

MKV31F256VLH12



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Part Number: [MKV31F256VLH12](#)
Manufacturer: [NXP Semiconductors / Freescale](#)
Description: IC MCU 32BIT 256KB FLASH 64LQFP
Data sheet: [KV31F Family Manual](#)
[MKV31F256VL\(L,H\)12](#)

RoHS Status: Lead free / RoHS Compliant
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PRODUCT PARAMETER

Part Number	MKV31F256VLH12	Manufacturer	NXP Semiconductors / Freescale
Description	IC MCU 32BIT 256KB FLASH 64LQFP	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	20264 pcs	Data sheet	KV31F Family Manual MKV31F256VL(L,H)12
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	1.71 V ~ 3.6 V
Supplier Device Package	64-LQFP (10x10)	Speed	120MHz
Series	Kinetis KV	RAM Size	48K x 8
Program Memory Type	FLASH	Program Memory Size	256KB (256K x 8)
Peripherals	DMA, PWM, WDT	Packaging	Tray
Package / Case	64-LQFP	Other Names	935320338557
Oscillator Type	Internal	Operating Temperature	-40°C ~ 105°C (TA)
Number of I/O	46	Moisture Sensitivity Level (MSL)	3 (168 Hours)
Manufacturer Standard Lead Time	16 Weeks	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
EEPROM Size	-	Detailed Description	ARM® Cortex®-M4 Kinetis KV Microcontroller IC 32-Bit 120MHz 256KB (256K x 8) FLASH 64-LQFP (10x10)
Data Converters	A/D 2x16b, D/A 1x12b	Core Size	32-Bit
Core Processor	ARM® Cortex®-M4	Connectivity	I²C, SPI, UART/USART

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