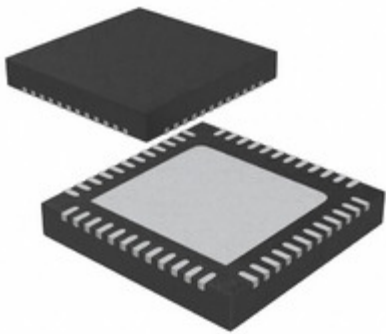


MKL16Z32VFT4R



Part Number: [MKL16Z32VFT4R](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: KINETIS KL16: 48MHZ CORTEX-M0+ U

Data sheet:  [MKL16Z32,64,128Vxx4](#)

RoHs Status:

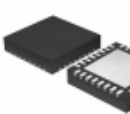
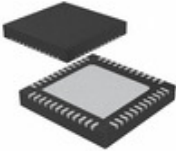
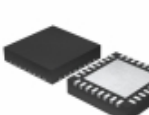
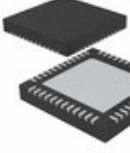
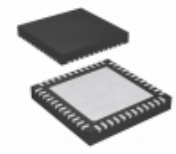
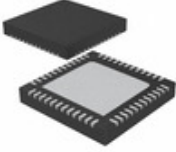
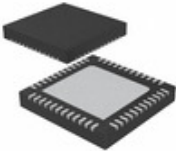
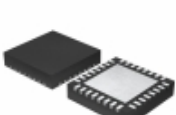
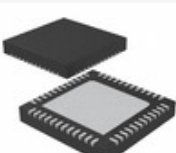
Ship From: Hong Kong

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

Images are for reference only.  
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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                |                                  |                                                |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|----------------------------------|------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                      | MKL16Z32VFT4R                                                                                  | Manufacturer                     | <a href="#">NXP Semiconductors / Freescale</a> |
| Description                                                                                                                                                                                                                                                                                                                                                                                      | KINETIS KL16: 48MHZ CORTEX-M0+ U                                                               | Lead Free Status / RoHS Status   |                                                |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                               | 60226 pcs                                                                                      | Data sheet                       | <a href="#">MKL16Z32,64,128Vxx4</a>            |
| Category                                                                                                                                                                                                                                                                                                                                                                                         | <a href="#">Integrated Circuits (ICs)</a>                                                      | 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 <sup>2</sup> S, LVD, POR, PWM, WDT                              | Packaging                        | Tape & Reel (TR)                               |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                   | 48-VFQFN Exposed Pad                                                                           | Other Names                      | 935318334528                                   |
| 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                                                                                       | 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 <sup>2</sup> C, LINbus, SPI, TSI, UART/USART                                                 |                                  |                                                |
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| RFQ Email: <a href="mailto:info@Components-World.com">info@Components-World.com</a>                                                                                                                                                                                                                                                                                                              |                                                                                                |                                  |                                                |

| RELATED PRODUCTS                                                                   |                                                                                        |                                                               |                |
|------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|---------------------------------------------------------------|----------------|
|  | Part#: <a href="#">MKL17Z128VFM4</a><br>Description: IC MCU 32BIT 128KB FLASH 32QFN    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MKL16Z64VFT4R</a><br>Description: KINETIS KL16: 48MHZ CORTEX-M0+ U  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MKL16Z128VLH4</a><br>Description: IC MCU 32BIT 128KB FLASH 64LQFP   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MKL16Z32VFM4</a><br>Description: IC MCU 32BIT 32KB FLASH 32QFN      | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MKL16Z256VMP4R</a><br>Description: KINETIS KL16: 48MHZ CORTEX-M0+ U | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MKL16Z128VFT4</a><br>Description: IC MCU 32BIT 128KB FLASH 48QFN    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MKL17Z128VFT4</a><br>Description: KINETIS KL17: 48MHZ CORTEX-M0+ U  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MKL16Z32VFT4</a><br>Description: IC MCU 32BIT 32KB FLASH 48QFN      | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MKL16Z256VLH4R</a><br>Description: KINETIS KL16: 48MHZ CORTEX-M0+ U | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MKL16Z64VFT4</a><br>Description: IC MCU 32BIT 64KB FLASH 48QFN      | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MKL16Z64VLH4R</a><br>Description: IC MCU 32BIT 64KB FLASH 64LQFP    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MKL16Z64VLH4</a><br>Description: IC MCU 32BIT 64KB FLASH 64LQFP     | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MKL16Z256VMP4</a><br>Description: IC MCU 32BIT 256KB FLASH 64BGA    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MKL16Z256VLH4</a><br>Description: IC MCU 32BIT 256KB FLASH 64LQFP   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MKL16Z64VFM4</a><br>Description: IC MCU 32BIT 64KB FLASH 32QFN      | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MKL16Z128VLH4R</a><br>Description: IC MCU 32BIT 128KB FLASH 64LQFP  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MKL17Z128VFM4R</a><br>Description: KINETIS KL17: 48MHZ CORTEX-M0+ U | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MKL16Z32VLH4</a><br>Description: IC MCU 32BIT 32KB FLASH 64LQFP     | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MKL16Z64VFM4R</a><br>Description: KINETIS KL16: 48MHZ CORTEX-M0+ U  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MKL16Z128VFT4R</a><br>Description: KINETIS KL16: 48MHZ CORTEX-M0+ U | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |

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