

PK51X256CLK100



Part Number: [PK51X256CLK100](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: IC MCU 32BIT 256KB FLASH 80LQFP

Data sheet:

RoHs Status: Lead free / RoHS Compliant

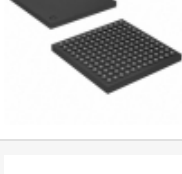
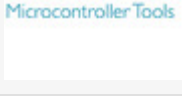
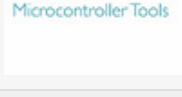
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PRODUCT PARAMETER			
Part Number	PK51X256CLK100	Manufacturer	NXP Semiconductors / Freescale
Description	IC MCU 32BIT 256KB FLASH 80LQFP	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	4729 pcs	Data sheet	
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	1.71 V ~ 3.6 V
Supplier Device Package	80-LQFP (12x12)	Speed	100MHz
Series	Kinetis K50	RAM Size	64K x 8
Program Memory Type	FLASH	Program Memory Size	256KB (256K x 8)
Peripherals	DMA, I ² S, LCD, LVD, POR, PWM, WDT	Packaging	Tray
Package / Case	80-LQFP	Oscillator Type	Internal
Operating Temperature	-40°C ~ 85°C (TA)	Number of I/O	39
Moisture Sensitivity Level (MSL)	3 (168 Hours)	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
EEPROM Size	4K x 8	Detailed Description	ARM® Cortex®-M4 Kinetis K50 Microcontroller IC 32-Bit 100MHz 256KB (256K x 8) FLASH 80-LQFP (12x12)
Data Converters	A/D 23x16b, D/A 2x12b	Core Size	32-Bit
Core Processor	ARM® Cortex®-M4	Connectivity	I ² C, IrDA, SPI, UART/USART, USB, USB OTG
Base Part Number	PK51X256		
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	Part#: PK52N512CLQ100 Description: IC MCU 32BIT 512KB FLASH 144LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: PK50X256CLL100 Description: IC MCU 32BIT 256KB FLASH 100LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: PK51-SM-LC Description: PK51 SUPPORT EXTENSION (LIC)	Manufacturers: ARM	RFQ
	Part#: PK51N512CLL100 Description: IC MCU 32BIT 512KB FLASH 100LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: PK51-LC Description: PK51 PROFESSIONAL DEV KIT LC	Manufacturers: ARM	RFQ
	Part#: PK51-UF-LC Description: PK51 S&M RESTART (FLOATING) LIC	Manufacturers: ARM	RFQ
	Part#: PK51N512CLQ100 Description: IC MCU 32BIT 512KB FLASH 144LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: PK50X256CMC100 Description: IC MCU 32BIT 256KB FLASH 121BGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: PK51-DONGLE-UGD Description: KIT PROFESSIONAL DEVELOPER 8051	Manufacturers: ARM	RFQ
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	Part#: PK51N256CLQ100 Description: IC MCU 32BIT 256KB FLASH 144LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: PK51N256CMD100 Description: IC MCU 32BIT 256KB FLASH 144BGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: PK51X256CLL100 Description: IC MCU 32BIT 256KB FLASH 100LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: PK51-UD-LC Description: PK51 S&M RESTART LIC	Manufacturers: ARM	RFQ
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	Part#: PK51-SMF-LC Description: PK51 SUPPORT EXTENSION (FLOAT LI	Manufacturers: ARM	RFQ
	Part#: PK52N512CMD100 Description: IC MCU 32BIT 512KB FLASH 144BGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: PK51-F-LC Description: PK51 FLOATING LC	Manufacturers: ARM	RFQ

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