



Image may be representation.  
See specifications for product details.



## PIC32MX250F128BT-I/SS

Manufacturer Part Number **PIC32MX250F128BT-I/SS**

Manufacturer **Microchip Technology**

Allelco Part Number **32D-PIC32MX250F128BT-I/SS**

ECAD Model Request Free CAD Models

Parts Description **IC MCU 32BIT 128KB FLASH 28SSOP**

Package **28-SSOP (0.209", 5.30mm Width)**

Data sheet **Cylindrical Battery Holders.pdf**

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

RoHs Status **ROHS3 Compliant**

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PIC32MX250F128BT-I/SS - Microchip Technology.New Original in Stock. Download Linear Technology PIC32MX250F128BT-I/SS datasheet/specifications on AllelcoElec.com.

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## Specifications

PIC32MX250F128BT-I/SS Tech Specifications

PIC32MX250F128BT-I/SS - 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-SSOP	Number of I/O	19
Speed	40MHz	Mounting Type	Surface Mount
Series	PIC® 32MX	EEPROM Size	-
RAM Size	32K x 8	Data Converters	A/D 9x10b
Program Memory Type	FLASH	Core Size	32-Bit Single-Core
Program Memory Size	128KB (128K x 8)	Core Processor	MIPS32® M4K™
Peripherals	Brown-out Detect/Reset, DMA, I²S, POR, PWM, WDT	Connectivity	I²C, IrDA, LINbus, PMP, SPI, UART/USART, USB OTG
Package / Case	28-SSOP (0.209", 5.30mm Width)	Base Product Number	PIC32MX250
Package	Tape & Reel (TR)		

## Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology PIC32MX250F128BT-I/SS

Product Attribute				
Part Number	PIC32MX250F128BT-I/SS	PIC32MX250F128D-V/PT	PIC32MX250F128C-I/TL	PIC32MX250F128D-I/PT
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Series	PIC® 32MX	Automotive, AEC-Q100, PIC® 32MX	PIC® 32MX	PIC® 32MX
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
Supplier Device Package	28-SSOP	44-TQFP (10x10)	36-VTLA (5x5)	44-TQFP (10x10)
Core Processor	MIPS32® M4K™	MIPS32® M4K™	MIPS32® M4K™	MIPS32® M4K™
Package	Tape & Reel (TR)	Tray	Tube	Tray
RAM Size	32K x 8	32K x 8	32K x 8	32K x 8
Package / Case	28-SSOP (0.209", 5.30mm Width)	44-TQFP	36-VFTLA Exposed Pad	44-TQFP
Oscillator Type	Internal	Internal	Internal	Internal
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 105°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Base Product Number	PIC32MX250	PIC32MX250	PIC32MX250	PIC32MX250
Program Memory Size	128KB (128K x 8)	128KB (128K x 8)	128KB (128K x 8)	128KB (128K x 8)
Speed	40MHz	40MHz	40MHz	40MHz
Voltage - Supply (Vcc/Vdd)	2.3V ~ 3.6V	2.3V ~ 3.6V	2.3V ~ 3.6V	2.3V ~ 3.6V
Data Converters	A/D 9x10b	A/D 13x10b	A/D 12x10b	A/D 13x10b
EEPROM Size	-	-	-	-
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Number of I/O	19	33	23	33
Core Size	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core
Connectivity	I²C, IrDA, LINbus, PMP, SPI, UART/USART, USB OTG	I²C, IrDA, LINbus, PMP, SPI, UART/USART, USB OTG	I²C, IrDA, LINbus, PMP, SPI, UART/USART, USB OTG	I²C, IrDA, LINbus, PMP, SPI, UART/USART, USB OTG
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount

## PIC32MX250F128BT-I/SS Datasheet PDF


Download PIC32MX250F128BT-I/SS pdf datasheets and Microchip Technology documentation for PIC32MX250F128BT-I/SS - Microchip Technology.

### Datasheets

Cylindrical Battery Holders.pdf

### PCN Packaging

 Label and Packing Changes 23/Sep/2015.pdf

 Packing Changes 10/Oct/2016.pdf

## HTML Datasheet

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


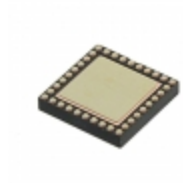
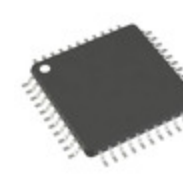
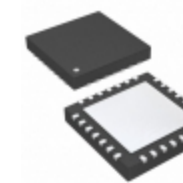
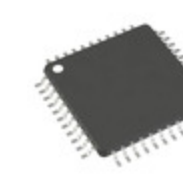
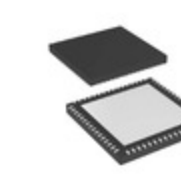
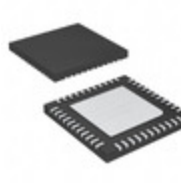
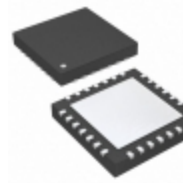

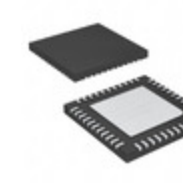

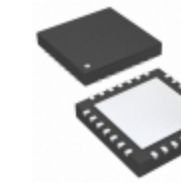



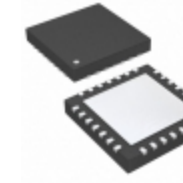


## PCN Design/Specification

 PIC32MX1XX/2XX 01/Oct/2019.pdf

 PIC32MX1XX/2XX 03/May/2018.pdf

## Customers Also Interested in

### Recommended Products

 <b>PIC32MX250F128D-V/PT</b> Microchip Technology IC MCU 32BIT 128KB FLASH 44TQFP	 <b>PIC32MX250F128C-I/TL</b> Microchip Technology IC MCU 32BIT 128KB FLASH 36VTLA	 <b>PIC32MX250F128D-I/PT</b> Microchip Technology IC MCU 32BIT 128KB FLASH 44TQFP	 <b>PIC32MX250F128B-50I/ML</b> Microchip Technology IC MCU 32BIT 128KB FLASH 28QFN	 <b>PIC32MX250F128D-50I/PT</b> Microchip Technology IC MCU 32BIT 128KB FLASH 44TQFP	 <b>PIC32MX250F256HT-50I/MR</b> Microchip Technology IC MCU 32BIT 256KB FLASH 64QFN
 <b>PIC32MX250F128D-V/ML</b> Microchip Technology IC MCU 32BIT 128KB FLASH 44QFN	 <b>PIC32MX250F128BT-50I/ML</b> Microchip Technology IC MCU 32BIT 128KB FLASH 28QFN	 <b>PIC32MX250F256H-I/PT</b> Microchip Technology IC MCU 32BIT 256KB FLASH 64TQFP	 <b>PIC32MX250F128D-I/ML</b> Microchip Technology IC MCU 32BIT 128KB FLASH 44QFN	 <b>PIC32MX250F256H-50I/PT</b> Microchip Technology IC MCU 32BIT 256KB FLASH 64TQFP	 <b>PIC32MX250F128B-I/ML</b> Microchip Technology IC MCU 32BIT 128KB FLASH 28QFN
 <b>PIC32MX250F128DT-I/PT</b> Microchip Technology IC MCU 32BIT 128KB FLASH 44TQFP	 <b>PIC32MX230F256D-I/PT</b> Microchip Technology IC MCU 32BIT 256KB FLASH 44TQFP	 <b>PIC32MX250F128B-50I/SS</b> Microchip Technology IC MCU 32BIT 128KB FLASH 28SSOP	 <b>PIC32MX250F128BT-I/ML</b> Microchip Technology IC MCU 32BIT 128KB FLASH 28QFN	 <b>PIC32MX250F128B-I/SP</b> Microchip Technology IC MCU 32BIT 128KB FLASH 28SPDIP	 <b>PIC32MX250F128B-50I/SP</b> Microchip Technology IC MCU 32BIT 128KB FLASH 28SPDIP

## 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

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.

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




## 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
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Contact us if you have any questions.

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