

MK30DN512ZVLL10



Part Number: [MK30DN512ZVLL10](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: IC MCU 32BIT 512KB FLASH 100LQFP

Data sheet:  [K30_LL10 Ref Manual](#)
 [K30_LL10 Datasheet](#)
 [K30 系列产品概述](#)
 [K30 Family Fact Sheet](#)

RoHs Status: Lead free / RoHS Compliant

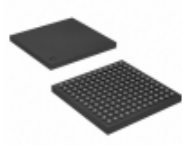
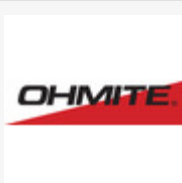
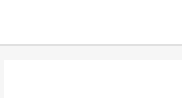
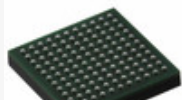
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PRODUCT PARAMETER			
Part Number	MK30DN512ZVLL10	Manufacturer	NXP Semiconductors / Freescale
Description	IC MCU 32BIT 512KB FLASH 100LQFP	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	5612 pcs	Data sheet	K30_LL10 Ref Manual K30_LL10 Datasheet K30 系列产品概述 K30 Family Fact Sheet
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	1.71 V ~ 3.6 V
Supplier Device Package	100-LQFP (14x14)	Speed	100MHz
Series	Kinetis K30	RAM Size	128K x 8
Program Memory Type	FLASH	Program Memory Size	512KB (512K x 8)
Peripherals	DMA, I ² S, LCD, LVD, POR, PWM, WDT	Packaging	Tray
Package / Case	100-LQFP	Oscillator Type	Internal
Operating Temperature	-40°C ~ 105°C (TA)	Number of I/O	66
Moisture Sensitivity Level (MSL)	3 (168 Hours)	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
EEPROM Size	-	Detailed Description	ARM® Cortex®-M4 Kinetis K30 Microcontroller IC 32-Bit 100MHz 512KB (512K x 8) FLASH 100-LQFP (14x14)
Data Converters	A/D 38x16b, D/A 1x12b	Core Size	32-Bit
Core Processor	ARM® Cortex®-M4	Connectivity	CANbus, I ² C, IrDA, SD, SPI, UART/USART
Base Part Number	MK30DN512		
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	Part#: MK3013FE-R52 Description: RES 301K OHM 1/4W 1% AXIAL	Manufacturers: Ohmite	RFQ
	Part#: MK30DX128VLH7 Description: IC MCU 32BIT 128KB FLASH 64LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MK30DN512ZVMD10 Description: IC MCU 32BIT 512KB FLASH 144BGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MK3010FE-R52 Description: RES 301 OHM 1/4W 1% AXIAL	Manufacturers: Ohmite	RFQ
	Part#: MK30DX128VLK7 Description: IC MCU 32BIT 128KB FLASH 80LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MK30DN512ZVLK10 Description: IC MCU 32BIT 512KB FLASH 80LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
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	Part#: MK30DN512VLQ10 Description: IC MCU 32BIT 512KB FLASH 144LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ

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