

MK40DX256VMC7



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Part Number: [MK40DX256VMC7](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: IC MCU 32BIT 256KB FLASH 121BGA

Data sheet:  [K40_LL/MC7 Datasheet](#)
 [K40 Family Fact Sheet](#)
 [K40_LL/MC7 Ref Manual](#)

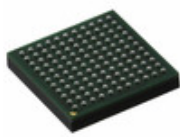
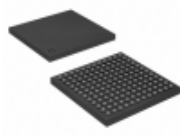
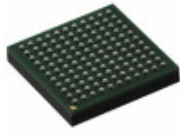
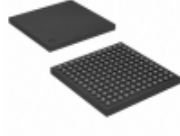
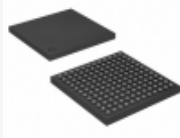
RoHs Status: Lead free / RoHS Compliant

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PRODUCT PARAMETER			
Part Number	MK40DX256VMC7	Manufacturer	NXP Semiconductors / Freescale
Description	IC MCU 32BIT 256KB FLASH 121BGA	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	10945 pcs	Data sheet	K40_LL/MC7 Datasheet K40 Family Fact Sheet K40_LL/MC7 Ref Manual
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	1.71 V ~ 3.6 V
Supplier Device Package	121-MAPBGA (8x8)	Speed	72MHz
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	121-LFBGA	Other Names	935314814557
Oscillator Type	Internal	Operating Temperature	-40°C ~ 105°C (TA)
Number of I/O	74	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 121-MAPBGA (8x8)	Data Converters	A/D 34x16b, D/A 1x12b
Core Size	32-Bit	Core Processor	ARM® Cortex®-M4
Connectivity	CANbus, I ² C, IrDA, SPI, UART/USART, USB, USB OTG	Base Part Number	MK40DX256
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	Part#: MK40DX256ZVMD10 Description: IC MCU 32BIT 256KB FLASH 144BGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
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	Part#: MK40DX64VMC7 Description: IC MCU 32BIT 64KB FLASH 121BGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MK40DX64VLK7 Description: IC MCU 32BIT 64KB FLASH 80LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
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	Part#: MK4220FE-R52 Description: RES 422 OHM 1/4W 1% AXIAL	Manufacturers: Ohmite	RFQ
	Part#: MK40DX256VMD10 Description: IC MCU 32BIT 256KB FLASH 144BGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MK40DX256ZVMB10 Description: IC MCU 32BIT 256KB FLASH 81BGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MK40DX64VMB7 Description: IC MCU 32BIT 64KB FLASH 81MAPBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MK40DX256VLQ10 Description: IC MCU 32BIT 256KB FLASH 144LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
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