



Image may be representation.  
See specifications for product details.



## DSPIC33FJ64GS608-50I/PT

Manufacturer Part Number **DSPIC33FJ64GS608-50I/PT**

Manufacturer **Microchip Technology**

Allelco Part Number **32D-DSPIC33FJ64GS608-50I/PT**

ECAD Model [Request Free CAD Models](#)

Parts Description **IC MCU 16BIT 64KB FLASH 80TQFP**

Package **80-TQFP**

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

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

RoHs Status **ROHS3 Compliant**

**Get a Quote**

DSPIC33FJ64GS608-50I/PT - Microchip Technology. New Original in Stock. Download Linear Technology DSPIC33FJ64GS608-50I/PT datasheet/specifications on AllelcoElec.com.

Request a quote for DSPIC33FJ64GS608-50I/PT, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

DSPIC33FJ64GS608-50I/PT Tech Specifications

DSPIC33FJ64GS608-50I/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    | 80-TQFP (12x12)                                 | Number of I/O         | 74  |
| Speed                      | 50 MIPS   | Mounting Type         | Surface Mount   |
| Series                     | dsPIC™ 33F                                      | EEPROM Size           | -   |
| RAM Size                   | 9K x 8  | Data Converters       | A/D 18x10b; D/A 1x10b                                   |
| Program Memory Type        | FLASH   | Core Size             | 16-Bit  |
| Program Memory Size        | 64KB (64K x 8)                                  | Core Processor        | dsPIC   |
| Peripherals                | Brown-out Detect/Reset, DMA, QEI, POR, PWM, WDT | Connectivity          | CANbus, I <sup>2</sup> C, IrDA, LINbus, SPI, UART/USART |
| Package / Case             | 80-TQFP   | Base Product Number   | DSPIC33FJ64GS608  |
| Package                    | Tray  |                       |   |

### Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology DSPIC33FJ64GS608-50I/PT

| Product Attribute          |   |   |  |  |
|----------------------------|---|---|--|--|
| Part Number                | DSPIC33FJ64GS608-50I/PT                                 | <a href="#">DSPIC33FJ64GS606-I/MR</a>                   | <a href="#">DSPIC33FJ64MC506-I/PT</a>                              | <a href="#">DSPIC33FJ64MC204-E/ML</a>                              |
| Manufacturer               | Microchip Technology                                    | Microchip Technology                                    | Microchip Technology   | Microchip Technology   |
| Supplier Device Package    | 80-TQFP (12x12)   | 64-VQFN (9x9)   | 64-TQFP (10x10)  | 44-QFN (8x8)   |
| EEPROM Size                | -   | -   | -  | -  |
| Number of I/O              | 74  | 58  | 53   | 35   |
| Data Converters            | A/D 18x10b; D/A 1x10b                                   | A/D 16x10b; D/A 1x10b                                   | A/D 16x10b/12b   | A/D 9x10b/12b  |
| Mounting Type              | Surface Mount   | Surface Mount   | Surface Mount  | Surface Mount  |
| Package / Case             | 80-TQFP   | 64-VQFN Exposed Pad                                     | 64-TQFP  | 44-VQFN Exposed Pad  |
| RAM Size                   | 9K x 8  | 9K x 8  | 8K x 8   | 8K x 8   |
| Package                    | Tray  | Tube  | Tray   | Tube   |
| Series                     | dsPIC™ 33F  | dsPIC™ 33F  | dsPIC™ 33F   | Automotive, AEC-Q100, dsPIC™ 33F                                   |
| Program Memory Type        | FLASH   | FLASH   | FLASH  | FLASH  |
| 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   |
| Program Memory Size        | 64KB (64K x 8)  | 64KB (64K x 8)  | 64KB (64K x 8)   | 64KB (64K x 8)   |
| Peripherals                | Brown-out Detect/Reset, DMA, QEI, POR, PWM, WDT         | Brown-out Detect/Reset, DMA, QEI, 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 |
| Oscillator Type            | Internal  | Internal  | Internal   | Internal   |
| Connectivity               | CANbus, I <sup>2</sup> C, IrDA, LINbus, SPI, UART/USART | CANbus, I <sup>2</sup> C, IrDA, LINbus, SPI, UART/USART | CANbus, I <sup>2</sup> C, IrDA, LINbus, SPI, UART/USART            | I <sup>2</sup> C, IrDA, LINbus, SPI, UART/USART                    |
| Core Processor             | dsPIC   | dsPIC   | dsPIC  | dsPIC  |
| Speed                      | 50 MIPS   | 40 MIPS   | 40 MIPS  | 40 MIPS  |
| Base Product Number        | DSPIC33FJ64GS608  | DSPIC33FJ64GS606  | DSPIC33FJ64MC506   | DSPIC33FJ64MC204   |
| Operating Temperature      | -40°C ~ 85°C (TA)                                       | -40°C ~ 85°C (TA)                                       | -40°C ~ 85°C (TA)  | -40°C ~ 125°C (TA)   |

### DSPIC33FJ64GS608-50I/PT Datasheet PDF

Download DSPIC33FJ64GS608-50I/PT pdf datasheets and Microchip Technology documentation for DSPIC33FJ64GS608-50I/PT - Microchip Technology.

#### Datasheets

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

#### PCN Packaging

2.73KHz.pdf

### HTML Datasheet

Cylindrical Battery Holders.pdf

### PCN Assembly/Origin

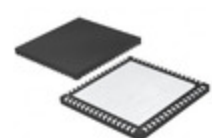
Qualification Lead-Frame Paddle  
20/Oct/2014.pdf

### PCN Design/Specification

Errata/Datasheet Update 28/Jan/2015.pdf

## Customers Also Interested in

### Recommended Products



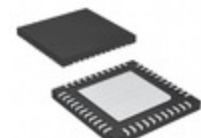
**DSPIC33FJ64GS606-I/MR**

Microchip Technology  
IC MCU 16BIT 64KB FLASH 64VQFN



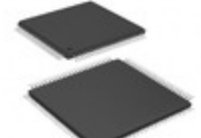
**DSPIC33FJ64MC506-I/PT**

Microchip Technology  
IC MCU 16BIT 64KB FLASH 64TQFP



**DSPIC33FJ64MC204-E/ML**

Microchip Technology  
IC MCU 16BIT 64KB FLASH 44QFN



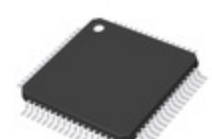
**DSPIC33FJ64GS610-I/PT**

Microchip Technology  
IC MCU 16BIT 64KB FLASH 100TQFP



**DSPIC33FJ64MC204-I/PT**

Microchip Technology  
IC MCU 16BIT 64KB FLASH 44TQFP



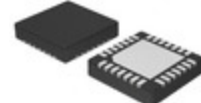
**DSPIC33FJ64GS606-E/PT**

Microchip Technology  
IC MCU 16BIT 64KB FLASH 64TQFP



**DSPIC33FJ64MC204T-E/PT**

Micrel / Microchip Technology



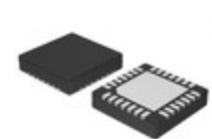
**DSPIC33FJ64MC202-I/MM**

Microchip Technology  
IC MCU 16BIT 64KB FLASH 28QFN



**DSPIC33FJ64GS608-I/PT**

Microchip Technology  
IC MCU 16BIT 64KB FLASH 80TQFP



**DSPIC33FJ64MC202T-I/MM**

Microchip Technology  
IC MCU 16BIT 64KB FLASH 28QFN



**DSPIC33FJ64GS606-I/PT**

Microchip Technology  
IC MCU 16BIT 64KB FLASH 64TQFP



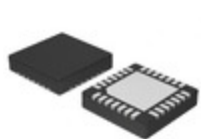
**DSPIC33FJ64GS606T-50I/PT**

Microchip Technology  
IC MCU 16BIT 64KB FLASH 64TQFP



**DSPIC33FJ64GS606T-I/PT**

Microchip Technology  
IC MCU 16BIT 64KB FLASH 64TQFP



**DSPIC33FJ64MC202-E/MM**

Microchip Technology  
IC MCU 16BIT 64KB FLASH 28QFN



**DSPIC33FJ64MC204T-I/PT**

Microchip Technology  
IC MCU 16BIT 64KB FLASH 44TQFP

## 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

Contact us if you have any questions.



Phone

+00852 9146 4856



Email

info@allelco.com

### Certifications & Memberships



View More

## Contact us

**Address:** Flat/Rm C 13/F Harvard Commercial Building 105-111 Thomson Road, Wan Chai, Hong Kong

**Phone:** +00852 9146 4856

**Fax:** +00852 3010 8510

**Email:** [info@Allelco.com](mailto:info@Allelco.com)

