

MK12DX256VLK5



Part Number: [MK12DX256VLK5](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: IC MCU 32BIT 256KB FLASH 80LQFP

Data sheet:  [K12_LK5 Ref Manual](#)
 [K10 Family Fact Sheet](#)
 [K12_LK5 Datasheet](#)
 [1N89E Mask Errata](#)

RoHs Status: Lead free / RoHS Compliant

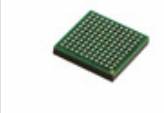
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PRODUCT PARAMETER			
Part Number	MK12DX256VLK5	Manufacturer	NXP Semiconductors / Freescale
Description	IC MCU 32BIT 256KB FLASH 80LQFP	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	15933 pcs	Data sheet	K12_LK5 Ref Manual K10 Family Fact Sheet K12_LK5 Datasheet 1N89E Mask Errata
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	1.71 V ~ 3.6 V
Supplier Device Package	80-LQFP (12x12)	Speed	50MHz
Series	Kinetis K10	RAM Size	32K x 8
Program Memory Type	FLASH	Program Memory Size	256KB (256K x 8)
Peripherals	DMA, I ² S, LVD, POR, PWM, WDT	Packaging	Tray
Package / Case	80-LQFP	Other Names	935314825557
Oscillator Type	Internal	Operating Temperature	-40°C ~ 105°C (TA)
Number of I/O	60	Moisture Sensitivity Level (MSL)	3 (168 Hours)
Manufacturer Standard Lead Time	20 Weeks	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
EEPROM Size	4K x 8	Detailed Description	ARM® Cortex®-M4 Kinetis K10 Microcontroller IC 32-Bit 50MHz 256KB (256K x 8) FLASH 80-LQFP (12x12)
Data Converters	A/D 24x16b, D/A 1x12b	Core Size	32-Bit
Core Processor	ARM® Cortex®-M4	Connectivity	I ² C, IrDA, SPI, UART/USART
Base Part Number	MK12DX256		
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	Part#: MK12DN512VLH5R Description: IC MCU 32BIT 512KB FLASH 64LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MK13-1B90C-500W Description: SENSOR REED SW SPST-NC W LEADS	Manufacturers: Standex-Meder Electronics	RFQ
	Part#: MK12DX128VLK5 Description: IC MCU 32BIT 128KB FLASH 80LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MK13-1A66B-500W Description: SENSOR REED SWITCH SPST-NO CABLE	Manufacturers: Standex-Meder Electronics	RFQ
	Part#: MK12DX256VLF5 Description: IC MCU 32BIT 256KB FLASH 48LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MK12R1FE-R52 Description: RES 12.1 OHM 1/4W 1% AXIAL	Manufacturers: Ohmite	RFQ
	Part#: MK12DX256VLH5 Description: IC MCU 32BIT 256KB FLASH 64LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MK12DN512VLK5 Description: IC MCU 32BIT 512KB FLASH 80LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
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	Part#: MK1303FE-R52 Description: RES 130K OHM 1/4W 1% AXIAL	Manufacturers: Ohmite	RFQ
	Part#: MK1301FE-R52 Description: RES 1.3K OHM 1/4W 1% AXIAL	Manufacturers: Ohmite	RFQ
	Part#: MK12DX128VMC5 Description: IC MCU 32BIT 128KB FLASH 121BGA	Manufacturers: NXP USA Inc.	RFQ
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	Part#: MK12DN512VLK5R Description: IC MCU 32BIT 512KB FLASH 80LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MK12DX128VLH5 Description: IC MCU 32BIT 128KB FLASH 64LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MK12DX128VLF5 Description: IC MCU 32BIT 128KB FLASH 48LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
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