

MKV58F512VLL24



Part Number: [MKV58F512VLL24](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: KINETIS KV58: 220MHZ CORTEX-M7F

Data sheet:  [KV5x Family Product Brief](#)

RoHs Status:

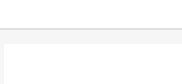
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PRODUCT PARAMETER			
Part Number	MKV58F512VLL24	Manufacturer	NXP Semiconductors / Freescale
Description	KINETIS KV58: 220MHZ CORTEX-M7F	Lead Free Status / RoHS Status	
Quantity Available	9901 pcs	Data sheet	KV5x Family Product Brief
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	1.71 V ~ 3.6 V
Supplier Device Package	100-LQFP (14x14)	Speed	240MHz
Series	Kinetis KV	RAM Size	128K x 8
Program Memory Type	FLASH	Program Memory Size	512KB (512K x 8)
Peripherals	DMA, LVD, POR, PWM, WDT	Packaging	Tray
Package / Case	100-LQFP	Other Names	935318798557
Oscillator Type	Internal	Operating Temperature	-40°C ~ 105°C (TA)
Number of I/O	74	Moisture Sensitivity Level (MSL)	3 (168 Hours)
Manufacturer Standard Lead Time	13 Weeks	EEPROM Size	-
Detailed Description	ARM® Cortex®-M7 Kinetis KV Microcontroller IC 32-Bit 240MHz 512KB (512K x 8) FLASH 100-LQFP (14x14)	Data Converters	A/D 4x12b, 1x16b, D/A 1x12b
Core Size	32-Bit	Core Processor	ARM® Cortex®-M7
Connectivity	CANbus, Ethernet, I²C, SPI, UART/USART		
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	Part#: MKV56F1MOVLL24 Description: KINETIS KV56: 220MHZ CORTEX-M7F	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MKV46F128VLL16 Description: IC MCU 32BIT 128KB FLASH 100LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MKV45F256VLL15 Description: IC MCU 32BIT 256KB FLASH 100LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MKV44F256VLH16 Description: IC MCU 32BIT 256KB FLASH 64LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MKV46F256VLL15 Description: IC MCU 32BIT 256KB FLASH 100LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MKV56F512VLL24 Description: KINETIS KV56: 220MHZ CORTEX-M7F	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MKV58F1MOVLL24 Description: IC MCU 32BIT 1MB FLASH 100LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
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	Part#: MKV46F128VLH16 Description: IC MCU 32BIT 128KB FLASH 64LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
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	Part#: MKV44F128VLH16 Description: IC MCU 32BIT 128KB FLASH 64LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
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