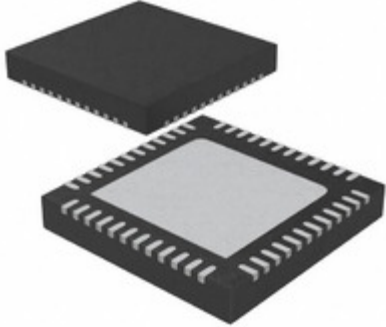


MKL16Z32VFT4



Images are for reference only.
See Product Specifications for product details.
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Part Number: [MKL16Z32VFT4](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: IC MCU 32BIT 32KB FLASH 48QFN

Data sheet:  [KL16 Sub-Family Datasheet](#)
 [Embedded Solutions Brochure](#)
 [KL1x MCU Family Fact Sheet](#)

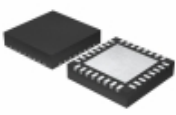
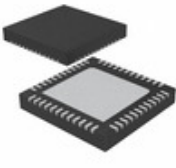
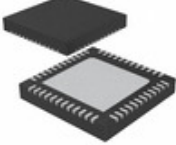
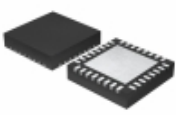
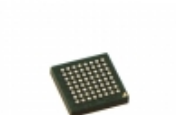
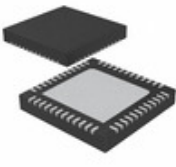
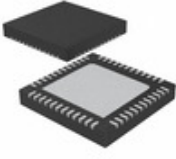
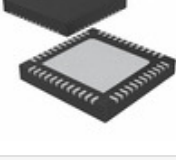
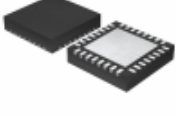
RoHs Status: Lead free / RoHS Compliant

Ship From: Hong Kong

Shipment Way: DHL/Fedex/TNT/UPS/EMS

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PRODUCT PARAMETER			
Part Number	MKL16Z32VFT4	Manufacturer	NXP Semiconductors / Freescale
Description	IC MCU 32BIT 32KB FLASH 48QFN	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	39208 pcs	Data sheet	KL16 Sub-Family Datasheet 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	48-QFN (7x7)	Speed	48MHz
Series	Kinetis KL1	RAM Size	4K x 8
Program Memory Type	FLASH	Program Memory Size	32KB (32K x 8)
Peripherals	Brown-out Detect/Reset, DMA, I ² S, LVD, POR, PWM, WDT	Packaging	Tray
Package / Case	48-VFQFN Exposed Pad	Other Names	935318334557
Oscillator Type	Internal	Operating Temperature	-40°C ~ 105°C (TA)
Number of I/O	40	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 32KB (32K x 8) FLASH 48-QFN (7x7)
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	MKL16Z32		
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	Part#: MKL16Z32VFT4R Description: KINETIS KL16: 48MHZ CORTEX-M0+ U	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MKL16Z256VLH4 Description: IC MCU 32BIT 256KB FLASH 64LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MKL16Z64VFM4 Description: IC MCU 32BIT 64KB FLASH 32QFN	Manufacturers: NXP Semiconductors / Freescale	RFQ
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	Part#: MKL16Z256VMP4 Description: IC MCU 32BIT 256KB FLASH 64BGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MKL16Z128VFM4R 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#: MKL16Z128VLH4 Description: IC MCU 32BIT 128KB FLASH 64LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MKL16Z64VFM4R Description: KINETIS KL16: 48MHZ CORTEX-M0+ U	Manufacturers: NXP Semiconductors / Freescale	RFQ
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	Part#: MKL17Z128VFM4R Description: KINETIS KL17: 48MHZ CORTEX-M0+ U	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MKL16Z128VLH4R Description: IC MCU 32BIT 128KB FLASH 64LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MKL16Z64VLH4R Description: IC MCU 32BIT 64KB FLASH 64LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MKL16Z64VLH4 Description: IC MCU 32BIT 64KB FLASH 64LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MKL16Z128VFT4 Description: IC MCU 32BIT 128KB FLASH 48QFN	Manufacturers: NXP Semiconductors / Freescale	RFQ
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