

PK40N512VMD100



Part Number: [PK40N512VMD100](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: IC MCU 32BIT 512KB FLASH 144BGA

Data sheet:

RoHs Status: Lead free / RoHS Compliant

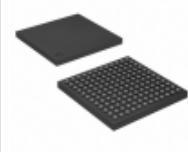
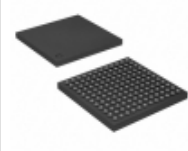
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PRODUCT PARAMETER			
Part Number	PK40N512VMD100	Manufacturer	NXP Semiconductors / Freescale
Description	IC MCU 32BIT 512KB FLASH 144BGA	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	4046 pcs	Data sheet	
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	1.71 V ~ 3.6 V
Supplier Device Package	144-MAPBGA (13x13)	Speed	100MHz
Series	Kinetis K40	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	98
Moisture Sensitivity Level (MSL)	3 (168 Hours)	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
EEPROM Size	-	Detailed Description	ARM® Cortex®-M4 Kinetis K40 Microcontroller IC 32-Bit 100MHz 512KB (512K x 8) FLASH 144-MAPBGA (13x13)
Data Converters	A/D 27x16b, 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	PK40N512		
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RELATED PRODUCTS			
	Part#: PK4-5MM-2 Description: GND LEAD W/ALLIGATOR QTY 10	Manufacturers: LeCroy (Teledyne LeCroy)	RFQ
	Part#: PK40N512VLL100 Description: IC MCU 32BIT 512KB FLASH 100LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: PK4-5MM-1 Description: SPRUNG HOOK, 5MM, BLACK QTY 10	Manufacturers: LeCroy (Teledyne LeCroy)	RFQ
	Part#: PK4-5MM-5 Description: DELUXE TRIMMER TOOL QTY 10	Manufacturers: LeCroy (Teledyne LeCroy)	RFQ
	Part#: PK40X256VMD100 Description: IC MCU 32BIT 256KB FLASH 144BGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: PK4-5MM-6 Description: IC TIP INSULATOR BLACK QTY 10	Manufacturers: LeCroy (Teledyne LeCroy)	RFQ
	Part#: PK4-5MM-7 Description: TIP INSULATOR BLACK QTY 10	Manufacturers: LeCroy (Teledyne LeCroy)	RFQ
	Part#: PK400-2 Description: PROBE MED GRIPPER .04" 10PCS	Manufacturers: LeCroy (Teledyne LeCroy)	RFQ
	Part#: PK400-1 Description: PROBE LARGE GRIPPERS .10" 10PCS	Manufacturers: LeCroy (Teledyne LeCroy)	RFQ
	Part#: PK4-5MM-4 Description: REPLACEMENT TIP, BLACK QTY 10	Manufacturers: LeCroy (Teledyne LeCroy)	RFQ
	Part#: PK40N512VLQ100 Description: IC MCU 32BIT 512KB FLASH 144LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: PK4-5MM-9 Description: PROBE TIP GND QTY 10	Manufacturers: LeCroy (Teledyne LeCroy)	RFQ
	Part#: PK40X128VMD100 Description: IC MCU 32BIT 128KB FLASH 144BGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: PK40X256VLQ100 Description: IC MCU 32BIT 256KB FLASH 144LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: PK400-0 Description: EXTRA LARGE GRIPPER PROBE SET	Manufacturers: LeCroy (Teledyne LeCroy)	RFQ
	Part#: PK40X128VLQ100 Description: IC MCU 32BIT 128KB FLASH 144LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: PK4-5MM-3 Description: BNC ADAPTER, 5MM QTY 10	Manufacturers: LeCroy (Teledyne LeCroy)	RFQ
	Part#: PK400-3 Description: PROBE SMALL GRIPPER .008" 10PCS	Manufacturers: LeCroy (Teledyne LeCroy)	RFQ
	Part#: PK4-5MM-8 Description: IDENTIFIER RINGS 5 COLOR 2 PCS	Manufacturers: LeCroy (Teledyne LeCroy)	RFQ
	Part#: PK40N512VLK100 Description: IC MCU 32BIT 512KB FLASH 80LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ

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