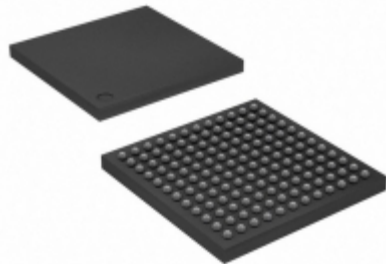


MK60FX512VMD12



Images are for reference only.
See Product Specifications for product details.
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Part Number: [MK60FX512VMD12](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: IC MCU 32BIT 512KB FLASH 144BGA

Data sheet:  [K60_LQ/MD12/15 Ref Manual](#)
 [Kinetis Mask Set 3N96B Errata](#)
 [K60_LQ/MD12 Datasheet](#)
 [K60 系列产品概述](#)
 [K6x Family Fact Sheet](#)

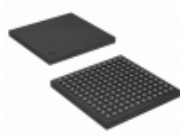
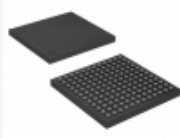
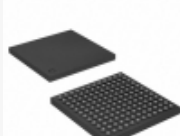
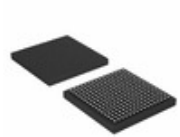
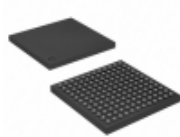
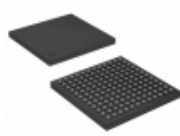
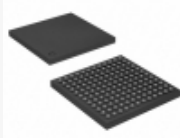
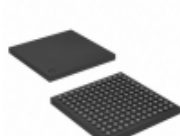
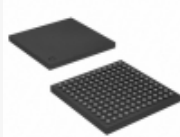
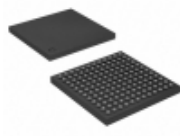
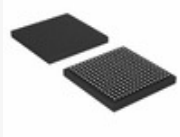
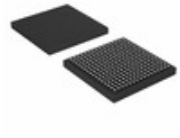
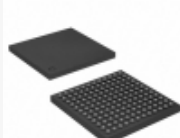
RoHs Status: Lead free / RoHS Compliant

Ship From: Hong Kong

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

[Request For Quotation](#)

PRODUCT PARAMETER			
Part Number	MK60FX512VMD12	Manufacturer	NXP Semiconductors / Freescale
Description	IC MCU 32BIT 512KB FLASH 144BGA	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	8642 pcs	Data sheet	K60_LQ/MD12/15 Ref Manual Kinetis Mask Set 3N96B Errata K60_LQ/MD12 Datasheet K60 系列产品概述 K6x 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 K60	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	935325653557
Oscillator Type	Internal	Operating Temperature	-40°C ~ 105°C (TA)
Number of I/O	100	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 K60 Microcontroller IC 32-Bit 120MHz 512KB (512K x 8) FLASH 144-MAPBGA (13x13)
Data Converters	A/D 58x16b, D/A 2x12b	Core Size	32-Bit
Core Processor	ARM® Cortex®-M4	Connectivity	CANbus, EBI/EMI, Ethernet, I ² C, IrDA, SD, SPI, UART/USART, USB, USB OTG
Base Part Number	MK60FX512		
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	Part#: MK61FN1M0VMD12 Description: IC MCU 32BIT 1MB FLASH 144MAPBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MK61FN1M0VMJ12 Description: IC MCU 32BIT 1MB FLASH 256MAPBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MK60FX512VLQ12 Description: IC MCU 32BIT 512KB FLASH 144LQFP	Manufacturers: NXP USA Inc.	RFQ
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	Part#: MK60FX512VLQ15 Description: IC MCU 32BIT 512KB FLASH 144LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MK60DX256ZVMD10 Description: IC MCU 32BIT 256KB FLASH 144BGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MK60FN1M0VMD12R Description: IC MCU 32BIT 1MB FLASH 144MAPBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MK60R4FE-R52 Description: RES 60.4 OHM 1/4W 1% AXIAL	Manufacturers: Ohmite	RFQ
	Part#: MK60DX256ZVMC10 Description: IC MCU 32BIT 256KB FLASH 121BGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MK61FN1M0CAA12R Description: IC MCU 32BIT 1MB FLASH 144MAPBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
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	Part#: MK60FN1M0VMD15 Description: IC MCU 32BIT 1MB FLASH 144MAPBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MK61FX512VMJ12 Description: IC MCU 32BIT 512KB FLASH 256BGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MK61FN1M0VMJ15 Description: IC MCU 32BIT 1MB FLASH 256MAPBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
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