



Image may be representation.  
See specifications for product details.



## DSPIC33FJ32GS406-I/PT

Manufacturer Part Number **DSPIC33FJ32GS406-I/PT**

Manufacturer **Microchip Technology**

Allelco Part Number **32D-DSPIC33FJ32GS406-I/PT**

ECAD Model PCB Symbol, Footprint & 3D Model

Parts Description **IC MCU 16BIT 32KB FLASH 64TQFP**

Package **64-TQFP**

Data sheet **Cylindrical Battery Holders.pdf**

**DSPIC33FJ(32,64)GS406/606/08/10 DataSheet.pdf**

RoHs Status **ROHS3 Compliant**

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## Specifications

DSPIC33FJ32GS406-I/PT Tech Specifications

DSPIC33FJ32GS406-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	64-TQFP (10x10)	Number of I/O	58
Speed	40 MIPS	Mounting Type	Surface Mount
Series	dsPIC™ 33F	EEPROM Size	-
RAM Size	4K x 8	Data Converters	A/D 16x10b
Program Memory Type	FLASH	Core Size	16-Bit
Program Memory Size	32KB (32K x 8)	Core Processor	dsPIC
Peripherals	Brown-out Detect/Reset, QEI, POR, PWM, WDT	Connectivity	I²C, IrDA, LINbus, SPI, UART/USART
Package / Case	64-TQFP	Base Product Number	DSPIC33FJ32GS406
Package	Tray		

## Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology DSPIC33FJ32GS406-I/PT

Product Attribute				
Part Number	DSPIC33FJ32GS406-I/PT	DSPIC33FJ32GP204-I/PT	DSPIC33FJ256MC710A-I/PT	DSPIC33FJ256MC710A-I/PF
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Speed	40 MIPS	40 MIPS	40 MIPS	40 MIPS
Peripherals	Brown-out Detect/Reset, QEI, POR, PWM, WDT	Brown-out Detect/Reset, DCI, DMA, I²S, POR, PWM, 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
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Series	dsPIC™ 33F	dsPIC™ 33F	dsPIC™ 33F	dsPIC™ 33F
Oscillator Type	Internal	Internal	Internal	Internal
EEPROM Size	-	-	-	-
Core Processor	dsPIC	dsPIC	dsPIC	dsPIC
RAM Size	4K x 8	2K x 8	30K x 8	30K x 8
Number of I/O	58	35	85	85
Program Memory Size	32KB (32K x 8)	32KB (32K x 8)	256KB (256K x 8)	256KB (256K x 8)
Supplier Device Package	64-TQFP (10x10)	44-TQFP (10x10)	100-TQFP (12x12)	100-TQFP (14x14)
Base Product Number	DSPIC33FJ32GS406	DSPIC33FJ32GP204	DSPIC33FJ256MC710	DSPIC33FJ256MC710
Package	Tray	Tray	Tray	Tray
Package / Case	64-TQFP	44-TQFP	100-TQFP	100-TQFP
Data Converters	A/D 16x10b	A/D 13x10b/12b	A/D 24x10/12b	A/D 24x10/12b
Core Size	16-Bit	16-Bit	16-Bit	16-Bit
Connectivity	I²C, IrDA, LINbus, SPI, UART/USART	I²C, IrDA, LINbus, SPI, UART/USART	CANbus, I²C, IrDA, LINbus, SPI, UART/USART	CANbus, I²C, IrDA, LINbus, SPI, UART/USART
Program Memory Type	FLASH	FLASH	FLASH	FLASH

## DSPIC33FJ32GS406-I/PT Datasheet PDF

Download DSPIC33FJ32GS406-I/PT pdf datasheets and Microchip Technology documentation for DSPIC33FJ32GS406-I/PT - Microchip Technology.

### Datasheets

DSPIC33FJ(32,64)GS406/606/08/10 DataSheet.pdf

### PCN Packaging

HTML Datasheet




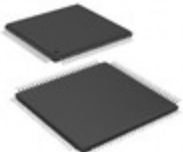

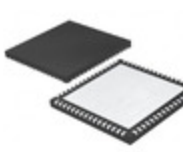
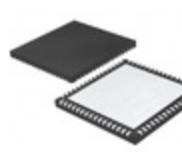
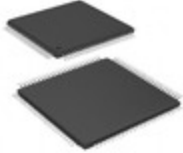


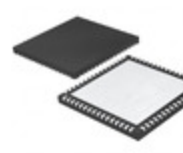

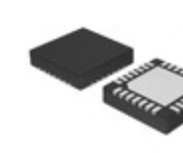








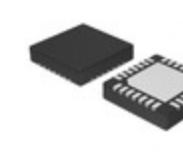

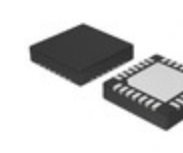
Cylindrical Battery Holders.pdf

PCN Assembly/Origin

Revision with Qualification Report 22/Aug/2014.pdf

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  <b>DSPIC33FJ32GP202T-E/MM</b> Micrel / Microchip Technology	 <b>DSPIC33FJ32GP204-I/PT</b> Microchip Technology IC MCU 16BIT 32KB FLASH 44TQFP	 <b>DSPIC33FJ256MC710A-I/PT</b> Microchip Technology IC MCU 16BIT 256KB FLASH 100TQFP	 <b>DSPIC33FJ256MC710A-I/PF</b> Microchip Technology IC MCU 16BIT 256KB FLASH 100TQFP	 <b>DSPIC33FJ32GS606-E/MR</b> Microchip Technology IC MCU 16BIT 32KB FLASH 64VQFN	 <b>DSPIC33FJ32GS606-I/MR</b> Microchip Technology IC MCU 16BIT 32KB FLASH 64VQFN
 <b>DSPIC33FJ32GS610-50I/PT</b> Microchip Technology IC MCU 16BIT 32KB FLASH 100TQFP	 <b>DSPIC33FJ32GS610-I/PF</b> Microchip Technology IC MCU 16BIT 32KB FLASH 100TQFP	 <b>DSPIC33FJ32GS606-50I/PT</b> Microchip Technology IC MCU 16BIT 32KB FLASH 64TQFP	 <b>DSPIC33FJ32GS606-50I/MR</b> Microchip Technology IC MCU 16BIT 32KB FLASH 64VQFN	 <b>DSPIC33FJ32GS606-E/PT</b> Microchip Technology IC MCU 16BIT 32KB FLASH 64TQFP	 <b>DSPIC33FJ32GP302T-I/MM</b> Microchip Technology IC MCU 16BIT 32KB FLASH 28QFN
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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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