

PK30N512VMD100



Part Number: [PK30N512VMD100](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: IC MCU 32BIT 512KB FLASH 144BGA

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

RoHs Status: Lead free / RoHS Compliant

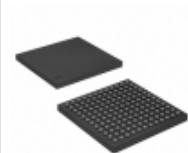
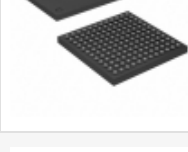
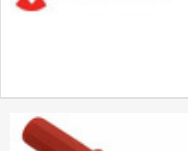
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PRODUCT PARAMETER			
Part Number	PK30N512VMD100	Manufacturer	NXP Semiconductors / Freescale
Description	IC MCU 32BIT 512KB FLASH 144BGA	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	5371 pcs	Data sheet	K30 系列产品概述 K30 Family Fact Sheet
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	1.71 V ~ 3.6 V
Supplier Device Package	144-MAPBGA (13x13)	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	144-LBGA	Oscillator Type	Internal
Operating Temperature	-40°C ~ 105°C (TA)	Number of I/O	102
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 144-MAPBGA (13x13)
Data Converters	A/D 31x16b, D/A 2x12b	Core Size	32-Bit
Core Processor	ARM® Cortex®-M4	Connectivity	CANbus, EBI/EMI, I ² C, IrDA, SD, SPI, UART/USART
Base Part Number	PK30N512		
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RELATED PRODUCTS			
	Part#: PK30X-3 Description: BANANA JAW CLIP RE	Manufacturers: LeCroy (Teledyne LeCroy)	RFQ
	Part#: PK30N512VLL100 Description: IC MCU 32BIT 512KB FLASH 100LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: PK30N512VLK100 Description: IC MCU 32BIT 512KB FLASH 80LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: PK30X-4 Description: BANANA CLAMP CLIPS	Manufacturers: LeCroy (Teledyne LeCroy)	RFQ
	Part#: PK3020KB Description: KIT KEYPAD, MOUSE, AND USB HUB	Manufacturers: Tripp Lite	RFQ
	Part#: PIC18F25K83T-I/SS Description: FLASH	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: MC908QC16CDTE Description: IC MCU 8BIT 16KB FLASH 16TSSOP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: PK30X-2 Description: BANANA ALLIGATOR CLIPS	Manufacturers: LeCroy (Teledyne LeCroy)	RFQ
	Part#: PK3021LI Description: KIT LIGHT, MOUSE, AND USB HUB	Manufacturers: Tripp Lite	RFQ
	Part#: PK30X-1 Description: BANANA PLUG HOOK	Manufacturers: LeCroy (Teledyne LeCroy)	RFQ
	Part#: PK350ST-1 Description: KIT DMPNG RESISTOR FOR D350ST-SI	Manufacturers: LeCroy (Teledyne LeCroy)	RFQ
	Part#: PK3022ET Description: KIT CAT5 CABLE MOUSE USB HUB	Manufacturers: Tripp Lite	RFQ
	Part#: PK30X256VMD100 Description: IC MCU 32BIT 256KB FLASH 144BGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: TS80C32X2-LIB Description: IC MCU 8BIT ROMLESS 44PLCC	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: PK30X256VLQ100 Description: IC MCU 32BIT 256KB FLASH 144LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: PK30X128VLQ100 Description: IC MCU 32BIT 128KB FLASH 144LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: PK30X128VMD100 Description: IC MCU 32BIT 128KB FLASH 144BGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: PK30N512VLQ100 Description: IC MCU 32BIT 512KB FLASH 144LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: PIC17C42AT-25/PQ Description: IC MCU 8BIT 4KB OTP 44MQFP	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: PK30X-5 Description: BANANA SPADE TERM	Manufacturers: LeCroy (Teledyne LeCroy)	RFQ

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