



Image may be representation.
See specifications for product details.



DSPIC33CK32MP105T-I/PT

Manufacturer Part Number	DSPIC33CK32MP105T-I/PT
Manufacturer	Microchip Technology
Allelco Part Number	32D-DSPIC33CK32MP105T-I/PT
ECAD Model	Request Free CAD Models
Parts Description	IC MCU 16BIT 32KB FLASH 48TQFP
Package	48-TQFP
Data sheet	dsPIC33CK64MP105 Family Datasheet.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

DSPIC33CK32MP105T-I/PT - Microchip Technology. New Original in Stock. Download Linear Technology DSPIC33CK32MP105T-I/PT datasheet/specifications on AllelcoElec.com.
Request a quote for DSPIC33CK32MP105T-I/PT, please send us email: info@allelco.com

Specifications

DSPIC33CK32MP105T-I/PT Tech Specifications
DSPIC33CK32MP105T-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	8K x 8	Data Converters	A/D 19x12b; D/A 3x12b
Program Memory Type	FLASH	Core Size	16-Bit
Program Memory Size	32KB (32K x 8)	Core Processor	dsPIC
Peripherals	Brown-out Detect/Reset, DMA, POR, PWM, QEI, Smart Card, WDT	Connectivity	I²C, IrDA, LINbus, SPI, UART/USART
Package / Case	48-TQFP	Base Product Number	DSPIC33CK32MP105
Package	Tape & Reel (TR)		

Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology DSPIC33CK32MP105T-I/PT

Product Attribute				
Part Number	DSPIC33CK32MP105T-I/PT	DSPIC33CK32MP102-E/M6	DSPIC33CK32MC105-E/PT	DSPIC33CK32MP102-I/SS
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Package / Case	48-TQFP	28-UFQFN Exposed Pad	48-TQFP	28-SSOP (0.209", 5.30mm Width)
Oscillator Type	Internal	Internal	Internal	Internal
Voltage - Supply (Vcc/Vdd)	3V ~ 3.6V	3V ~ 3.6V	3V ~ 3.6V	3V ~ 3.6V
Core Size	16-Bit	16-Bit	16-Bit	16-Bit
Data Converters	A/D 19x12b; D/A 3x12b	A/D 12x12b; D/A 3x12b	A/D 15x12b; D/A 1x12b	A/D 12x12b; D/A 3x12b
Base Product Number	DSPIC33CK32MP105	DSPIC33CK32MP102	DSPIC33CK32MC105	DSPIC33CK32MP102
RAM Size	8K x 8	8K x 8	8K x 8	8K x 8
EEPROM Size	-	-	-	-
Number of I/O	39	21	39	21
Core Processor	dsPIC	dsPIC	dsPIC	dsPIC
Peripherals	Brown-out Detect/Reset, DMA, POR, PWM, QEI, Smart Card, WDT	Brown-out Detect/Reset, DMA, Motor Control PWM, POR, PWM, QEI, WDT	Brown-out Detect/Reset, DMA, Motor Control PWM, POR, PWM, QEI, Smart Card, WDT	Brown-out Detect/Reset, DMA, POR, PWM, QEI, Smart Card, WDT
Supplier Device Package	48-TQFP (7x7)	28-UQFN (4x4)	48-TQFP (7x7)	28-SSOP
Program Memory Size	32KB (32K x 8)	32KB (32K x 8)	32KB (32K x 8)	32KB (32K x 8)
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Series	dsPIC™ 33CK, Functional Safety (FuSa)	Automotive, AEC-Q100, dsPIC™ 33CK, Functional Safety (FuSa)	Automotive, AEC-Q100, dsPIC™ 33CK, Functional Safety (FuSa)	dsPIC™ 33CK, Functional Safety (FuSa)
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 125°C (TA)	-40°C ~ 125°C (TA)	-40°C ~ 85°C (TA)
Package	Tape & Reel (TR)	Tube	Tray	Tube
Speed	100MHz	100MHz	100MHz	100MHz
Connectivity	I²C, IrDA, LINbus, SPI, UART/USART	I²C, IrDA, LINbus, SPI, UART/USART	I²C, IrDA, LINbus, SPI, UART/USART	I²C, IrDA, LINbus, SPI, UART/USART
Program Memory Type	FLASH	FLASH	FLASH	FLASH

DSPIC33CK32MP105T-I/PT Datasheet PDF

Download DSPIC33CK32MP105T-I/PT pdf datasheets and Microchip Technology documentation for DSPIC33CK32MP105T-I/PT - Microchip Technology.

Datasheets

dsPIC33CK64MP105 Family Datasheet.pdf



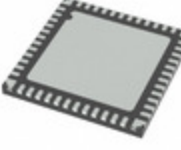
PCN Design/Specification

PCN Assembly/Origin

 DSPIC33C 20/Aug/2019.pdf

Customers Also Interested in

Recommended Products

 NO PICTURE					 NO PICTURE
DSPIC33CK32MC103T-E/M5 Microc	DSPIC33CK32MP102-E/M6 Microchip Technology IC MCU 16BIT 32KB FLASH 28UQFN	DSPIC33CK32MC105-E/PT Microchip Technology IC MCU 16BIT 32KB FLASH 48TQFP	DSPIC33CK32MP102-I/SS Microchip Technology IC MCU 16BIT 32KB FLASH 28SSOP	DSPIC33CK64MC102-E/M6 Microchip Technology IC MCU 16BIT 64KB FLASH 28UQFN	DSPIC33CK32MC103-E/M5VAO Microc
					
DSPIC33CK32MP105-I/PT Microchip Technology IC MCU 16BIT 32KB FLASH 48TQFP	DSPIC33CK32MC105-I/M4 Microchip Technology IC MCU 16BIT 32KB FLASH 48UQFN	DSPIC33CK32MP205-I/PT Microchip Technology IC MCU 16BIT 32KB FLASH 48TQFP	DSPIC33CK32MP506-I/MR Microchip Technology IC MCU 16BIT 32KB FLASH 64QFN	DSPIC33CK64MP105-E/PT Microchip Technology IC MCU 16BIT 64KB FLASH 48TQFP	DSPIC33CK64MP205-I/PT Microchip Technology IC MCU 16BIT 64KB FLASH 48TQFP
					
DSPIC33CK64MP202-I/SS Microchip Technology IC MCU 16BIT 64KB FLASH 28SSOP	DSPIC33CK32MP105-I/M4 Microchip Technology IC MCU 16BIT 32KB FLASH 48UQFN	DSPIC33CK64MP105-I/M4 Microchip Technology IC MCU 16BIT 64KB FLASH 48UQFN	DSPIC33CK64MC103-I/M5 Microchip Technology IC MCU 16BIT 64KB FLASH 36UQFN	DSPIC33CK64MP102-E/SS Microchip Technology IC MCU 16BIT 64KB FLASH 28SSOP	DSPIC33CK32MC103-E/M5 Microchip Technology IC MCU 16BIT 32KB FLASH 36UQFN

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
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Contact us if you have any questions.

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