

MK12DX256VLF5



Part Number: [MK12DX256VLF5](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: IC MCU 32BIT 256KB FLASH 48LQFP

Data sheet:  [K12_LF5 Datasheet](#)
 [K10 Family Fact Sheet](#)
 [K12_LF5 Ref Manual](#)
 [1N89E Mask Errata](#)

RoHs Status: Lead free / RoHS Compliant

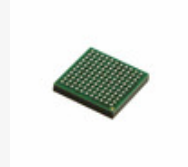
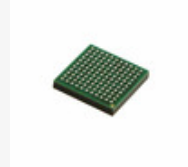
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PRODUCT PARAMETER			
Part Number	MK12DX256VLF5	Manufacturer	NXP Semiconductors / Freescale
Description	IC MCU 32BIT 256KB FLASH 48LQFP	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	21316 pcs	Data sheet	K12_LF5 Datasheet K10 Family Fact Sheet K12_LF5 Ref Manual 1N89E Mask Errata
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	1.71 V ~ 3.6 V
Supplier Device Package	48-LQFP (7x7)	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	48-LQFP	Other Names	568-13159 935323299557 MK12DX256VLF5-ND
Oscillator Type	Internal	Operating Temperature	-40°C ~ 105°C (TA)
Number of I/O	33	Moisture Sensitivity Level (MSL)	3 (168 Hours)
Manufacturer Standard Lead Time	13 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 48-LQFP (7x7)
Data Converters	A/D 18x16b	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#: MK1302FE-R52 Description: RES 13K OHM 1/4W 1% AXIAL	Manufacturers: Ohmite	RFQ
	Part#: MK12R1FE-R52 Description: RES 12.1 OHM 1/4W 1% AXIAL	Manufacturers: Ohmite	RFQ
	Part#: MK12DN512VLH5R Description: IC MCU 32BIT 512KB FLASH 64LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MK13-1C90C-500W Description: SENSOR REED SW SPDT WIRE LEADS	Manufacturers: Standex-Meder Electronics	RFQ
	Part#: MK1301FE-R52 Description: RES 1.3K OHM 1/4W 1% AXIAL	Manufacturers: Ohmite	RFQ
	Part#: MK12DX128VLH5 Description: IC MCU 32BIT 128KB FLASH 64LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MK1273FE-R52 Description: RES 127K OHM 1/4W 1% AXIAL	Manufacturers: Ohmite	RFQ
	Part#: MK12DN512VLK5R Description: IC MCU 32BIT 512KB FLASH 80LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
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	Part#: MK12DN512VLK5 Description: IC MCU 32BIT 512KB FLASH 80LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MK12DX128VLF5 Description: IC MCU 32BIT 128KB FLASH 48LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MK12DN512VMC5 Description: IC MCU 32BIT 512KB FLASH 121BGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MK12DX256VLK5 Description: IC MCU 32BIT 256KB FLASH 80LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
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	Part#: MK12DX256VMC5 Description: IC MCU 32BIT 256KB FLASH 121BGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MK13-1A66B-500W Description: SENSOR REED SWITCH SPST-NO CABLE	Manufacturers: Standex-Meder Electronics	RFQ
	Part#: MK12DX128VLK5 Description: IC MCU 32BIT 128KB FLASH 80LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ

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