacturers: Ohmite	RFQ
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	Part#: MK40DX256ZVLQ10 Description: IC MCU 32BIT 256KB FLASH 144LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
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