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See specifications for product details.



PIC32MX130F064B-I/ML

Manufacturer Part Number **PIC32MX130F064B-I/ML**

Manufacturer **Microchip Technology**

Allelco Part Number **32D-PIC32MX130F064B-I/ML**

ECAD Model [Request Free CAD Models](#)

Parts Description **IC MCU 32BIT 64KB FLASH 28QFN**

Package **28-VQFN Exposed Pad**

Data sheet **[Cylindrical Battery Holders.pdf](#)**

[PIC32MX1xx/2xx 28/36/44-PIN.pdf](#)

RoHs Status **ROHS3 Compliant**

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Specifications

PIC32MX130F064B-I/ML Tech Specifications

PIC32MX130F064B-I/ML - Microchip Technology technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Microchip Technology	Oscillator Type	Internal
Voltage - Supply (Vcc/Vdd)	2.3V ~ 3.6V	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package	28-QFN (6x6)	Number of I/O	21
Speed	40MHz	Mounting Type	Surface Mount
Series	PIC® 32MX	EEPROM Size	-
RAM Size	16K x 8	Data Converters	A/D 10x10b
Program Memory Type	FLASH	Core Size	32-Bit Single-Core
Program Memory Size	64KB (64K x 8)	Core Processor	MIPS32® M4K™
Peripherals	Brown-out Detect/Reset, DMA, I²S, POR, PWM, WDT	Connectivity	I²C, IrDA, LINbus, PMP, SPI, UART/USART
Package / Case	28-VQFN Exposed Pad	Base Product Number	PIC32MX130
Package	Tube		

Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology PIC32MX130F064B-I/ML

Product Attribute				
Part Number	PIC32MX130F064B-I/ML	PIC32MX130F064D-50I/PT	PIC32MX130F128L-50I/PT	PIC32MX110F016B-V/SO
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Program Memory Size	64KB (64K x 8)	64KB (64K x 8)	128KB (128K x 8)	16KB (16K x 8)
EEPROM Size	-	-	-	-
Package / Case	28-VQFN Exposed Pad	44-TQFP	100-TQFP	28-SOIC (0.295", 7.50mm Width)
Base Product Number	PIC32MX130	PIC32MX130	PIC32MX130	PIC32MX110
Voltage - Supply (Vcc/Vdd)	2.3V ~ 3.6V	2.3V ~ 3.6V	2.3V ~ 3.6V	2.3V ~ 3.6V
Oscillator Type	Internal	Internal	Internal	Internal
Core Size	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core
Core Processor	MIPS32® M4K™	MIPS32® M4K™	MIPS32® M4K™	MIPS32® M4K™
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 105°C (TA)
Peripherals	Brown-out Detect/Reset, DMA, I²S, POR, PWM, WDT	Brown-out Detect/Reset, DMA, I²S, POR, PWM, WDT	Brown-out Detect/Reset, DMA, I²S, POR, PWM, WDT	Brown-out Detect/Reset, DMA, I²S, POR, PWM, WDT
Data Converters	A/D 10x10b	A/D 13x10b	A/D 48x10b	A/D 10x10b
Package	Tube	Tray	Tray	Tube
Series	PIC® 32MX	PIC® 32MX	PIC® 32MX	Automotive, AEC-Q100, PIC® 32MX
Connectivity	I²C, IrDA, LINbus, PMP, SPI, UART/USART	I²C, IrDA, LINbus, PMP, SPI, UART/USART	I²C, IrDA, LINbus, PMP, SPI, UART/USART	I²C, IrDA, LINbus, PMP, SPI, UART/USART
Supplier Device Package	28-QFN (6x6)	44-TQFP (10x10)	100-TQFP (12x12)	28-SOIC
RAM Size	16K x 8	16K x 8	16K x 8	4K x 8
Speed	40MHz	50MHz	50MHz	40MHz
Number of I/O	21	35	85	21
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount

PIC32MX130F064B-I/ML Datasheet PDF


Download PIC32MX130F064B-I/ML pdf datasheets and Microchip Technology documentation for PIC32MX130F064B-I/ML - Microchip Technology.

Datasheets

Cylindrical Battery Holders.pdf

PCN Packaging

 Label and Packing Changes 23/Sep/2015.pdf

 Packing Changes 10/Oct/2016.pdf

PCN Assembly/Origin

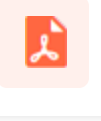
 2.73KHz.pdf

HTML Datasheet

 PIC32MX1xx/2xx 28/36/44-PIN.pdf


PCN Design/Specification


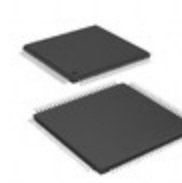





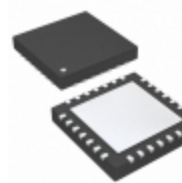
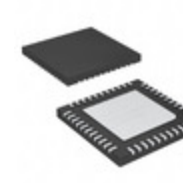
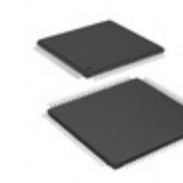
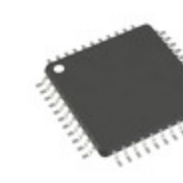
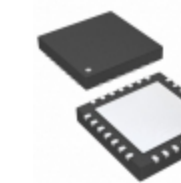




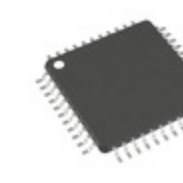
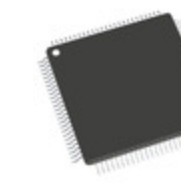
 PIC32MX1XX/2XX 01/Oct/2019.pdf

 PIC32MX1XX/2XX 03/May/2018.pdf

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 PIC32MX130F064D-50I/PT Microchip Technology IC MCU 32BIT 64KB FLASH 44TQFP	 PIC32MX130F128L-50I/PT Microchip Technology IC MCU 32BIT 128KB FLASH 100TQFP	 PIC32MX110F016B-V/SO Microchip Technology IC MCU 32BIT 16KB FLASH 28SOIC	 PIC32MX120F032B-I/SS Microchip Technology IC MCU 32BIT 32KB FLASH 28SSOP	 PIC32MX120F032DT-I/PT Microchip Technology IC MCU 32BIT 32KB FLASH 44TQFP	 PIC32MX110F016B-I/SS Microchip Technology IC MCU 32BIT 16KB FLASH 28SSOP
 PIC32MX130F064B-I/SS Microchip Technology IC MCU 32BIT 64KB FLASH 28SSOP	 PIC32MX130F064B-V/ML Microchip Technology IC MCU 32BIT 64KB FLASH 28QFN	 PIC32MX130F064D-I/ML Microchip Technology IC MCU 32BIT 64KB FLASH 44QFN	 PIC32MX130F128L-I/PT Microchip Technology IC MCU 32BIT 128KB FLASH 100TQFP	 PIC32MX130F064D-I/PT Microchip Technology IC MCU 32BIT 64KB FLASH 44TQFP	 PIC32MX120F032B-I/ML Microchip Technology IC MCU 32BIT 32KB FLASH 28QFN
 PIC32MX130F128H-I/PT Microchip Technology IC MCU 32BIT 128KB FLASH 64TQFP	 PIC32MX130F064B-I/SP Microchip Technology IC MCU 32BIT 64KB FLASH 28SPDIP	 PIC32MX120F032BT-I/SS Microchip Technology IC MCU 32BIT 32KB FLASH 28SSOP	 PIC32MX120F064H-I/PT Microchip Technology IC MCU 32BIT 64KB FLASH 64TQFP	 PIC32MX120F032D-I/PT Microchip Technology IC MCU 32BIT 32KB FLASH 44TQFP	 PIC32MX130F128L-I/PF Microchip Technology IC MCU 32BIT 128KB FLASH 100TQFP

Shipment

Delivery Time

In-stock items can be shipped within 24 hours. Some parts will be arranged for delivery within 1-2 days from the date all items arrive at our warehouse. And Allelco ships order once a day at about 17:00, except Sunday. Once the goods are shipped, the estimated delivery time depends on the shipping methods and Delivery destination. The table below shows are the logistic time for some common countries.

Delivery Cost

> Use your express account for shipment if you have one.

> Use our account for the shipment. Refer to the table below for the approximate charges.

(Different time frame / countries / package size has different price.)

Delivery Method

> Global Common Shipment by DHL / UPS / FedEx / TNT / EMS / SF we support.

> Others more shipping ways, please get in touch with your customer manager.

Common Countries Logistic Time Reference

Region	Country	Logistic Time(Day)
America	United States	5
	Brazil	7
Europe	Germany	5
	United Kingdom	4
	Italy	5
Oceania	Australia	6
	New Zealand	7
Asia	India	6
	Japan	7
Middle East	Israel	6

DHL & FedEx Shipment Charges Reference

Shipment charges(KG)	Reference DHL(USD\$)
0.00kg-1.00kg	USD\$60.00
1.00kg-2.00kg	USD\$70.00
2.00kg-3.00kg	USD\$80.00

Note: The above table is for reference only. There may have some data bias for the uncontrollable factors.

Contact us if you have any questions.


Payment Support


The payment method can be chosen from the methods shown below:


Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



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