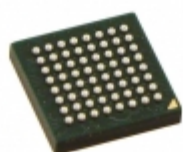


MKL16Z256VMP4



Images are for reference only.
See Product Specifications for product details.
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Part Number: [MKL16Z256VMP4](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: IC MCU 32BIT 256KB FLASH 64BGA

Data sheet:  [MKL16Z256VLH,MP4 Datasheet](#)
 [Kinetis L Mask Errata](#)
 [Embedded Solutions Brochure](#)
 [KL1x MCU Family Fact Sheet](#)

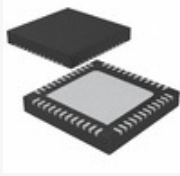
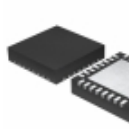
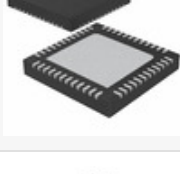
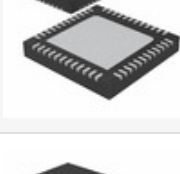
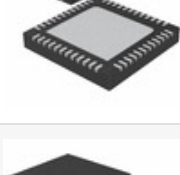
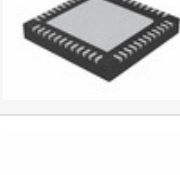
RoHs Status: Lead free / RoHS Compliant

Ship From: Hong Kong

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PRODUCT PARAMETER			
Part Number	MKL16Z256VMP4	Manufacturer	NXP Semiconductors / Freescale
Description	IC MCU 32BIT 256KB FLASH 64BGA	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	18850 pcs	Data sheet	MKL16Z256VLH,MP4 Datasheet Kinetis L Mask Errata Embedded Solutions Brochure KL1x MCU Family Fact Sheet
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	1.71 V ~ 3.6 V
Supplier Device Package	64-MAPBGA (5x5)	Speed	48MHz
Series	Kinetis KL1	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	64-LFBGA	Other Names	935312291557
Oscillator Type	Internal	Operating Temperature	-40°C ~ 105°C (TA)
Number of I/O	54	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 KL1 Microcontroller IC 32-Bit 48MHz 256KB (256K x 8) FLASH 64-MAPBGA (5x5)
Data Converters	A/D - 16bit, D/A - 12bit	Core Size	32-Bit
Core Processor	ARM® Cortex®-M0+	Connectivity	I ² C, LINbus, SPI, TSI, UART/USART
Base Part Number	MKL16Z256		
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	Part#: MKL16Z128VLH4 Description: IC MCU 32BIT 128KB FLASH 64LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MKL16Z256VMP4R Description: KINETIS KL16: 48MHZ CORTEX-M0+ U	Manufacturers: NXP Semiconductors / Freescale	RFQ
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	Part#: MKL16Z128VFM4 Description: IC MCU 32BIT 128KB FLASH 32QFN	Manufacturers: NXP USA Inc.	RFQ
	Part#: MKL16Z64VFM4R Description: KINETIS KL16: 48MHZ CORTEX-M0+ U	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MKL16Z64VLH4 Description: IC MCU 32BIT 64KB FLASH 64LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MKL16Z128VFM4R Description: KINETIS KL16: 48MHZ CORTEX-M0+ U	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MKL15Z64VLK4 Description: IC MCU 32BIT 64KB FLASH 80LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MKL16Z32VFM4 Description: IC MCU 32BIT 32KB FLASH 32QFN	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MKL16Z256VLH4R Description: KINETIS KL16: 48MHZ CORTEX-M0+ U	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MKL16Z64VFT4R Description: KINETIS KL16: 48MHZ CORTEX-M0+ U	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MKL15Z64VLH4 Description: IC MCU 32BIT 64KB FLASH 64LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
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	Part#: MKL16Z64VFM4 Description: IC MCU 32BIT 64KB FLASH 32QFN	Manufacturers: NXP Semiconductors / Freescale	RFQ
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