

MK61FX512VMD15



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Part Number: [MK61FX512VMD15](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: IC MCU 32BIT 512KB FLASH 144BGA

Data sheet:  [Kinetis Mask Set 3N96B Errata](#)
 [K61_MD12/15 Ref Manual](#)
 [K6x Family Fact Sheet](#)
 [K61 Family Brief](#)
 [K61_MD15 Datasheet](#)

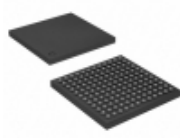
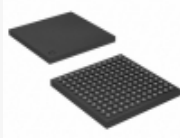
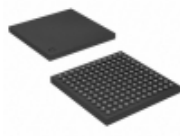
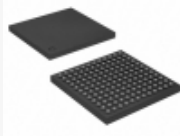
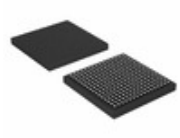
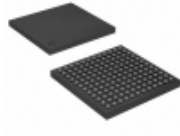
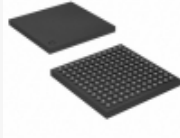
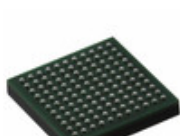
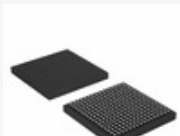
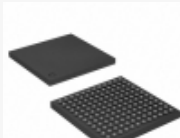
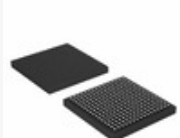
RoHs Status: Lead free / RoHS Compliant

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PRODUCT PARAMETER			
Part Number	MK61FX512VMD15	Manufacturer	NXP Semiconductors / Freescale
Description	IC MCU 32BIT 512KB FLASH 144BGA	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	6541 pcs	Data sheet	Kinetis Mask Set 3N96B Errata K61_MD12/15 Ref Manual K6x Family Fact Sheet K61 Family Brief K61_MD15 Datasheet
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	1.71 V ~ 3.6 V
Supplier Device Package	144-MAPBGA (13x13)	Speed	150MHz
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	935324555557
Oscillator Type	Internal	Operating Temperature	-40°C ~ 105°C (TA)
Number of I/O	95	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 150MHz 512KB (512K x 8) FLASH 144-MAPBGA (13x13)
Data Converters	A/D 53x16b, 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	MK61FX512		
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	Part#: MK63FN1M0VLQ12R Description: KINETIS K63: 120MHZ CORTEX-M4F M	Manufacturers: NXP Semiconductors / Freescale	RFQ
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	Part#: MK64FN1M0VLQ12 Description: IC MCU 32BIT 1MB FLASH 144LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MK64FN1M0CAJ12R Description: IC MCU 32BIT 1MB FLASH 142WLCSP	Manufacturers: NXP Semiconductors / Freescale	RFQ

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