

PK10N512VLQ100



Part Number: [PK10N512VLQ100](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: IC MCU 32BIT 512KB FLASH 144LQFP

Data sheet:

RoHs Status: Lead free / RoHS Compliant

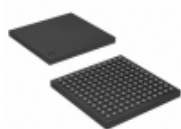
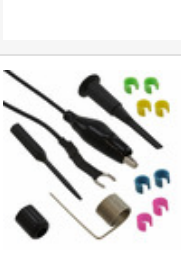
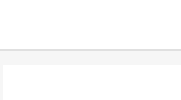
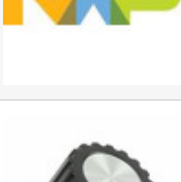
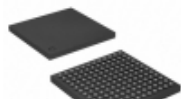
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PRODUCT PARAMETER			
Part Number	PK10N512VLQ100	Manufacturer	NXP Semiconductors / Freescale
Description	IC MCU 32BIT 512KB FLASH 144LQFP	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	5423 pcs	Data sheet	
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	1.71 V ~ 3.6 V
Supplier Device Package	144-LQFP (20x20)	Speed	100MHz
Series	Kinetis K10	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-LQFP	Oscillator Type	Internal
Operating Temperature	-40°C ~ 105°C (TA)	Number of I/O	104
Moisture Sensitivity Level (MSL)	3 (168 Hours)	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
EEPROM Size	-	Detailed Description	ARM® Cortex®-M4 Kinetis K10 Microcontroller IC 32-Bit 100MHz 512KB (512K x 8) FLASH 144-LQFP (20x20)
Data Converters	A/D 37x16b, 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	PK10N512		
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	Part#: PK10N512VMD100 Description: IC MCU 32BIT 512KB FLASH 144BGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: PK10X256VLQ100 Description: IC MCU 32BIT 256KB FLASH 144LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: PK10M-080PP-TH3-DA Description: CONN PLUG 80POS 1MM R/A T/H	Manufacturers: 3M	RFQ
	Part#: PK10M-080PP-THR-DA Description: CONN PLUG 80POS R/A 1MM T/H	Manufacturers: 3M	RFQ
	Part#: PK10N512VLK100 Description: IC MCU 32BIT 512KB FLASH 80LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: PK10M-080PP-THR-TGF Description: CONN PLUG 80POS R/A 1MM T/H	Manufacturers: 3M	RFQ
	Part#: PK116 Description: PP006 SPARE ACCES KIT	Manufacturers: LeCroy (Teledyne LeCroy)	RFQ
	Part#: PK10M-080PP-TH4-DA Description: CONN PLUG 80POS 1MM R/A T/H	Manufacturers: 3M	RFQ
	Part#: PK10M-080PP-TH1-DA Description: CONN PLUG 80POS 1MM R/A T/H	Manufacturers: 3M	RFQ
	Part#: PK10X128VLQ100 Description: IC MCU 32BIT 128KB FLASH 144LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: PK1100B1/4 Description: KNOB SERRATED 0.250" PLASTIC	Manufacturers: Agastat Relays / TE Connectivity	RFQ
	Part#: PK10M-080PP-TH2-DA Description: CONN PLUG 80POS 1MM R/A T/H	Manufacturers: 3M	RFQ
	Part#: PK10X256VMD100 Description: IC MCU 32BIT 256KB FLASH 144BGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: PK1100B1/8 Description: KNOB SERRATED 0.126" PLASTIC	Manufacturers: Agastat Relays / TE Connectivity	RFQ
	Part#: PK10X128VMD100 Description: IC MCU 32BIT 128KB FLASH 144BGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: PK110 Description: PROBE ACCESSORY KIT HFP1000	Manufacturers: LeCroy (Teledyne LeCroy)	RFQ
	Part#: PK10M-080S-SMT-TGF Description: CONN SOCKET 80POS 1MM STR SMD	Manufacturers: 3M	RFQ
	Part#: PK111 Description: ACCY KIT - ZD500 ZD1000 ZD1500	Manufacturers: LeCroy (Teledyne LeCroy)	RFQ
	Part#: PK10N512VLL100 Description: IC MCU 32BIT 512KB FLASH 100LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: PK10M-080SP-SMT-DA Description: CONN SOCKET 80POS 1MM STR SMD	Manufacturers: 3M	RFQ

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