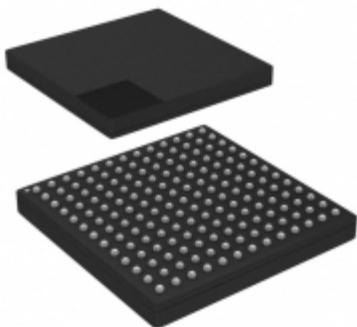


MK28FN2M0VMI15



Images are for reference only.
See Product Specifications for product details.
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Part Number: [MK28FN2M0VMI15](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: IC MCU 32BIT 2MB FLASH 169MAPBGA

Data sheet:  [MK28FN2M0VMI15, MK28FN2M0CAU15R](#)
 [K28F MCU Sub-Family Reference Manual](#)
 [Errata for Mask 2N96T](#)
 [K2x USB MCU Family Fact Sheet](#)
 [K Series MCUs Selector Guide](#)

RoHs Status: Lead free / RoHS Compliant

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PRODUCT PARAMETER			
Part Number	MK28FN2M0VMI15	Manufacturer	NXP Semiconductors / Freescale
Description	IC MCU 32BIT 2MB FLASH 169MAPBGA	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	5547 pcs	Data sheet	MK28FN2M0VMI15 MK28FN2M0CAU15Ry Reference Manual Errata for Mask 2N96T K2x USB MCU Family Fact Sheet K Series MCUs Selector Guide
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	1.71 V ~ 3.6 V
Supplier Device Package	169-MAPBGA (9x9)	Speed	150MHz
Series	Kinetis K28F	RAM Size	1M x 8
Program Memory Type	FLASH	Program Memory Size	2MB (2M x 8)
Peripherals	DMA, I ² S, PWM, WDT	Packaging	Tray
Package / Case	169-LFBGA	Other Names	568-13413 935341518557 MK28FN2M0VMI15-ND
Oscillator Type	Internal/External	Operating Temperature	-40°C ~ 105°C (TA)
Number of I/O	120	Moisture Sensitivity Level (MSL)	3 (168 Hours)
Lead Free Status / RoHS Status	Lead free / RoHS Compliant	EEPROM Size	-
Detailed Description	ARM® Cortex®-M4 Kinetis K28F Microcontroller IC 32-Bit 150MHz 2MB (2M x 8) FLASH 169-MAPBGA (9x9)	Data Converters	A/D 16b SAR, D/A 2x6b, 1x12b
Core Size	32-Bit	Core Processor	ARM® Cortex®-M4
Connectivity	EBI/EMI, I ² C, QSPI, SDHC, SPI, UART/USART, USB		
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	Part#: MK2KP AC120 Description: RELAY GEN PURPOSE DPDT 5A 120V	Manufacturers: Omron Automation & Safety	RFQ
	Part#: MK2803FE-R52 Description: RES 280K OHM 1/4W 1% AXIAL	Manufacturers: Ohmite	RFQ
	Part#: MK2KP AC12 Description: RELAY GEN PURPOSE DPDT 5A 12V	Manufacturers: Omron Automation & Safety	RFQ
	Part#: MK28FN2M0CAU15R Description: IC MCU 32BIT 2MB FLASH 210WLCSP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MK28-1B-500W Description: SENSOR REED SW SPST WIRE LEADS	Manufacturers: Standex-Meder Electronics	RFQ
	Part#: MK2KP DC24 Description: RELAY GEN PURPOSE DPDT 5A 24V	Manufacturers: Omron Automation & Safety	RFQ
	Part#: MK2KP-UA-AC120 Description: RELAY GEN PURPOSE DPDT 5A 120V	Manufacturers: Omron Automation & Safety	RFQ
	Part#: MK28-1A-500W Description: SENSOR REED SW SPST WIRE LEADS	Manufacturers: Standex-Meder Electronics	RFQ
	Part#: MK2KP-UA-AC220 Description: RELAY GEN PURPOSE DPDT 5A 220V	Manufacturers: Omron Automation & Safety	RFQ
	Part#: MK2801FE-R52 Description: RES 2.8K OHM 1/4W 1% AXIAL	Manufacturers: Ohmite	RFQ
	Part#: MK28-1C-500W Description: SENSOR REED SW SPDT WIRE LEADS	Manufacturers: Standex-Meder Electronics	RFQ
	Part#: MK28FN2M0ACAU15R Description: 150MHZ ARM CORTEX-M4F	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MK2KP-UA-AC24 Description: RELAY GEN PURPOSE DPDT 5A 24V	Manufacturers: Omron Automation & Safety	RFQ
	Part#: MK2KP AC24 Description: RELAY GEN PURPOSE DPDT 5A 24V	Manufacturers: Omron Automation & Safety	RFQ
	Part#: MK2KP DC6 Description: RELAY GENERAL PURPOSE DPDT 5A 6V	Manufacturers: Omron Automation & Safety	RFQ
	Part#: MK27FN2M0VMI15 Description: IC MCU 32BIT 2MB FLASH 169MAPBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MK2EP-UA AC120 Description: RELAY	Manufacturers: Omron Automation & Safety	RFQ
	Part#: MK2802FE-R52 Description: RES 28K OHM 1/4W 1% AXIAL	Manufacturers: Ohmite	RFQ
	Part#: MK2KP DC125 Description: RELAY GEN PURPOSE DPDT 5A 125V	Manufacturers: Omron Automation & Safety	RFQ
	Part#: MK28FN2M0AVMI15 Description: 150MHZ ARM CORTEX 1.3	Manufacturers: NXP Semiconductors / Freescale	RFQ

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