

MKE16F512VLL16



Part Number: [MKE16F512VLL16](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: KINETIS KE16F: 160MHZ CORTEX-M4F

Data sheet:  [MKE1xF512VLx16, MKE1xF256VLx16](#)

RoHs Status:

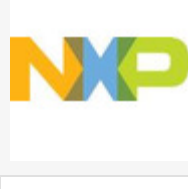
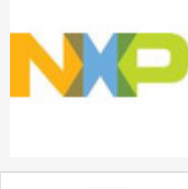
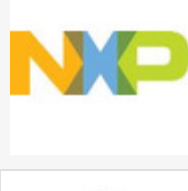
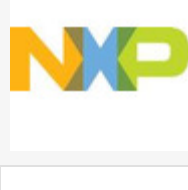
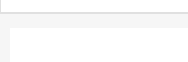
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Request For Quotation

PRODUCT PARAMETER			
Part Number	MKE16F512VLL16	Manufacturer	NXP Semiconductors / Freescale
Description	KINETIS KE16F: 160MHZ CORTEX-M4F	Lead Free Status / RoHS Status	
Quantity Available	14700 pcs	Data sheet	MKE1xF512VLx16, MKE1xF256VLx16
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	2.7 V ~ 5.5 V
Supplier Device Package	100-LQFP (14x14)	Speed	168MHz
Series	Kinetis KE1xF	RAM Size	64K x 8
Program Memory Type	FLASH	Program Memory Size	512KB (512K x 8)
Peripherals	DMA, LVD, PWM, WDT	Packaging	Tray
Package / Case	100-LQFP	Other Names	935326042557
Oscillator Type	Internal	Operating Temperature	-40°C ~ 105°C (TA)
Number of I/O	89	Moisture Sensitivity Level (MSL)	3 (168 Hours)
Manufacturer Standard Lead Time	13 Weeks	EEPROM Size	68K x 8
Detailed Description	ARM® Cortex®-M4F Kinetis KE1xF Microcontroller IC 32-Bit 168MHz 512KB (512K x 8) FLASH 100-LQFP (14x14)	Data Converters	A/D 16x12b, D/A 1x12b
Core Size	32-Bit	Core Processor	ARM® Cortex®-M4F
Connectivity	CANbus, FlexIO, I²C, SPI, UART/USART		
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	Part#: MKE18F256VLH16 Description: KINETIS KE18F: 160MHZ CORTEX-M4F	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MKE18F512VLH16 Description: IC MCU 32BIT 512KB FLASH 64LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MKE14Z256VLH7R Description: MT256P PHANTOM 64LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MKE38P600LB-TRR Description: MOSFET N-CH 600V 50A SMPD	Manufacturers: IXYS Corporation	RFQ
	Part#: MKE15Z128VLH7 Description: KINETIS KE1XZ256 MCUS	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MKE16F256VLL16 Description: KINETIS KE16F: 160MHZ CORTEX-M4F	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MKE16F256VLH16 Description: KINETIS KE16F: 160MHZ CORTEX-M4F	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MKE38P600LB Description: MOSFET N-CH 600V 50A SMPD	Manufacturers: IXYS Corporation	RFQ
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	Part#: MKE18F512VLL16 Description: IC MCU 32BIT 512KB FLASH 100LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MKE15Z128VLL7 Description: KINETIS KE15Z: 72MHZ CORTEX-M0	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MKE16F512VLH16 Description: KINETIS KE16F: 160MHZ CORTEX-M4F	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MKE14Z256VLL7 Description: KINETIS KE14Z: 72MHZ CORTEX-M0+	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MKE15Z256VLH7 Description: IC MCU 32BIT 256KB FLASH 64LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
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	Part#: MKE38RK600DFELB Description: MOSFET N-CH 600V 50A SMPD	Manufacturers: IXYS Corporation	RFQ
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