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See specifications for product details.



## DSPIC33CK128MP205-I/PT

Manufacturer Part Number **DSPIC33CK128MP205-I/PT**

Manufacturer **Microchip Technology**

Allelco Part Number **32D-DSPIC33CK128MP205-I/PT**

ECAD Model PCB Symbol, Footprint & 3D Model

Parts Description **IC MCU 16BIT 128KB FLASH 48TQFP**

Package **48-TQFP**

Data sheet [dsPIC33CK256MP508 Family Datasheet.pdf](#)

[dsPIC33CK256MP508 Family Programming Specification.pdf](#)

RoHs Status **ROHS3 Compliant**

**Get a Quote**

DSPIC33CK128MP205-I/PT - Microchip Technology. New Original in Stock. Download Linear Technology DSPIC33CK128MP205-I/PT datasheet/specifications on AllelcoElec.com.

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### Specifications

DSPIC33CK128MP205-I/PT Tech Specifications

DSPIC33CK128MP205-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)	3V ~ 3.6V	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package	48-TQFP (7x7)	Number of I/O	39
Speed	100MHz	Mounting Type	Surface Mount
Series	dsPIC™ 33CK, Functional Safety (FuSa)	EEPROM Size	-
RAM Size	16K x 8	Data Converters	A/D 19x12b; D/A 3x12b
Program Memory Type	FLASH	Core Size	16-Bit
Program Memory Size	128KB (128K x 8)	Core Processor	dsPIC
Peripherals	Brown-out Detect/Reset, DMA, Motor Control PWM, POR, PWM, QEI, WDT	Connectivity	I²C, IrDA, LINbus, SPI, UART/USART
Package / Case	48-TQFP	Base Product Number	DSPIC33CK128MP205
Package	Tray		

### Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology DSPIC33CK128MP205-I/PT

Product Attribute				
Part Number	DSPIC33CK128MP205-I/PT	DSPIC33CH64MP508-I/PT	DSPIC33CK128MP206-I/PT	DSPIC33CK256MP205-I/PT
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Number of I/O	39	69	53	39
Supplier Device Package	48-TQFP (7x7)	80-TQFP (12x12)	64-TQFP (10x10)	48-TQFP (7x7)
RAM Size	16K x 8	20K x 8	16K x 8	24K x 8
EEPROM Size	-	-	-	-
Base Product Number	DSPIC33CK128MP205	DSPIC33CH64MP508	DSPIC33CK128MP206	DSPIC33CK256MP205
Oscillator Type	Internal	Internal	Internal	Internal
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Connectivity	I²C, IrDA, LINbus, SPI, UART/USART	CANbus, I²C, IrDA, LINbus, SPI, UART/USART	I²C, IrDA, LINbus, SPI, UART/USART	I²C, IrDA, LINbus, SPI, UART/USART
Package	Tray	Tray	Tray	Tray
Core Processor	dsPIC	dsPIC	dsPIC	dsPIC
Program Memory Type	FLASH	FLASH, PRAM	FLASH	FLASH
Series	dsPIC™ 33CK, Functional Safety (FuSa)	dsPIC™ 33CH, Functional Safety (FuSa)	dsPIC™ 33CK, Functional Safety (FuSa)	dsPIC™ 33CK, Functional Safety (FuSa)
Speed	100MHz	180MHz, 200MHz	100MHz	100MHz
Package / Case	48-TQFP	80-TQFP	64-TQFP	48-TQFP
Program Memory Size	128KB (128K x 8)	88KB (88K x 8)	128KB (128K x 8)	256KB (256K x 8)
Data Converters	A/D 19x12b; D/A 3x12b	A/D 34x12b; D/A 4x12b	A/D 20x12b; D/A 3x12b	A/D 19x12b; D/A 3x12b
Peripherals	Brown-out Detect/Reset, DMA, Motor Control PWM, POR, PWM, QEI, WDT	Brown-out Detect/Reset, DMA, Motor Control PWM, POR, PWM, QEI, WDT	Brown-out Detect/Reset, DMA, Motor Control PWM, POR, PWM, QEI, WDT	Brown-out Detect/Reset, DMA, Motor Control PWM, POR, PWM, QEI, WDT
Voltage - Supply (Vcc/Vdd)	3V ~ 3.6V	3V ~ 3.6V	3V ~ 3.6V	3V ~ 3.6V
Core Size	16-Bit	16-Bit Dual-Core	16-Bit	16-Bit

### DSPIC33CK128MP205-I/PT Datasheet PDF

Download DSPIC33CK128MP205-I/PT pdf datasheets and Microchip Technology documentation for DSPIC33CK128MP205-I/PT - Microchip Technology.

#### Datasheets

[dsPIC33CK256MP508 Family Datasheet.pdf](#)

[dsPIC33CK256MP508 Family Programming Specification.pdf](#)

#### PCN Packaging

MBB/Label Chgs 16/Nov/2018.pdf

### PCN Assembly/Origin

DSPIC33C 20/Aug/2019.pdf


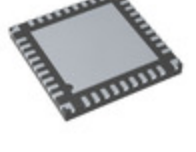





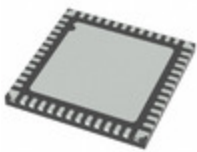



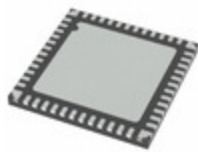
### PCN Design/Specification

dsPIC33CK256MP508 01/Jul/2022.pdf

dsPIC33CK256MP508 24/Oct/2019.pdf

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### Recommended Products

 <b>DSPIC33CH64MP508-I/PT</b> Microchip Technology IC MCU 16BIT 88KB FLASH 80TQFP	 <b>DSPIC33CK128MP206-I/PT</b> Microchip Technology IC MCU 16BIT 128KB FLASH 64TQFP	 <b>DSPIC33CK256MP205-I/PT</b> Microchip Technology IC MCU 16BIT 256KB FLASH 48TQFP	 <b>DSPIC33CK256MP505-E/PT</b> Microchip Technology IC MCU 16BIT 256KB FLASH 48TQFP	 <b>DSPIC33CH64MP503-I/M5</b> Microchip Technology IC MCU 16BIT 88KB FLASH 36UQFN	 <b>DSPIC33CK128MP505-E/PT</b> Microchip Technology IC MCU 16BIT 128KB FLASH 48TQFP
 <b>DSPIC33CK256MP505-I/PT</b> Microchip Technology IC MCU 16BIT 256KB FLASH 48TQFP	 <b>DSPIC33CH64MP505-I/PT</b> Microchip Technology IC MCU 16BIT 88KB FLASH 48TQFP	 <b>DSPIC33CK128MP506-E/PT</b> Microchip Technology IC MCU 16BIT 128KB FLASH 64TQFP	 <b>DSPIC33CH64MP505-E/PT</b> Microchip Technology IC MCU 16BIT 88KB FLASH 48TQFP	 <b>DSPIC33CH64MP503-E/M5</b> Microchip Technology IC MCU 16BIT 88KB FLASH 36UQFN	 <b>DSPIC33CH64MP508-E/PT</b> Microchip Technology IC MCU 16BIT 88KB FLASH 80TQFP
 <b>DSPIC33CH64MP505-E/M4</b> Microchip Technology IC MCU 16BIT 88KB FLASH 48UQFN	 <b>DSPIC33CK128MP502-I/SS</b> Microchip Technology IC MCU 16BIT 128KB FLASH 28SSOP	 <b>DSPIC33CK128MP505-I/PT</b> Microchip Technology IC MCU 16BIT 128KB FLASH 48TQFP	 <b>DSPIC33CK128MP206T-I/PT</b> Microchip Technology IC MCU 16BIT 128KB FLASH 64TQFP	 <b>DSPIC33CK128MP502-E/SS</b> Microchip Technology IC MCU 16BIT 128KB FLASH 28SSOP	 <b>DSPIC33CH64MP505-I/M4</b> Microchip Technology IC MCU 16BIT 88KB FLASH 48UQFN

## 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.

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



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