

PK20FX512VLQ12



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Part Number: [PK20FX512VLQ12](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: IC MCU 32BIT 512KB FLASH 144LQFP

Data sheet:  [Kinetis Mask Set 3N96B Errata](#)
 [K20_LQ/MD12 Datasheet](#)
 [K2x USB MCU Family Fact Sheet](#)
 [K20 系列产品概述](#)
 [K20_LQ/MD12 Ref Manual](#)

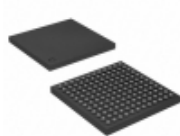
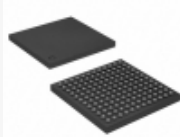
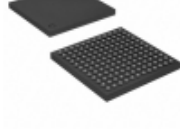
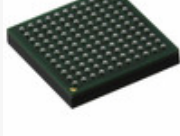
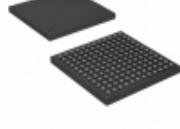
RoHs Status: Lead free / RoHS Compliant

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PRODUCT PARAMETER			
Part Number	PK20FX512VLQ12	Manufacturer	NXP Semiconductors / Freescale
Description	IC MCU 32BIT 512KB FLASH 144LQFP	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	5258 pcs	Data sheet	Kinetis Mask Set 3N96B Errata K20_LQ/MD12 Datasheet K2x USB MCU Family Fact Sheet K20 系列产品概述 K20_LQ/MD12 Ref Manual
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	1.71 V ~ 3.6 V
Supplier Device Package	144-LQFP (20x20)	Speed	120MHz
Series	Kinetis K20	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	Bulk
Package / Case	144-LQFP	Oscillator Type	Internal
Operating Temperature	-40°C ~ 105°C (TA)	Number of I/O	100
Moisture Sensitivity Level (MSL)	3 (168 Hours)	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
EEPROM Size	16K x 8	Detailed Description	ARM® Cortex®-M4 Kinetis K20 Microcontroller IC 32-Bit 120MHz 512KB (512K x 8) FLASH 144-LQFP (20x20)
Data Converters	A/D 45x16b, D/A 2x12b	Core Size	32-Bit
Core Processor	ARM® Cortex®-M4	Connectivity	CANbus, EBI/EMI, I ² C, IrDA, SD, SPI, UART/USART, USB, USB OTG
Base Part Number	PK20FX512		
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	Part#: PK20N512VMC100 Description: IC MCU 32BIT 512KB FLASH 121BGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: PK2-5MM-101 Description: SPRING HOOK FOR PP010	Manufacturers: LeCroy (Teledyne LeCroy)	RFQ
	Part#: PK20N512VLQ100 Description: IC MCU 32BIT 512KB FLASH 144LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: PK2-10R-T Description: CONN RING CIRC 2AWG #10 CRIMP	Manufacturers: Panduit	RFQ
	Part#: PK20N512VLK100 Description: IC MCU 32BIT 512KB FLASH 80LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: PK20X256VLK100 Description: IC MCU 32BIT 256KB FLASH 80LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: PK2-38R-T Description: CONN RING CIRC 2AWG #3/8 CRIMP	Manufacturers: Panduit	RFQ
	Part#: PK2-12R-T Description: CONN RING CIRC 2AWG #1/2 CRIMP	Manufacturers: Panduit	RFQ
	Part#: PK2-56R-T Description: CONN RING CIRC 2AWG #5/16 CRIMP	Manufacturers: Panduit	RFQ
	Part#: PK20X128VLQ100 Description: IC MCU 32BIT 128KB FLASH 144LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: PK2-5MM-102 Description: PROBE STD GRD LEAD	Manufacturers: LeCroy (Teledyne LeCroy)	RFQ
	Part#: PK2-14R-T Description: CONN RING CIRC 2AWG #1/4 CRIMP	Manufacturers: Panduit	RFQ
	Part#: PK20N512VLL100 Description: IC MCU 32BIT 512KB FLASH 100LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: PK20 Description: CBL CLIP CONDUIT BLACK BEAM	Manufacturers: Panduit	RFQ
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	Part#: PK21DX256VMB5 Description: IC MCU 32BIT 256KB FLASH 121BGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: PK20FX512VMD12 Description: IC MCU 32BIT 512KB FLASH 144BGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: PK20X256VLQ100 Description: IC MCU 32BIT 256KB FLASH 144LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ

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