

PK30N512VLK100



Part Number: [PK30N512VLK100](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: IC MCU 32BIT 512KB FLASH 80LQFP

Data sheet:

RoHs Status: Lead free / RoHS Compliant

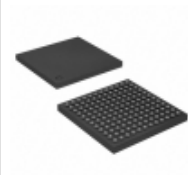
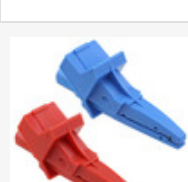
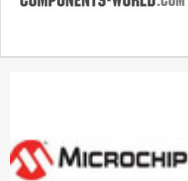
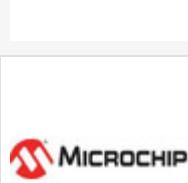
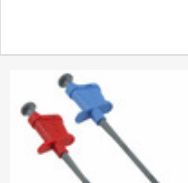
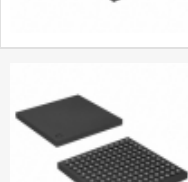
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PRODUCT PARAMETER			
Part Number	PK30N512VLK100	Manufacturer	NXP Semiconductors / Freescale
Description	IC MCU 32BIT 512KB FLASH 80LQFP	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	5975 pcs	Data sheet	
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	1.71 V ~ 3.6 V
Supplier Device Package	80-LQFP (12x12)	Speed	100MHz
Series	Kinetis 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	80-LQFP	Oscillator Type	Internal
Operating Temperature	-40°C ~ 105°C (TA)	Number of I/O	56
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 80-LQFP (12x12)
Data Converters	A/D 22x16b, 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	PK30N512		
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RELATED PRODUCTS			
	Part#: PK30X-3 Description: BANANA JAW CLIP RE	Manufacturers: LeCroy (Teledyne LeCroy)	RFQ
	Part#: V-6592 Description: IC MCU	Manufacturers: Renesas Electronics America	RFQ
	Part#: PK30X-5 Description: BANANA SPADE TERM	Manufacturers: LeCroy (Teledyne LeCroy)	RFQ
	Part#: PK30N512VLQ100 Description: IC MCU 32BIT 512KB FLASH 144LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: PK30X128VMD100 Description: IC MCU 32BIT 128KB FLASH 144BGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: PK30X-1 Description: BANANA PLUG HOOK	Manufacturers: LeCroy (Teledyne LeCroy)	RFQ
	Part#: PK30X256VLQ100 Description: IC MCU 32BIT 256KB FLASH 144LQFP	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#: PK30X128VLQ100 Description: IC MCU 32BIT 128KB FLASH 144LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: PK30N512VLL100 Description: IC MCU 32BIT 512KB FLASH 100LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: PK350ST-1 Description: KIT DMPNG RESISTOR FOR D350ST-SI	Manufacturers: LeCroy (Teledyne LeCroy)	RFQ
	Part#: LM3S611-EQN50-C2 Description: IC MCU 32BIT 32KB FLASH 48LQFP	Manufacturers: N/A	RFQ
	Part#: PIC16F74T-E/L Description: IC MCU 8BIT 7KB FLASH 44PLCC	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATMEGA324P-20PU Description: IC MCU 8BIT 32KB FLASH 40DIP	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: PK30X-4 Description: BANANA CLAMP CLIPS	Manufacturers: LeCroy (Teledyne LeCroy)	RFQ
	Part#: PK3022ET Description: KIT CAT5 CABLE MOUSE USB HUB	Manufacturers: Tripp Lite	RFQ
	Part#: PK3020KB Description: KIT KEYPAD, MOUSE, AND USB HUB	Manufacturers: Tripp Lite	RFQ
	Part#: PK30X256VMD100 Description: IC MCU 32BIT 256KB FLASH 144BGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: PK30N512VMD100 Description: IC MCU 32BIT 512KB FLASH 144BGA	Manufacturers: NXP Semiconductors / Freescale	RFQ

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