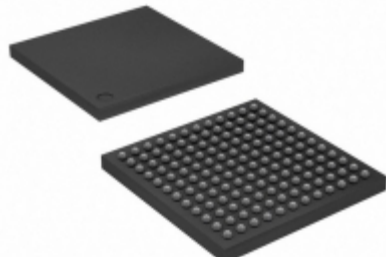


MK10FX512VMD12



Images are for reference only.
See Product Specifications for product details.
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Part Number: [MK10FX512VMD12](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: IC MCU 32BIT 512KB FLASH 144BGA

Data sheet:  [Kinetis Mask Set 3N96B Errata](#)
 [K10_LQ/MD12 Ref Manual](#)
 [K10_LQ/MD12 Datasheet](#)
 [K10 Family Fact Sheet](#)

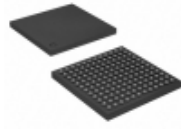
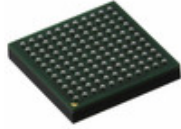
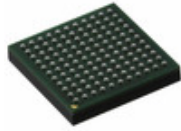
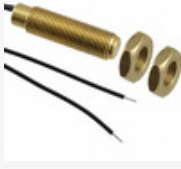
RoHs Status: Lead free / RoHS Compliant

Ship From: Hong Kong

Shipment Way: DHL/Fedex/TNT/UPS/EMS

Request For Quotation

PRODUCT PARAMETER			
Part Number	MK10FX512VMD12	Manufacturer	NXP Semiconductors / Freescale
Description	IC MCU 32BIT 512KB FLASH 144BGA	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	9421 pcs	Data sheet	Kinetis Mask Set 3N96B Errata K10_LQ/MD12 Ref Manual K10_LQ/MD12 Datasheet K10 Family Fact Sheet
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	1.71 V ~ 3.6 V
Supplier Device Package	144-MAPBGA (13x13)	Speed	120MHz
Series	Kinetis K10	RAM Size	128K x 8
Program Memory Type	FLASH	Program Memory Size	512KB (512K x 8)
Peripherals	DMA, I ² S, LVD, POR, PWM, WDT	Packaging	Tray
Package / Case	144-LBGA	Other Names	935324537557
Oscillator Type	Internal	Operating Temperature	-40°C ~ 105°C (TA)
Number of I/O	104	Moisture Sensitivity Level (MSL)	3 (168 Hours)
Manufacturer Standard Lead Time	13 Weeks	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
EEPROM Size	16K x 8	Detailed Description	ARM® Cortex®-M4 Kinetis K10 Microcontroller IC 32-Bit 120MHz 512KB (512K x 8) FLASH 144-MAPBGA (13x13)
Data Converters	A/D 66x16b, D/A 2x12b	Core Size	32-Bit
Core Processor	ARM® Cortex®-M4	Connectivity	CANbus, EBI/EMI, I ² C, IrDA, SD, SPI, UART/USART
Base Part Number	MK10FX512		
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	Part#: MK11/B6-1A66B-500W Description: SENSOR REED SW SPST-NO W LEADS	Manufacturers: Standex-Meder Electronics	RFQ
	Part#: MK10DX64VLH5 Description: IC MCU 32BIT 64KB FLASH 64LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MK11-1B90B-300W Description: SENSOR REED SWITCH SPST-NC CABLE	Manufacturers: Standex-Meder Electronics	RFQ
	Part#: MK10FX512VLQ12 Description: IC MCU 32BIT 512KB FLASH 144LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MK10DX64VLH7 Description: IC MCU 32BIT 64KB FLASH 64LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MK10DX64VLK7 Description: IC MCU 32BIT 64KB FLASH 80LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MK10FN1M0VMD12 Description: IC MCU 32BIT 1MB FLASH 144MAPBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MK11-1A66C-500W Description: SENSOR REED SWITCH SPST-NO CABLE	Manufacturers: Standex-Meder Electronics	RFQ
	Part#: MK10DX64VLK7R Description: IC MCU 32BIT 64KB FLASH 80LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MK11-1A66B-500W Description: SENSOR REED SWITCH SPST-NO CABLE	Manufacturers: Standex-Meder Electronics	RFQ
	Part#: MK10DX64VMC7 Description: IC MCU 32BIT 64KB FLASH 121BGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MK10R0FE-R52 Description: RES 10 OHM 1/4W 1% AXIAL	Manufacturers: Ohmite	RFQ
	Part#: MK10FN1M0VLQ12 Description: IC MCU 32BIT 1MB FLASH 144LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MK11-1A66D-500W Description: SENSOR REED SWITCH SPST-NO CABLE	Manufacturers: Standex-Meder Electronics	RFQ
	Part#: MK10DX64VMB7 Description: IC MCU 32BIT 64KB FLASH 121BGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
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	Part#: MK11/M5-KIT Description: REED SENSOR/MAGNET EVAL KIT	Manufacturers: Standex-Meder Electronics	RFQ
	Part#: MK11/B8-1A66B-500W Description: SENSOR REED SW SPST-NO W LEADS	Manufacturers: Standex-Meder Electronics	RFQ

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