

PK50N512CMD100



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Part Number: [PK50N512CMD100](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: IC MCU 32BIT 512KB FLASH 144BGA

Data sheet:

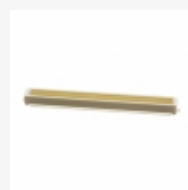
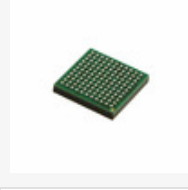
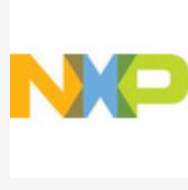
RoHs Status: Lead free / RoHS Compliant

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PRODUCT PARAMETER			
Part Number	PK50N512CMD100	Manufacturer	NXP Semiconductors / Freescale
Description	IC MCU 32BIT 512KB FLASH 144BGA	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	5656 pcs	Data sheet	
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	1.71 V ~ 3.6 V
Supplier Device Package	144-MAPBGA (13x13)	Speed	100MHz
Series	Kinetis K50	RAM Size	128K x 8
Program Memory Type	FLASH	Program Memory Size	512KB (512K x 8)
Peripherals	DMA, I ² S, LVD, POR, PWM, WDT	Packaging	Tray
Package / Case	144-LBGA	Oscillator Type	Internal
Operating Temperature	-40°C ~ 85°C (TA)	Number of I/O	96
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 512KB (512K x 8) FLASH 144-MAPBGA (13x13)
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	PK50N512		
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	Part#: PK50B1/4 Description: KNOB KNURLED W/SKRT 0.250" PLAST	Manufacturers: Agastat Relays / TE Connectivity	RFQ
	Part#: PK50N512CLL100 Description: IC MCU 32BIT 512KB FLASH 100LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: PK5-160S-CLT-4-GGF Description: CONN SOCKET 160POS .5MM SMD	Manufacturers: 3M	RFQ
	Part#: PK51-DONGLE-UGD Description: KIT PROFESSIONAL DEVELOPER 8051	Manufacturers: ARM	RFQ
	Part#: PK51-T Description: KIT PRO DEVELOPER 1 YR LICENSE	Manufacturers: ARM	RFQ
	Part#: PK50X256CLK100 Description: IC MCU 32BIT 256KB FLASH 80LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: PK51-F-LC Description: PK51 FLOATING LC	Manufacturers: ARM	RFQ
	Part#: PK50B1/8 Description: KNOB KNURLED W/SKRT 0.126" PLAST	Manufacturers: Agastat Relays / TE Connectivity	RFQ
	Part#: PK50N512CMC100 Description: IC MCU 32BIT 512KB FLASH 121BGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: PK50X256CMC100 Description: IC MCU 32BIT 256KB FLASH 121BGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: PK51-LC Description: PK51 PROFESSIONAL DEV KIT LC	Manufacturers: ARM	RFQ
	Part#: PK50N512CLQ100 Description: IC MCU 32BIT 512KB FLASH 144LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: PK500PT-1 Description: PRB TIP FOR D500PT 2/BG	Manufacturers: LeCroy (Teledyne LeCroy)	RFQ
	Part#: PK50X256CLL100 Description: IC MCU 32BIT 256KB FLASH 100LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: PK5-160S-CLT-3-GGF Description: CONN SOCKET 160POS .5MM SMD	Manufacturers: 3M	RFQ
	Part#: PK51 Description: KIT PROFESSIONAL DEVELOPER 8051	Manufacturers: ARM	RFQ
	Part#: PK51-SMF-LC Description: PK51 SUPPORT EXTENSION (FLOAT LI	Manufacturers: ARM	RFQ
	Part#: PK5-160S-T-4-GGF Description: CONN SOCKET 160POS .5MM STR SMD	Manufacturers: 3M	RFQ

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