

MKL28Z512VLL7



Part Number: [MKL28Z512VLL7](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: IC MCU 32BIT 512KB FLASH 100LQFP

Data sheet:  [KL28Z Reference Manual](#)
 [MKL28Z512Vxx7](#)
 [KL2x MCU Family Fact Sheet](#)
 [MKL28Z512Vxx7 Errata](#)

RoHs Status: Lead free / RoHS Compliant

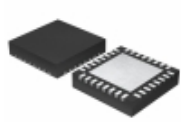
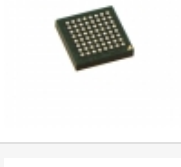
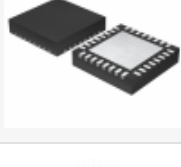
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PRODUCT PARAMETER			
Part Number	MKL28Z512VLL7	Manufacturer	NXP Semiconductors / Freescale
Description	IC MCU 32BIT 512KB FLASH 100LQFP	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	15040 pcs	Data sheet	KL28Z Reference Manual MKL28Z512Vxx7 KL2x MCU Family Fact Sheet MKL28Z512Vxx7 Errata
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	1.71 V ~ 3.6 V
Supplier Device Package	100-LQFP (14x14)	Speed	72MHz
Series	Kinetis KL2	RAM Size	128K x 8
Program Memory Type	FLASH	Program Memory Size	512KB (512K x 8)
Peripherals	DMA, I ² S, PWM, WDT	Packaging	Tray
Package / Case	100-LQFP	Other Names	935323725557
Oscillator Type	Internal	Operating Temperature	-40°C ~ 105°C (TA)
Number of I/O	82	Moisture Sensitivity Level (MSL)	3 (168 Hours)
Manufacturer Standard Lead Time	13 Weeks	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
EEPROM Size	-	Detailed Description	ARM® Cortex®-M0+ Kinetis KL2 Microcontroller IC 32-Bit 72MHz 512KB (512K x 8) FLASH 100-LQFP (14x14)
Data Converters	A/D 24x16b, D/A 1x12b	Core Size	32-Bit
Core Processor	ARM® Cortex®-M0+	Connectivity	I ² C, FlexIO, SPI, UART/USART, USB
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	Part#: MKL27Z32VDA4 Description: KINETIS L 32-BIT MCU ARM CORTEX	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MKL33Z256VMP4 Description: IC MCU 32BIT 256KB FLASH 64BGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MKL27Z64VLH4R Description: KINETIS L 32-BIT MCU ARM CORTEX	Manufacturers: NXP Semiconductors / Freescale	RFQ
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	Part#: MKL27Z64VDA4 Description: IC MCU 32BIT 64KB FLASH 36XFBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
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