

MKL02Z32VFM4R



Part Number: [MKL02Z32VFM4R](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: KINETIS KL02: 48MHZ CORTEX-M0+ U

Data sheet:  [MKL02ZxxVFX4](#)

RoHs Status:

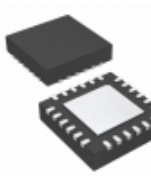
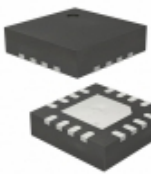
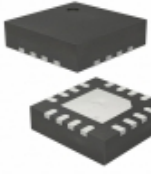
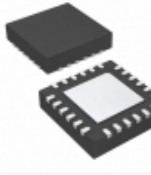
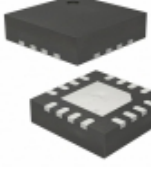
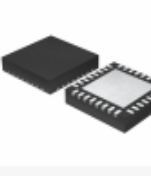
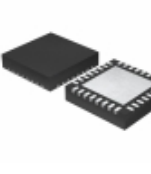
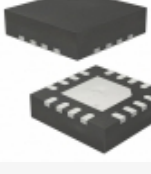
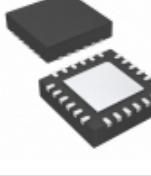
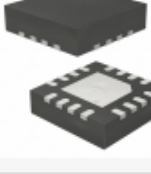
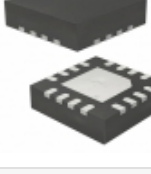
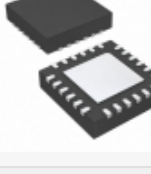
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PRODUCT PARAMETER			
Part Number	MKL02Z32VFM4R	Manufacturer	NXP Semiconductors / Freescale
Description	KINETIS KL02: 48MHZ CORTEX-M0+ U	Lead Free Status / RoHS Status	
Quantity Available	88821 pcs	Data sheet	MKL02ZxxVFX4
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	1.71 V ~ 3.6 V
Supplier Device Package	32-QFN (5x5)	Speed	48MHz
Series	Kinetis KL02	RAM Size	4K x 8
Program Memory Type	FLASH	Program Memory Size	32KB (32K x 8)
Peripherals	Brown-out Detect/Reset, LVD, POR, PWM, WDT	Packaging	Tape & Reel (TR)
Package / Case	32-VQFN Exposed Pad	Other Names	935321818528
Oscillator Type	Internal	Operating Temperature	-40°C ~ 105°C (TA)
Number of I/O	28	Moisture Sensitivity Level (MSL)	3 (168 Hours)
Manufacturer Standard Lead Time	13 Weeks	EEPROM Size	-
Detailed Description	ARM® Cortex®-M0+ Kinetis KL02 Microcontroller IC 32-Bit 48MHz 32KB (32K x 8) FLASH 32-QFN (5x5)	Data Converters	A/D 14x12b
Core Size	32-Bit	Core Processor	ARM® Cortex®-M0+
Connectivity	PC, SPI, UART/USART		
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	Part#: MKL02Z8VFG4 Description: IC MCU 32BIT 8KB FLASH 16QFN	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MKL03Z32CBF4R Description: IC MCU 32BIT 32KB FLASH 20WLCSP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MKL02Z32CAF4R Description: IC MCU 32BIT 32KB FLASH 20WLCSP	Manufacturers: NXP Semiconductors / Freescale	RFQ
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	Part#: MKL02Z16VFK4 Description: IC MCU 32BIT 16KB FLASH 24QFN	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MKL03Z32CAF4R Description: IC MCU 32BIT 32KB FLASH 20WLCSP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MKL03Z16VFK4R Description: KINETIS KL03: 48MHZ CORTEX-M0+ U	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MKL02Z16VFG4R Description: IC MCU 32BIT 16KB FLASH 16QFN	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MKL02Z16VFM4 Description: IC MCU 32BIT 16KB FLASH 32QFN	Manufacturers: NXP Semiconductors / Freescale	RFQ
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	Part#: MKL03Z32VFG4R Description: KINETIS KL03: 48MHZ CORTEX-M0+ U	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MKL02Z8VFG4R Description: IC MCU 32BIT 8KB FLASH 16QFN	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MKL02Z32VFG4 Description: IC MCU 32BIT 32KB FLASH 16QFN	Manufacturers: NXP Semiconductors / Freescale	RFQ
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