

MKL46Z256VLL4



Part Number: [MKL46Z256VLL4](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: IC MCU 32BIT 256KB FLASH 100LQFP

Data sheet:  [MKL46ZzzzVLx4](#), [MKL46ZzzzVMx4](#)
 [KL46 Sub-Family Ref Manual](#)
 [Kinetis L Mask Errata](#)
 [Embedded Solutions Brochure](#)

RoHs Status: Lead free / RoHS Compliant

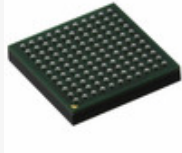
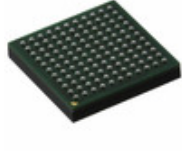
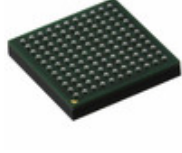
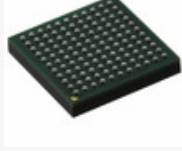
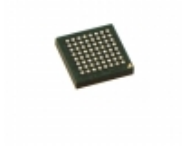
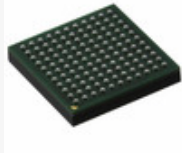
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PRODUCT PARAMETER			
Part Number	MKL46Z256VLL4	Manufacturer	NXP Semiconductors / Freescale
Description	IC MCU 32BIT 256KB FLASH 100LQFP	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	15899 pcs	Data sheet	MKL46ZzzzVLx4 , MKL46ZzzzVMx4 KL46 Sub-Family Ref Manual Kinetis L Mask Errata Embedded Solutions Brochure
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	1.71 V ~ 3.6 V
Supplier Device Package	100-LQFP (14x14)	Speed	48MHz
Series	Kinetis KL4	RAM Size	32K x 8
Program Memory Type	FLASH	Program Memory Size	256KB (256K x 8)
Peripherals	Brown-out Detect/Reset, DMA, I ² S, LVD, POR, PWM, WDT	Packaging	Tray
Package / Case	100-LQFP	Other Names	935320037557
Oscillator Type	Internal	Operating Temperature	-40°C ~ 105°C (TA)
Number of I/O	84	Moisture Sensitivity Level (MSL)	3 (168 Hours)
Manufacturer Standard Lead Time	16 Weeks	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
EEPROM Size	-	Detailed Description	ARM® Cortex®-M0+ Kinetis KL4 Microcontroller IC 32-Bit 48MHz 256KB (256K x 8) FLASH 100-LQFP (14x14)
Data Converters	A/D - 16bit, D/A - 12bit	Core Size	32-Bit
Core Processor	ARM® Cortex®-M0+	Connectivity	I ² C, LINbus, SPI, UART/USART, USB, USB OTG
Base Part Number	MKL46Z256		
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	Part#: MKL46Z128VLH4 Description: IC MCU 32BIT 128KB FLASH 64LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MKL36Z64VLL4 Description: IC MCU 32BIT 64KB FLASH 100LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
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	Part#: MKL81Z128VLK7 Description: KINETIS KL81: 72MHZ CORTEX-M0+ S	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MKL81Z128VMC7 Description: KINETIS L 32-BIT MCU ARM CORTEX	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MKL46Z256VMC4 Description: IC MCU 32BIT 256KB FLASH 121BGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MKL46Z256VLH4 Description: IC MCU 32BIT 256KB FLASH 64LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MKL46Z128VMC4 Description: IC MCU 32BIT 128KB FLASH 121BGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MKL81Z128VMC7R Description: KINETIS L 32-BIT MCU ARM CORTEX	Manufacturers: NXP Semiconductors / Freescale	RFQ
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	Part#: MKL36Z64VLH4 Description: IC MCU 32BIT 64KB FLASH 64LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MKL43Z128VLH4 Description: KINETIS KL43: 48MHZ CORTEX-M0+ U	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MKL43Z256VMP4 Description: IC MCU 32BIT 256KB FLASH 64LFBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
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