

MKL05Z32VLF4



Part Number: [MKL05Z32VLF4](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: IC MCU 32BIT 32KB FLASH 48LQFP

Data sheet:  [KL04,KL05 Product Brief](#)
 [KL05 Sub-Family Manual](#)
 [KL05_FK/FM/LC/LF4 Datasheet](#)

RoHs Status: Lead free / RoHS Compliant

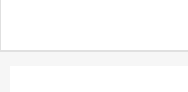
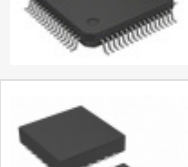
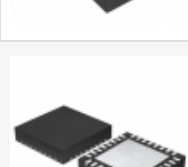
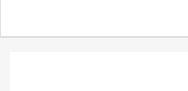
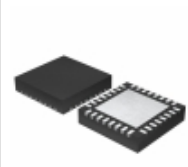
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PRODUCT PARAMETER			
Part Number	MKL05Z32VLF4	Manufacturer	NXP Semiconductors / Freescale
Description	IC MCU 32BIT 32KB FLASH 48LQFP	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	32492 pcs	Data sheet	KL04,KL05 Product Brief KL05 Sub-Family Manual KL05_FK/FM/LC/LF4 Datasheet
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	1.71 V ~ 3.6 V
Supplier Device Package	48-LQFP (7x7)	Speed	48MHz
Series	Kinetis KL0	RAM Size	4K x 8
Program Memory Type	FLASH	Program Memory Size	32KB (32K x 8)
Peripherals	Brown-out Detect/Reset, DMA, LVD, POR, PWM, WDT	Packaging	Tray
Package / Case	48-LQFP	Other Names	935317844557
Oscillator Type	Internal	Operating Temperature	-40°C ~ 105°C (TA)
Number of I/O	41	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 KL0 Microcontroller IC 32-Bit 48MHz 32KB (32K x 8) FLASH 48-LQFP (7x7)
Data Converters	A/D 14x12b, D/A 1x12b	Core Size	32-Bit
Core Processor	ARM® Cortex®-M0+	Connectivity	I²C, SPI, UART/USART
Base Part Number	MKL05Z32		
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	Part#: MKL05Z16VLF4 Description: IC MCU 32BIT 16KB FLASH 48LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MKL05Z16VLC4 Description: IC MCU 32BIT 16KB FLASH 32LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
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