

PK51N256CLQ100



Part Number: [PK51N256CLQ100](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: IC MCU 32BIT 256KB FLASH 144LQFP

Data sheet:

RoHs Status: Lead free / RoHS Compliant

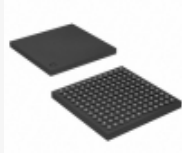
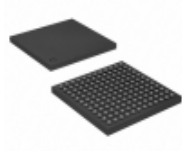
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PRODUCT PARAMETER			
Part Number	PK51N256CLQ100	Manufacturer	NXP Semiconductors / Freescale
Description	IC MCU 32BIT 256KB FLASH 144LQFP	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	5628 pcs	Data sheet	
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	1.71 V ~ 3.6 V
Supplier Device Package	144-LQFP (20x20)	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	144-LQFP	Oscillator Type	Internal
Operating Temperature	-40°C ~ 85°C (TA)	Number of I/O	94
Moisture Sensitivity Level (MSL)	3 (168 Hours)	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
EEPROM Size	-	Detailed Description	ARM® Cortex®-M4 Kinetis K50 Microcontroller IC 32-Bit 100MHz 256KB (256K x 8) FLASH 144-LQFP (20x20)
Data Converters	A/D 25x16b, D/A 2x12b	Core Size	32-Bit
Core Processor	ARM® Cortex®-M4	Connectivity	EBI/EMI, I ² C, IrDA, SD, SPI, UART/USART, USB, USB OTG
Base Part Number	PK51N256		
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RELATED PRODUCTS			
	Part#: PK51N512CLL100 Description: IC MCU 32BIT 512KB FLASH 100LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: PK51X256CLK100 Description: IC MCU 32BIT 256KB FLASH 80LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: PK51-DONGLE-UGD Description: KIT PROFESSIONAL DEVELOPER 8051	Manufacturers: ARM	RFQ
	Part#: PK51N256CMD100 Description: IC MCU 32BIT 256KB FLASH 144BGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: PK51-T-LC Description: PK51 1 YEAR TERM LC	Manufacturers: ARM	RFQ
	Part#: PK51X256CLL100 Description: IC MCU 32BIT 256KB FLASH 100LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: PK51-LC Description: PK51 PROFESSIONAL DEV KIT LC	Manufacturers: ARM	RFQ
	Part#: PK51-SMF-LC Description: PK51 SUPPORT EXTENSION (FLOAT LI	Manufacturers: ARM	RFQ
	Part#: PK51-UF-LC Description: PK51 S&M RESTART (FLOATING) LIC	Manufacturers: ARM	RFQ
	Part#: PK51N512CMD100 Description: IC MCU 32BIT 512KB FLASH 144BGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: PK52N512CMD100 Description: IC MCU 32BIT 512KB FLASH 144BGA	Manufacturers: NXP Semiconductors	