

MK64FX512VLL12



Part Number: [MK64FX512VLL12](#)

Manufacturer: [NXP USA Inc.](#)

Description: IC MCU 32BIT 512KB FLASH 100LQFP

Data sheet:  [K64F Sub-Family](#)

RoHs Status: Lead free / RoHS Compliant

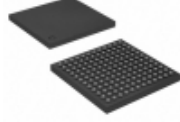
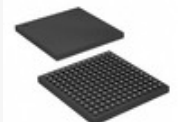
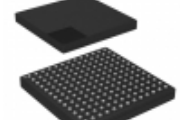
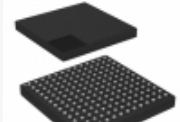
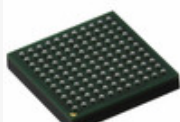
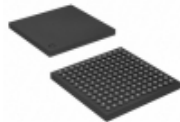
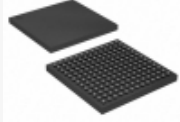
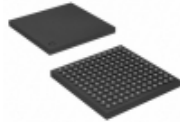
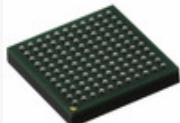
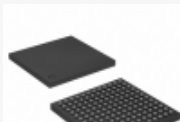
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PRODUCT PARAMETER			
Part Number	MK64FX512VLL12	Manufacturer	NXP USA Inc.
Description	IC MCU 32BIT 512KB FLASH 100LQFP	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	11032 pcs	Data sheet	K64F Sub-Family
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	FLASH
Voltage - Breakdown	100-LQFP (14x14)	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	100-LQFP
Other Names	935315192557	Oscillator Type	A/D 32x16b, D/A 1x12b
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	MK64FX512VLL12	Expanded Description	ARM® Cortex®-M4 Kinetis K60 Microcontroller IC 32-Bit 120MHz 512KB (512K x 8) FLASH 100-LQFP (14x14)
Description	IC MCU 32BIT 512KB FLASH 100LQFP	Data SRAM Bytes	4K x 8
Data Converters	1.71 V ~ 3.6 V	Core Size	192K x 8
Controller Series	Internal	Connectivity	32-Bit
Clock Rate	66		
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	Part#: MK64FN1M0VMD12 Description: IC MCU 32BIT 1MB FLASH 144MAPBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MK64FN1M0VLL12R Description: IC MCU 32BIT 1MB FLASH 100LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
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	Part#: MK65FN2M0VMI18R Description: KINETIS K65: 180MHZ CORTEX-M4F M	Manufacturers: NXP Semiconductors / Freescale	RFQ
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