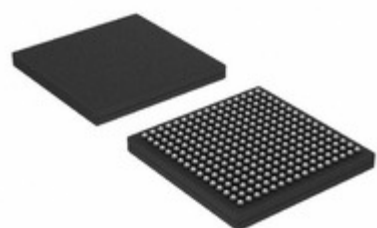


MK70FX512VMJ12



Images are for reference only.
See Product Specifications for product details.
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Part Number: [MK70FX512VMJ12](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: IC MCU 32BIT 512KB FLASH 256BGA

Data sheet:  [Kinetis Mask Set 3N96B Errata](#)
 [K70_MJ12 Datasheet](#)
 [K70_MJ12/15 Ref Manual](#)
 [K70 Family Brief](#)

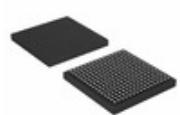
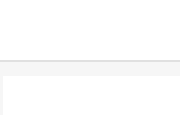
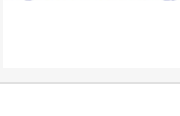
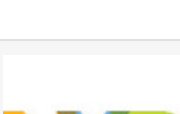
RoHs Status: Lead free / RoHS Compliant

Ship From: Hong Kong

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PRODUCT PARAMETER			
Part Number	MK70FX512VMJ12	Manufacturer	NXP Semiconductors / Freescale
Description	IC MCU 32BIT 512KB FLASH 256BGA	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	6098 pcs	Data sheet	Kinetis Mask Set 3N96B Errata K70_MJ12 Datasheet K70_MJ12/15 Ref Manual K70 Family Brief
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	1.71 V ~ 3.6 V
Supplier Device Package	256-MAPPBGA (17x17)	Speed	120MHz
Series	Kinetis K70	RAM Size	128K x 8
Program Memory Type	FLASH	Program Memory Size	512KB (512K x 8)
Peripherals	DMA, I ² S, LCD, LVD, POR, PWM, WDT	Packaging	Tray
Package / Case	256-LBGA	Other Names	935321719557
Oscillator Type	Internal	Operating Temperature	-40°C ~ 105°C (TA)
Number of I/O	128	Moisture Sensitivity Level (MSL)	3 (168 Hours)
Manufacturer Standard Lead Time	24 Weeks	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
EEPROM Size	16K x 8	Detailed Description	ARM® Cortex®-M4 Kinetis K70 Microcontroller IC 32-Bit 120MHz 512KB (512K x 8) FLASH 256-MAPPBGA (17x17)
Data Converters	A/D 71x16b. D/A 2x12b	Core Size	32-Bit
Core Processor	ARM® Cortex®-M4	Connectivity	CANbus, EBI/EMI, Ethernet, I ² C, IrDA, SD, SPI, UART/USART, USB, USB OTG
Base Part Number	MK70FX512		
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	Part#: MK712SLFTR Description: IC SCREEN CNTRL 12BIT 28SOIC	Manufacturers: IDT (Integrated Device Technology)	RFQ
	Part#: MK70FN1M0VMJ12 Description: IC MCU 32BIT 1MB FLASH 256MAPBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
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	Part#: MK712RTR Description: IC SCREEN CNTRL 12BIT 28QSOP	Manufacturers: IDT (Integrated Device Technology)	RFQ
	Part#: MK712RLFTR Description: IC SCREEN CNTRL 12BIT 28QSOP	Manufacturers: IDT (Integrated Device Technology)	RFQ
	Part#: MK712S Description: IC SCREEN CNTRL 12BIT 28SOIC	Manufacturers: IDT (Integrated Device Technology)	RFQ
	Part#: MK7-449 Description: REPLACEMENT BLADE FOR MARK 7	Manufacturers: HellermannTyton	RFQ
	Part#: MK712SILFTR Description: IC SCREEN CNTRL 12BIT 28SOIC	Manufacturers: IDT (Integrated Device Technology)	RFQ
	Part#: MK712SLF Description: IC SCREEN CNTRL 12BIT 28SOIC	Manufacturers: IDT (Integrated Device Technology)	RFQ
	Part#: MK7 Description: MARK 7 TENSION/CUT-OFF TOOL	Manufacturers: HellermannTyton	RFQ
	Part#: MK70FN1M0VMJ12R Description: KINETIS K70: 120MHZ CORTEX-M4F G	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MK712R Description: IC SCREEN CNTRL 12BIT 28QSOP	Manufacturers: IDT (Integrated Device Technology)	RFQ
	Part#: MK712RLF Description: IC SCREEN CNTRL 12BIT 28QSOP	Manufacturers: IDT (Integrated Device Technology)	RFQ
	Part#: MK74CB218BR Description: IC CLK BUFFER 1:8 200MHZ 28QSOP	Manufacturers: IDT (Integrated Device Technology)	RFQ
	Part#: MK70FN1M0VMJ15R Description: KINETIS K70: 150MHZ CORTEX-M4F G	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MK712SILF Description: IC SCREEN CNTRL 12BIT 28SOIC	Manufacturers: IDT (Integrated Device Technology)	RFQ
	Part#: MK70FX512VMJ15 Description: IC MCU 32BIT 512KB FLASH 256BGA	Manufacturers: NXP Semiconductors / Freescale	RFQ

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