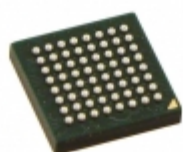


MKL17Z256VMP4R



Part Number: [MKL17Z256VMP4R](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: KINETIS KL17: 48MHZ CORTEX-M0+ U

Data sheet:  [MKL17Z128,256Vxx4, 256CAL4R](#)

RoHs Status:

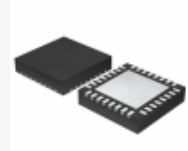
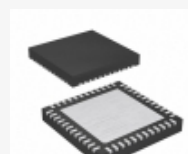
Ship From: Hong Kong

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Images are for reference only.  
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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                     |                                  |                                                |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|----------------------------------|------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                               | MKL17Z256VMP4R                                                                                      | Manufacturer                     | <a href="#">NXP Semiconductors / Freescale</a> |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                               | KINETIS KL17: 48MHZ CORTEX-M0+ U                                                                    | Lead Free Status / RoHS Status   |                                                |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                        | 31709 pcs                                                                                           | Data sheet                       | <a href="#">MKL17Z128,256Vxx4, 256CAL4R</a>    |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                  | <a href="#">Integrated Circuits (ICs)</a>                                                           | 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, I²S, LVD, POR, PWM, WDT                                                | Packaging                        | Tape & Reel (TR)                               |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                            | 64-LFBGA                                                                                            | Other Names                      | 935316113518                                   |
| 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                                                                                            | 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 20x16b, D/A 1x12b                          |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                                                 | 32-Bit                                                                                              | Core Processor                   | ARM® Cortex®-M0+                               |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                              | I²C, LINbus, SPI, UART/USART                                                                        |                                  |                                                |
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|  | Part#: <a href="#">MKL17Z32VFM4</a><br>Description: IC MCU 32BIT 32KB FLASH 32QFN      | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | RFQ |
|  | Part#: <a href="#">MKL17Z32VFM4R</a><br>Description: KINETIS KL17: 48MHZ CORTEX-M0+ U  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | RFQ |
|  | Part#: <a href="#">MKL17Z128VMP4</a><br>Description: IC MCU 32BIT 128KB FLASH 64BGA    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | RFQ |
|  | Part#: <a href="#">MKL17Z256VFM4</a><br>Description: IC MCU 32BIT 256KB FLASH 32QFN    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | RFQ |
|  | Part#: <a href="#">MKL17Z256VFT4R</a><br>Description: KINETIS KL17: 48MHZ CORTEX-M0+ U | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | RFQ |
|  | Part#: <a href="#">MKL17Z128VMP4R</a><br>Description: KINETIS KL17: 48MHZ CORTEX-M0+ U | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | RFQ |
|  | Part#: <a href="#">MKL17Z64VDA4</a><br>Description: IC MCU 32BIT 64KB FLASH 36XFBGA    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | RFQ |
|  | Part#: <a href="#">MKL17Z256CAL4R</a><br>Description: KINETIS KL17: 48MHZ CORTEX-M0+ U | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | RFQ |
|  | Part#: <a href="#">MKL17Z256VLH4R</a><br>Description: KINETIS KL17: 48MHZ CORTEX-M0+ U | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | RFQ |
|  | Part#: <a href="#">MKL17Z256VMP4</a><br>Description: IC MCU 32BIT 256KB FLASH 64BGA    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | RFQ |
|  | Part#: <a href="#">MKL17Z256VFT4</a><br>Description: IC MCU 32BIT 256KB FLASH 48QFN    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | RFQ |
|  | Part#: <a href="#">MKL17Z128VLH4R</a><br>Description: KINETIS KL17: 48MHZ CORTEX-M0+ U | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | RFQ |
|  | Part#: <a href="#">MKL17Z64VLH4</a><br>Description: IC MCU 32BIT 64KB FLASH 64LQFP     | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | RFQ |
|  | Part#: <a href="#">MKL17Z64VFM4</a><br>Description: IC MCU 32BIT 64KB FLASH 32QFN      | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | RFQ |
|  | Part#: <a href="#">MKL17Z256VLH4</a><br>Description: IC MCU 32BIT 256KB FLASH 64LQFP   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | RFQ |
|  | Part#: <a href="#">MKL17Z64VDA4R</a><br>Description: KINETIS KL17: 48MHZ CORTEX-M0+ U  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | RFQ |
|  | Part#: <a href="#">MKL17Z32VLH4</a><br>Description: IC MCU 32BIT 32KB FLASH 64LQFP     | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | RFQ |
|  | Part#: <a href="#">MKL17Z32VDA4</a><br>Description: KINETIS KL17: 48MHZ CORTEX-M0+ U   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | RFQ |
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