

Image may be representation.  
See specifications for product details.



## DSPIC33FJ32GS606-I/MR

Manufacturer Part Number [DSPIC33FJ32GS606-I/MR](#)

Manufacturer [Microchip Technology](#)

Allelco Part Number 32D-DSPIC33FJ32GS606-I/MR

ECAD Model [Request Free CAD Models](#)

Parts Description IC MCU 16BIT 32KB FLASH 64VQFN

Package 64-VFQFN Exposed Pad

Data sheet [Cylindrical Battery Holders.pdf](#)

[DSPIC33FJ\(32,64\)GS406/606/08/10 DataSheet.pdf](#)

RoHs Status **ROHS3 Compliant**

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DSPIC33FJ32GS606-I/MR - Microchip Technology.New Original in Stock. Download Linear Technology DSPIC33FJ32GS606-I/MR datasheet/specifications on AllelcoElec.com.

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## Specifications

DSPIC33FJ32GS606-I/MR Tech Specifications

DSPIC33FJ32GS606-I/MR - 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-VQFN (9x9)	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; D/A 1x10b
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-VFQFN Exposed Pad	Base Product Number	DSPIC33FJ32GS606
Package	Tube		

## Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology DSPIC33FJ32GS606-I/MR

Product Attribute				
Part Number	DSPIC33FJ32GS606-I/MR	<a href="#">DSPIC33FJ32GP204-I/PT</a>	<a href="#">DSPIC33FJ32GP302-I/SO</a>	<a href="#">DSPIC33FJ32MC101-I/SO</a>
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
EEPROM Size	-	-	-	-
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Oscillator Type	Internal	Internal	Internal	Internal
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
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
Voltage - Supply (Vcc/Vdd)	3V ~ 3.6V	3V ~ 3.6V	3V ~ 3.6V	3V ~ 3.6V
Base Product Number	DSPIC33FJ32GS606	DSPIC33FJ32GP204	DSPIC33FJ32GP302	DSPIC33FJ32MC101
Data Converters	A/D 16x10b; D/A 1x10b	A/D 13x10b/12b	A/D 10x10b/12b	A/D 6x10b
Program Memory Size	32KB (32K x 8)	32KB (32K x 8)	32KB (32K x 8)	32KB (11K x 24)
Core Processor	dsPIC	dsPIC	dsPIC	dsPIC
Peripherals	Brown-out Detect/Reset, QEI, POR, PWM, WDT	Brown-out Detect/Reset, DCI, DMA, I²S, POR, PWM, WDT	Brown-out Detect/Reset, DCI, DMA, I²S, POR, PWM, WDT	Brown-out Detect/Reset, Motor Control PWM, POR, PWM, WDT
RAM Size	4K x 8	2K x 8	4K x 8	1K x 16
Supplier Device Package	64-VQFN (9x9)	44-TQFP (10x10)	28-SOIC	20-SOIC
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Number of I/O	58	35	21	15
Speed	40 MIPS	40 MIPS	40 MIPS	16 MIPS
Package	Tube	Tray	Tube	Tube
Package / Case	64-VFQFN Exposed Pad	44-TQFP	28-SOIC (0.295", 7.50mm Width)	20-SOIC (0.295", 7.50mm Width)
Core Size	16-Bit	16-Bit	16-Bit	16-Bit
Series	dsPIC™ 33F	dsPIC™ 33F	dsPIC™ 33F	dsPIC™ 33F

## DSPIC33FJ32GS606-I/MR Datasheet PDF

Download DSPIC33FJ32GS606-I/MR pdf datasheets and Microchip Technology documentation for DSPIC33FJ32GS606-I/MR - Microchip Technology.

### Datasheets

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

### PCN Packaging

Label and Packing Changes 23/Sep/2015.pdf

Packing Changes 10/Oct/2016.pdf

### HTML Datasheet

Cylindrical Battery Holders.pdf

### PCN Assembly/Origin






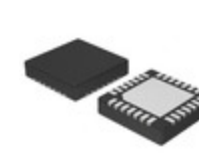



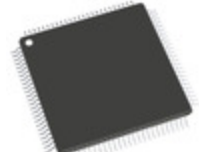

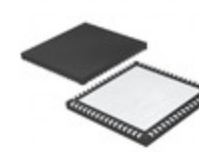
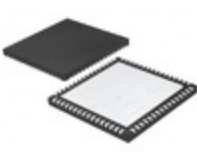





2.73KHz.pdf

### PCN Design/Specification

Errata/Datasheet Update 28/Jan/2015.pdf

## Customers Also Interested in

### Recommended Products

					
<b>DSPIC33FJ32GP204-I/PT</b>	<b>DSPIC33FJ32GP302-I/SO</b>	<b>DSPIC33FJ32MC101-I/SO</b>	<b>DSPIC33FJ32MC202-E/SO</b>	<b>DSPIC33FJ32GS610-50I/PT</b>	<b>DSPIC33FJ32MC202-E/MM</b>
Microchip Technology IC MCU 16BIT 32KB FLASH 44TQFP	Microchip Technology IC MCU 16BIT 32KB FLASH 28SOIC	Microchip Technology IC MCU 16BIT 32KB FLASH 20SOIC	Microchip Technology IC MCU 16BIT 32KB FLASH 28SOIC	Microchip Technology IC MCU 16BIT 32KB FLASH 100TQFP	Microchip Technology IC MCU 16BIT 32KB FLASH 28QFN
					
<b>DSPIC33FJ32GP202T-E/MM</b>	<b>DSPIC33FJ32GS406-50I/PT</b>	<b>DSPIC33FJ32MC104-I/PT</b>	<b>DSPIC33FJ32GS610-I/PF</b>	<b>DSPIC33FJ32GS606-50I/PT</b>	<b>DSPIC33FJ32GS606-50I/MR</b>
Micrel / Microchip Technology	Microchip Technology IC MCU 16BIT 32KB FLASH 64TQFP	Microchip Technology IC MCU 16BIT 32KB FLASH 44TQFP	Microchip Technology IC MCU 16BIT 32KB FLASH 100TQFP	Microchip Technology IC MCU 16BIT 32KB FLASH 64TQFP	Microchip Technology IC MCU 16BIT 32KB FLASH 64VQFN
					
<b>DSPIC33FJ32GS606-E/MR</b>	<b>DSPIC33FJ32GS606-I/PT</b>	<b>DSPIC33FJ32GP302T-I/MM</b>	<b>DSPIC33FJ32GS606-E/PT</b>	<b>DSPIC33FJ32GS406-I/PT</b>	<b>DSPIC33FJ32MC101-I/SS</b>
Microchip Technology IC MCU 16BIT 32KB FLASH 64VQFN	Microchip Technology IC MCU 16BIT 32KB FLASH 64TQFP	Microchip Technology IC MCU 16BIT 32KB FLASH 28QFN	Microchip Technology IC MCU 16BIT 32KB FLASH 64TQFP	Microchip Technology IC MCU 16BIT 32KB FLASH 64TQFP	Microchip Technology IC MCU 16BIT 32KB FLASH 20SSOP

## 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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### Certifications & Memberships



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