

MK60FX512VLQ12



Part Number: [MK60FX512VLQ12](#)

Manufacturer: [NXP USA Inc.](#)

Description: IC MCU 32BIT 512KB FLASH 144LQFP

Data sheet:  [K60_LQ/MD12/15 Ref Manual](#)
 [K60 Family Brief](#)
 [K60_LQ/MD12 Datasheet](#)
 [K6x Family](#)
 [Kinetis Mask Set 3N96B Errata](#)

RoHS Status: Lead free / RoHS Compliant

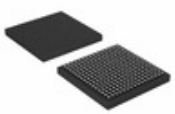
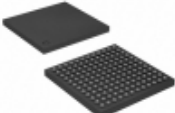
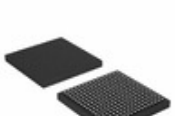
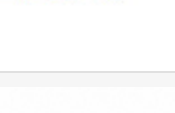
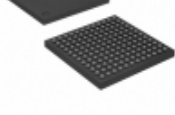
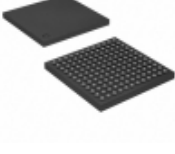
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PRODUCT PARAMETER			
Part Number	MK60FX512VLQ12	Manufacturer	NXP USA Inc.
Description	IC MCU 32BIT 512KB FLASH 144LQFP	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	7578 pcs	Data sheet	K60_LQ/MD12/15 Ref Manual K60 Family Brief K60_LQ/MD12 Datasheet K6x Family Kinetis Mask Set 3N96B Errata
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	FLASH
Voltage - Breakdown	144-LQFP (20x20)	Series	Kinetis K60
RoHS Status	Tray	Reverse Recovery Time (trr)	120MHz
Requires	DMA, I ² S, LVD, POR, PWM, WDT	Program Memory Type	512KB (512K x 8)
Program Memory Size	CAN, EBI/EMI, Ethernet, I ² C, IrDA, SD, SPI, UART/USART, USB, USB OTG	Polarization	144-LQFP
Other Names	935317615557	Oscillator Type	A/D 58x16b, D/A 2x12b
Operating Temperature	-40°C ~ 105°C (TA)	Operating System	ARM® Cortex®-M4
Moisture Sensitivity Level (MSL)	3 (168 Hours)	Manufacturer Standard Lead Time	8 Weeks
Manufacturer Part Number	MK60FX512VLQ12	Expanded Description	ARM® Cortex®-M4 Kinetis K60 Microcontroller IC 32-Bit 120MHz 512KB (512K x 8) FLASH 144-LQFP (20x20)
Description	IC MCU 32BIT 512KB FLASH 144LQFP	Data SRAM Bytes	16K x 8
Data Converters	1.71 V ~ 3.6 V	Core Size	128K x 8
Controller Series	Internal	Connectivity	32-Bit
Clock Rate	100		
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RELATED PRODUCTS			
	Part#: MK61FN1M0VMJ12 Description: IC MCU 32BIT 1MB FLASH 256MAPBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MK60FX512VLQ15 Description: IC MCU 32BIT 512KB FLASH 144LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MK60FX512VMD15 Description: IC MCU 32BIT 512KB FLASH 144BGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MK61FN1M0VMJ15 Description: IC MCU 32BIT 1MB FLASH 256MAPBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MK60R4FE-R52 Description: RES 60.4 OHM 1/4W 1% AXIAL	Manufacturers: Ohmite	RFQ
	Part#: MK60FX512VMD12 Description: IC MCU 32BIT 512KB FLASH 144BGA	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#: MK60DX256VMD10 Description: IC MCU 32BIT 256KB FLASH 144BGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MK61FN1M0VMD12 Description: IC MCU 32BIT 1MB FLASH 144MAPBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MK60DX256ZVLQ10 Description: IC MCU 32BIT 256KB FLASH 144LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
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	Part#: MK60DX256ZVLL10 Description: IC MCU 32BIT 256KB FLASH 100LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MK60DX256ZVMC10 Description: IC MCU 32BIT 256KB FLASH 121BGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MK60FN1M0VMD15 Description: IC MCU 32BIT 1MB FLASH 144MAPBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ

Related keywords for **MK60FX512VLQ12**

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