

MK20FN1M0VLQ12R



Part Number: [MK20FN1M0VLQ12R](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: IC MCU 32BIT 1MB FLASH 144LQFP

Data sheet:  [Kinetis Mask Set 3N96B Errata](#)
 [K20_LQ/MD12 Datasheet](#)
 [K2x USB MCU Family Fact Sheet](#)
 [K20_LQ/MD12 Ref Manual](#)

RoHs Status: Lead free / RoHS Compliant

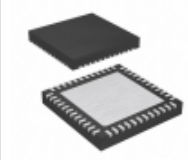
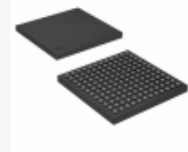
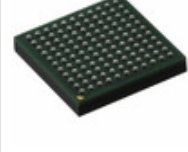
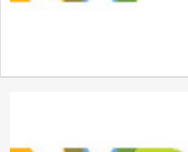
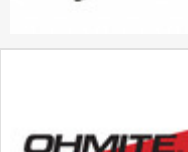
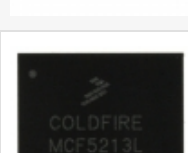
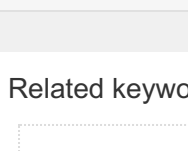
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PRODUCT PARAMETER			
Part Number	MK20FN1M0VLQ12R	Manufacturer	NXP Semiconductors / Freescale
Description	IC MCU 32BIT 1MB FLASH 144LQFP	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	10679 pcs	Data sheet	Kinetis Mask Set 3N96B Errata K20_LQ/MD12 Datasheet K2x USB MCU Family Fact Sheet B00eLQ/MD12 Ref Manual
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	1.71 V ~ 3.6 V
Supplier Device Package	144-LQFP (20x20)	Speed	120MHz
Series	Kinetis K20	RAM Size	128K x 8
Program Memory Type	FLASH	Program Memory Size	1MB (1M x 8)
Peripherals	DMA, I ² S, LVD, POR, PWM, WDT	Packaging	Tape & Reel (TR)
Package / Case	144-LQFP	Other Names	935321743528
Oscillator Type	Internal	Operating Temperature	-40°C ~ 105°C (TA)
Number of I/O	100	Moisture Sensitivity Level (MSL)	3 (168 Hours)
Lead Free Status / RoHS Status	Lead free / RoHS Compliant	EEPROM Size	-
Detailed Description	ARM® Cortex®-M4 Kinetis K20 Microcontroller IC 32-Bit 120MHz 1MB (1M x 8) FLASH 144-LQFP (20x20)	Data Converters	A/D 58x16b, D/A 2x12b
Core Size	32-Bit	Core Processor	ARM® Cortex®-M4
Connectivity	CANbus, EBI/EMI, I ² C, IrDA, SD, SPI, UART/USART, USB, USB OTG		
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	Part#: MK20FN1M0VLQ12 Description: IC MCU 32BIT 1MB FLASH 144LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
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	Part#: MK20FN1M0VMD12 Description: IC MCU 32BIT 1MB FLASH 144MAPBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ

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