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See specifications for product details.



PIC32MK1024GPK100-I/PT

Manufacturer Part Number	PIC32MK1024GPK100-I/PT
Manufacturer	Microchip Technology
Allelco Part Number	32D-PIC32MK1024GPK100-I/PT
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC MCU 32BIT 1MB FLASH 100TQFP
Package	100-TQFP
Data sheet	PIC32MK1024GPK100-I/PT.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

PIC32MK1024GPK100-I/PT - Microchip Technology.New Original in Stock. Download Linear Technology PIC32MK1024GPK100-I/PT datasheet/specifications on AllelcoElec.com.
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Specifications

PIC32MK1024GPK100-I/PT Tech Specifications
PIC32MK1024GPK100-I/PT - 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	100-TQFP (12x12)	Number of I/O	49
Speed	120MHz	Mounting Type	Surface Mount
Series	PIC® 32MK	EEPROM Size	4K x 8
RAM Size	256K x 8	Data Converters	A/D 42x12b; D/A 3x12b
Program Memory Type	FLASH	Core Size	32-Bit Single-Core
Program Memory Size	1MB (1M x 8)	Core Processor	MIPS32® microAptiv™
Peripherals	Brown-out Detect/Reset, DMA, I²S, POR, PWM, WDT	Connectivity	I²C, IrDA, LINbus, PMP, SPI, UART/USART, USB OTG
Package / Case	100-TQFP	Base Product Number	PIC32MK1024GPK100
Package	Tray		

Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology PIC32MK1024GPK100-I/PT

Product Attribute				
Part Number	PIC32MK1024GPK100-I/PT	PIC32MM0016GPL028-I/ML	PIC32MK1024GPD064-I/PT	PIC32MK1024MCF100-E/PT
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Peripherals	Brown-out Detect/Reset, DMA, I²S, POR, PWM, WDT	Brown-out Detect/Reset, HLVD, I²S, POR, PWM, WDT	Brown-out Detect/Reset, DMA, I²S, POR, WDT	Brown-out Detect/Reset, DMA, I²S, POR, Motor Control PWM, WDT
Series	PIC® 32MK	PIC® 32MM	PIC® 32MK	Automotive, AEC-Q100, PIC® 32MK
RAM Size	256K x 8	4K x 8	256K x 8	256K x 8
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Data Converters	A/D 42x12b; D/A 3x12b	A/D 12x10/12b; D/A 1x5b	A/D 26x12b	A/D 42x12b
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 125°C (TA)
EEPROM Size	4K x 8	-	4K x 8	4K x 8
Oscillator Type	Internal	Internal	Internal	Internal
Number of I/O	49	22	48	78
Core Size	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core
Package / Case	100-TQFP	28-VQFN Exposed Pad	64-TQFP	100-TQFP
Program Memory Size	1MB (1M x 8)	16KB (16K x 8)	1MB (1M x 8)	1MB (1M x 8)
Voltage - Supply (Vcc/Vdd)	2.3V ~ 3.6V	2V ~ 3.6V	2.2V ~ 3.6V	2.2V ~ 3.6V
Supplier Device Package	100-TQFP (12x12)	28-QFN (6x6)	64-TQFP (10x10)	100-TQFP (12x12)
Core Processor	MIPS32® microAptiv™	MIPS32® microAptiv™	MIPS32® microAptiv™	MIPS32® microAptiv™
Base Product Number	PIC32MK1024GPK100	PIC32MM0016GPL028	PIC32MK1024GPD064	PIC32MK1024MCF100
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Connectivity	I²C, IrDA, LINbus, PMP, SPI, UART/USART, USB OTG	IrDA, LINbus, SPI, UART/USART	IrDA, LINbus, PMP, SPI, UART/USART, USB OTG	CANbus, IrDA, LINbus, PMP, QEI, SPI, UART/USART, USB OTG
Package	Tray	Tube	Tray	Tray
Speed	120MHz	25MHz	120MHz	80MHz

PIC32MK1024GPK100-I/PT Datasheet PDF

Download PIC32MK1024GPK100-I/PT pdf datasheets and Microchip Technology documentation for PIC32MK1024GPK100-I/PT - Microchip Technology.

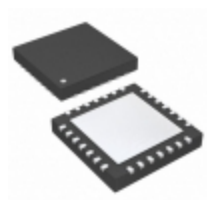
PCN Design/Specification

PIC32MK 25/Jan/2021.pdf

Errata

Customers Also Interested in

Recommended Products



PIC32MM0016GPL028-I/ML

Microchip Technology
IC MCU 32BIT 16KB FLASH 28QFN



PIC32MK1024GPD064-I/PT

Microchip Technology
IC MCU 32BIT 1MB FLASH 64TQFP



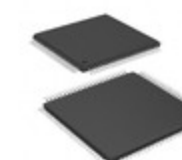
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Microchip Technology
IC MCU 32BIT 1MB FLASH 100TQFP



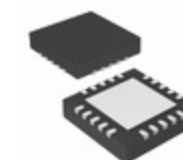
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Microchip Technology
IC MCU 32BIT 1MB FLASH 64TQFP



PIC32MK1024MCF100-I/PT

Microchip Technology
IC MCU 32BIT 1MB FLASH 100TQFP



PIC32MM0016GPL020-I/ML

Microchip Technology
IC MCU 32BIT 16KB FLASH 20QFN



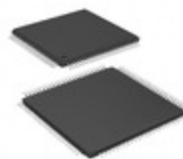
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IC MCU 32BIT 512KB FLASH 64TQFP



PIC32MK0512MCJ064T-E/PT

Microchip Technology
IC MCU 32BIT 512KB FLASH 64TQFP



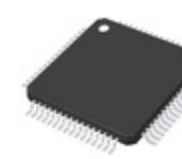
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Microchip Technology
IC MCU 32BIT 1MB FLASH 100TQFP



PIC32MK0512MCF064-I/PT

Microchip Technology
IC MCU 32BIT 512KB FLASH 64TQFP



PIC32MK1024MCF064-I/PT

Microchip Technology
IC MCU 32BIT 1MB FLASH 64TQFP



PIC32MK1024MCM064-I/PT

Microchip Technology
IC MCU 32BIT 1MB FLASH 64TQFP



PIC32MK0512MCJ064-I/PT

Microchip Technology
IC MCU 32BIT 512KB FLASH 64TQFP



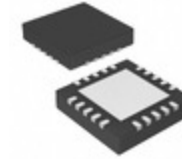
PIC32MK0512MCM064-E/PT

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IC MCU 32BIT 512KB FLASH 64TQFP



PIC32MK0512GPD064T-E/PT

Microchip Technology
IC MCU 32BIT 512KB FLASH 64TQFP



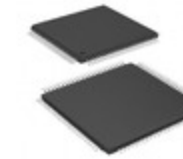
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IC MCU 32BIT 16KB FLASH 20QFN



PIC32MK1024MCF100-I/PT

Microchip Technology
IC MCU 32BIT 1MB FLASH 100TQFP



PIC32MK1024GPE100T-I/PT

Microchip Technology
IC MCU 32BIT 1MB 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.



Your Faithful Supply Chain Partner -



Efficient Supply Management



Cost-Saving Procurement



Fast Sourcing & Delivery

Contact us if you have any questions.



Phone

+00852 9146 4856



Email

info@allelco.com

Certifications & Memberships



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