



Image may be representation.  
See specifications for product details.



## PIC32MZ2048ECH100-I/PT

Manufacturer Part Number	<b>PIC32MZ2048ECH100-I/PT</b>
Manufacturer	<b>Microchip Technology</b>
Allelco Part Number	32D-PIC32MZ2048ECH100-I/PT
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC MCU 32BIT 2MB FLASH 100TQFP
Package	100-TQFP
Data sheet	<b>PIC32MZ EC Datasheet.pdf</b>
RoHs Status	ROHS3 Compliant

**Get a Quote**

PIC32MZ2048ECH100-I/PT - Microchip Technology. New Original in Stock. Download Linear Technology PIC32MZ2048ECH100-I/PT datasheet/specifications on AllelcoElec.com.  
Request a quote for PIC32MZ2048ECH100-I/PT, please send us email: [info@allelco.com](mailto:info@allelco.com)

## Specifications

PIC32MZ2048ECH100-I/PT Tech Specifications  
PIC32MZ2048ECH100-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	78
Speed	200MHz	Mounting Type	Surface Mount
Series	PIC® 32MZ	EEPROM Size	-
RAM Size	512K x 8	Data Converters	A/D 40x10b
Program Memory Type	FLASH	Core Size	32-Bit Single-Core
Program Memory Size	2MB (2M x 8)	Core Processor	MIPS32® microAptiv™
Peripherals	Brown-out Detect/Reset, DMA, I²S, POR, PWM, WDT	Connectivity	CANbus, EBI/EMI, Ethernet, I²C, SPI, SQI, UART/USART, USB OTG
Package / Case	100-TQFP	Base Product Number	PIC32MZ2048ECH100
Package	Tray		

## Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology PIC32MZ2048ECH100-I/PT

Product Attribute				
Part Number	PIC32MZ2048ECH100-I/PT	PIC32MZ2048ECM144-I/PH	PIC32MZ2048ECG144-I/PH	PIC32MZ2048ECH144-I/PH
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
EEPROM Size	-	-	-	-
Supplier Device Package	100-TQFP (12x12)	144-TQFP (16x16)	144-TQFP (16x16)	144-TQFP (16x16)
Package	Tray	Tray	Tray	Tray
Program Memory Size	2MB (2M x 8)	2MB (2M x 8)	2MB (2M x 8)	2MB (2M x 8)
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Base Product Number	PIC32MZ2048ECH100	PIC32MZ2048ECM144	PIC32MZ2048ECG144	PIC32MZ2048ECH144
Core Size	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core
Package / Case	100-TQFP	144-TQFP	144-TQFP	144-TQFP
Voltage - Supply (Vcc/Vdd)	2.3V ~ 3.6V	2.3V ~ 3.6V	2.3V ~ 3.6V	2.3V ~ 3.6V
Speed	200MHz	200MHz	200MHz	200MHz
RAM Size	512K x 8	512K x 8	512K x 8	512K x 8
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Series	PIC® 32MZ	PIC® 32MZ	PIC® 32MZ	PIC® 32MZ
Core Processor	MIPS32® microAptiv™	MIPS32® microAptiv™	MIPS32® microAptiv™	MIPS32® microAptiv™
Oscillator Type	Internal	Internal	Internal	Internal
Connectivity	CANbus, EBI/EMI, Ethernet, I²C, SPI, SQI, UART/USART, USB OTG	CANbus, EBI/EMI, Ethernet, I²C, SPI, SQI, UART/USART, USB OTG	EBI/EMI, Ethernet, I²C, SPI, SQI, UART/USART, USB OTG	CANbus, EBI/EMI, Ethernet, I²C, SPI, SQI, UART/USART, USB OTG
Number of I/O	78	120	120	120
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 40x10b	A/D 48x10b	A/D 48x10b	A/D 48x10b
Program Memory Type	FLASH	FLASH	FLASH	FLASH

## PIC32MZ2048ECH100-I/PT Datasheet PDF

Download PIC32MZ2048ECH100-I/PT pdf datasheets and Microchip Technology documentation for PIC32MZ2048ECH100-I/PT - Microchip Technology.

### Datasheets

[PIC32MZ EC Datasheet.pdf](#)

### PCN Packaging

[PIC32MZ2048ECH100-I/PT PCN Packaging](#)

PCN Assembly/Origin

Qualification Lead-Frame Paddle  
20/Oct/2014.pdf

Errata

PIC32MZ EC Errata.pdf

Customers Also Interested in

Recommended Products

					
<b>PIC32MZ2048ECM144-I/PH</b> Microchip Technology IC MCU 32BIT 2MB FLASH 144TQFP	<b>PIC32MZ2048ECG144-I/PH</b> Microchip Technology IC MCU 32BIT 2MB FLASH 144TQFP	<b>PIC32MZ2048ECH144-I/PH</b> Microchip Technology IC MCU 32BIT 2MB FLASH 144TQFP	<b>PIC32MZ1025DAA288-I/4J</b> Microchip Technology IC MCU 32BIT 1MB FLASH 288LFBGA	<b>PIC32MZ2048EFG100-I/PT</b> Microchip Technology IC MCU 32BIT 2MB FLASH 100TQFP	<b>PIC32MZ1024EFM144-I/PH</b> Microchip Technology IC MCU 32BIT 1MB FLASH 144TQFP
					
<b>PIC32MZ2048EFG100-E/PF</b> Microchip Technology IC MCU 32BIT 2MB FLASH 100TQFP	<b>PIC32MZ2048EFH064-I/PT</b> Microchip Technology IC MCU 32BIT 2MB FLASH 64TQFP	<b>PIC32MZ2048ECM144-I/PL</b> Microchip Technology IC MCU 32BIT 2MB FLASH 144LQFP	<b>PIC32MZ1025W104132-I/NX</b> Microchip Technology IC MCU 32BIT 1MB FLASH 132VFN	<b>PIC32MZ2048ECH100-I/PF</b> Microchip Technology IC MCU 32BIT 2MB FLASH 100TQFP	<b>PIC32MZ2048EFH100-I/PT</b> Microchip Technology IC MCU 32BIT 2MB FLASH 100TQFP
					
<b>PIC32MZ2048EFH064-250I/PT</b> Microchip Technology IC MCU 32BIT 2MB FLASH 64TQFP	<b>PIC32MZ2048ECG100-I/PT</b> Microchip Technology IC MCU 32BIT 2MB FLASH 100TQFP	<b>PIC32MZ2048ECG100-I/PF</b> Microchip Technology IC MCU 32BIT 2MB FLASH 100TQFP	<b>PIC32MZ2025DAB169-I/HF</b> Microchip Technology IC MCU 32BIT 2MB FLASH 169LFBGA	<b>PIC32MZ2048ECG064-I/PT</b> Microchip Technology IC MCU 32BIT 2MB FLASH 64TQFP	<b>PIC32MZ2048ECG144-I/PL</b> Microchip Technology IC MCU 32BIT 2MB FLASH 144LQFP

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



View More

